Release 6A.03 Storage Management and Data Distribution Subsystem Database Design and Database Schema Specifications for the ECS Project

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Preface

This document describes the database design and database schema specifications for the Storage Management (STMGT) Subsystem. It is one of nine documents comprising the detailed database design and database schema specifications for the as-delivered ECS subsystems. A complete list of the eight documents follows:

311-CD-600-001 Release 6A.03 Data Management (DM) Subsystem Database Design and Database Schema Specifications for the ECS Project
311-CD-601-001 Release 6A.03 Ingest Subsystem (INS) Database Design and Database Schema Specifications for the ECS Project
311-CD-602-001 Release 6A.03 Interoperability Subsystem (IOS) Database Design and Database Schema Specifications for the ECS Project
311-CD-603-001 Release 6A.03 Planning and Data Processing Subsystem (PDPS) Database Design and Database Schema Specifications for the ECS Project
311-CD-604-001 Release 6A.03 Science Data Server (SDSRV) Subsystem Database Design and Database Schema Specifications for the ECS Project
311-CD-605-001 Release 6A.03 Storage Management (STMGT) Subsystem Database Design and Database Schema Specifications for the ECS Project
311-CD-606-001 Release 6A.03 Subscription Server (SUBSRV) Subsystem Database Design and Database Schema Specifications for the ECS Project
311-CD-607-001 Release 6A.03 Management Support Subsystem (MSS) Database Design and Database Schema Specifications for the ECS Project
311-CD-608-001 Release 6A.03 Registry Database Design and Database Schema Specifications for the ECS Project

This submittal meets the milestone specified in the Contract Data Requirements List (CDRL) of NASA Contract NAS5-60000. This document is a contract deliverable with an approval code 2. As such, it does not require formal Government acceptance. Contractor approved changes to this document are handled in accordance with change control requirements described in the ECS Project Configuration Management Plan. Changes to this document will be made by document change notice (DCN) or by complete revision.
Entity relationship diagrams (ERDs) presented in this document have been exported directly from software tools and in some cases contain too much detail to be easily readable within hard copy page constraints. The reader is encouraged to view these diagrams in portable document format (PDF) on the ECS Data Handling System (EDHS) world wide web (WWW) site. The universal resource locator (URL) is: http://edhs1.gsfc.nasa.gov.

Any questions should be addressed to:

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Upper Marlboro, Maryland 20774-5301
Abstract

This document outlines the Release 6A.03 "as-built" database design and database schema specifications for the combined Storage Management (STMGT) and Data Distribution (DDIST) Subsystems. It includes the entity-relationship diagram (ERD), physical database table definitions, and database software which includes listings of triggers and procedures. The ERD describes data entities and the association between these entities used within the STMGT Subsystem. Other information is also included to support database installation and life-cycle maintenance.

Keywords: data, database, design, specifications, configuration, installation, parameters, scripts, security, data model, replication, performance tuning, SQL server, Sybase, database security, triggers, procedures, scripts.
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Appendix A. Storage Management Entity Relationship Diagrams

Abbreviations and Acronyms
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1. Introduction

1.1 Identification

This Storage Management (STMG) Subsystem Database Design and Database Schema Specifications document, Contract Data Requirement List (CDRL) Item Number 050, whose requirements are specified in Data Item Description (DID) 311/DV2, is a required deliverable under the Earth Observing System (EOS) Data and Information System (EOSDIS) Core System (ECS), Contract NAS5-60000.

1.2 Scope

The STMG Subsystem Database Design and Database Schema Specifications document describes the database that supports data requirements for the STMG and DDIST Subsystems, Release 6A.03.

1.3 Purpose

The purpose of the STMG Subsystem Database Design and Database Schema Specifications document is to support the administrators of the combined STMG/DDIST Subsystem database throughout its life cycle. Also, this document communicates the database specifications in sufficient detail to support other ongoing installation and operational activities (e.g., configuration management, data administration, system installation and maintenance).

1.4 Audience

The STMG Subsystem Database Design and Database Schema Specifications document is intended to be used and maintained by ECS maintenance and operations staff. The document is organized as follows:

Section 1 provides information regarding the identification, scope, purpose and audience.

Section 2 provides a listing of related documents used to develop this document.

Section 3 contains a design overview of the database design including the entity relationship diagram (ERD) representing the physical data model, the database tables and columns, flat file usage and fields, triggers, and stored procedures.

Section 4 provides a description of performance and tuning features, i.e., indexes, caches for the STMG Subsystem database implementation.
Section 5 provides the database security high level description of the preliminary security infrastructure including listings of anticipated users, groups, and permissions expected for preliminary operational use.

Section 6 provides listings of the scripts used for database installation, de-installation, backup and recovery, and other miscellaneous administration functions.
2. Related Documents

2.1 Applicable Documents

The following documents, including Internet links, are referenced in this document, or are directly applicable, or contain policies or other directive matters that are binding upon the content of this volume.

305-CD-600  Release 6A Segment Design Specification for the ECS Project
920-TDG-009  DAAC Hardware Database Mapping/GSFC
920-TDN-009  DAAC Hardware Database Mapping/NSIDC
920-TDE-009  DAAC Hardware Database Mapping/EDC
920-TDL-009  DAAC Hardware Database Mapping/LARC
920-TDS-009  DAAC Hardware Database Mapping/SMC
920-TDG-010  DAAC Database Configuration/GSFC
920-TDN-010  DAAC Database Configuration/NSIDC
920-TDE-010  DAAC Database Configuration/EDC
920-TDL-010  DAAC Database Configuration/LARC
920-TDS-010  DAAC Database Configuration/SMC
920-TDG-011  DAAC Sybase Log Mapping/GSFC
920-TDN-011  DAAC Sybase Log Mapping/NSIDC
920-TDE-011  DAAC Sybase Log Mapping/EDC
920-TDL-011  DAAC Sybase Log Mapping/LARC
920-TDS-011  DAAC Sybase Log Mapping/SMC
922-TDG-013  Disk Partitions/GSFC
922-TDN-013  Disk Partitions/NSIDC
922-TDE-013  Disk Partitions/EDC
922-TDL-013  Disk Partitions/LARC
922-TDS-013  Disk Partitions/SMC
These documents are maintained as part of the ECS baseline and available on the world wide web at the URL: http://cmdm.east.hitc.com/baseline. Please Note that this is a partial mirror site in that some items are Not available (they are identified) since this is OPEN to all. This site may also be reached through the EDHS homepage. Scroll page to the connections line and click on the ECS Baseline Information System link.

### 2.2 Information Documents

The following documents, although not directly applicable, amplify or clarify the information presented in this document. These documents are not binding on this document.

- **313-CD-600** Release 6A Internal ICD for the ECS Project
- **609-CD-600** Release 6A Operations Tools Manual for the ECS Project
- **611-CD-600** Release 6A Mission Operation Procedures for the ECS Project

These documents are accessible via the EDHS homepage.

Advanced SQL Server Administration
3. Database Design

3.1 Design Overview

The combined STMGT/DDIST Subsystem database implements a majority of the persistent data requirements for the STMGT and DDIST Subsystems. Other data requirements, as used for system support, are implemented in flat files, see Section 3.2 for descriptions of these flat files. The database is designed to satisfy business rules while maintaining data integrity, consistency, and performance. Database tables are implemented using the Sybase Relational Database Management System (RDBMS) Version. All components of the combined STMGT/DDIST Subsystem database are described in the following sections; information is presented in sufficient detail to support operational needs.

3.1.1 Physical Data Model Entity Relationship Diagram

An entity relationship diagram (ERD) was developed for use as a "roadmap" to the combined STMGT/DDIST Subsystem database. An ERD is a schematic of the physical data structure that illustrates the dependencies and relationships between database entities, i.e., tables. On ERDs, database entities are represented by rectangles and arrows as shown by the key in Figure 3-1 represent relationships. Details on the syntax used by the Power Designor Data Architect Computer Aided Software Engineering (CASE) tool may be found in the Powersoft: Power Designor for PowerBuilder Reference Guide. The ERD presented in Appendix A for the STMGT Subsystem database was produced using the Power Designor tool.

The ECS Conceptual Model for the Science Data Processing Segment (SDPS) was developed using an Object Oriented (OO) CASE tool. However; since Sybase implements a RDBMS with an Object wrapper, the syntax (model Notation) is converted from OO to relational and the terminology changes-the "attribute" becomes "column" and "class" becomes "table." Since the specifications of some entities in this document are transferred from the OO Conceptual Model repository, there are many cases where the OO terminology is retained as, for example, in the table and column names and definitions.
### Sample Table

<table>
<thead>
<tr>
<th>Table Name</th>
<th>PK = Primary Key</th>
<th>FK = Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Column 1, PK</th>
<th>Column 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column 3</td>
<td></td>
</tr>
</tbody>
</table>

### Sample Relationship

**Independent Table**

Table A

- Column 1, PK
- Column 2

**Dependent Table**

Table B

- Column 1, PK
- Column 2, FK

*Table A has a one to many relationship with Table B*

#### Figure 3-1. ERD Key

### 3.1.2 Database Table Specifications

Table 3-1 contains a listing of all the database tables within the combined STMGT/DDIST Subsystem databases. This list is presented in alphabetical order corresponding to the database tables illustrated in the ERD (reference Figure 3-2). The database tables listed immediately following Table 3-1 is presented in the same order as the table.

<table>
<thead>
<tr>
<th>Table 3-1. Database Tables (1 of 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table Name</strong></td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>DsDdFile</td>
</tr>
<tr>
<td>DsDdGranule</td>
</tr>
<tr>
<td>DsDdParameterList</td>
</tr>
<tr>
<td>DsDdPriorityThread</td>
</tr>
<tr>
<td>DsDdRequest</td>
</tr>
<tr>
<td>DsDdServerGeneric</td>
</tr>
<tr>
<td>DsStArchiveFileRequest</td>
</tr>
<tr>
<td>DsStArchiveRequest</td>
</tr>
<tr>
<td>DsStArchiveServer</td>
</tr>
<tr>
<td>DsStBackup</td>
</tr>
<tr>
<td>Table Name</td>
</tr>
<tr>
<td>--------------------------------</td>
</tr>
<tr>
<td>DsStBackupHistory</td>
</tr>
<tr>
<td>DsStCache</td>
</tr>
<tr>
<td>DsStCacheFile</td>
</tr>
<tr>
<td>DsStCacheManagerRequest</td>
</tr>
<tr>
<td>DsStCancelledRequest</td>
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<tr>
<td>DsStCDROMServer</td>
</tr>
<tr>
<td>DsStCompressionStats</td>
</tr>
<tr>
<td>DsStConfigParameter</td>
</tr>
<tr>
<td>DsStDeleteLogCacheFile</td>
</tr>
<tr>
<td>DsStDependentRequest</td>
</tr>
<tr>
<td>DsStDevice</td>
</tr>
<tr>
<td>DsStErrorAttribute</td>
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<tr>
<td>DsStErrorText</td>
</tr>
<tr>
<td>DsStEventLog</td>
</tr>
<tr>
<td>DsStFile</td>
</tr>
<tr>
<td>DsStFileLien</td>
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<td>DsStFileLink</td>
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<tr>
<td>DsStFtpRequest</td>
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<td>DsStMedia</td>
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<tr>
<td>DsStMediaRequest</td>
</tr>
<tr>
<td>DsStMediaServer</td>
</tr>
<tr>
<td>DsStMediaServerContacted</td>
</tr>
<tr>
<td>DsStMediaSet</td>
</tr>
<tr>
<td>DsStNotification</td>
</tr>
<tr>
<td>DsStPendingDelete</td>
</tr>
<tr>
<td>DsStPendingReservations</td>
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<td>DsStPreconfiguredDevice</td>
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<td>DsStStagingDisk</td>
</tr>
</tbody>
</table>
The following report is produced by the Power Designor CASE tool and edited for format consistency. The report provides specifications on the STMGT Subsystem database tables. The report is sorted in alphabetical order by table name. Specifications include the table name, a brief description of the table, and the columns comprising the table. The column information includes the column name and the column attributes, i.e., type (format of the data stored within the database), primary key indicator(s), and a mandatory indicator for determining if the column must contain data when the row exists. In some cases the content of the column specification "Type" will reference a domain value (refer to Section 3.1.4 for more information on the domain values).

Table 3-2 holds the distribution files currently being maintained and processed by the EcDsDistributionServer. Table abbreviation is "F" to be used as standard naming convention for stored procedures.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archiveld</td>
<td>ARCHIVEID</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BackupId</td>
<td>BACKUPID</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CheckSum</td>
<td>CHECKSUM</td>
<td>checksum</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DistName</td>
<td>DISTNAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EstFileSize</td>
<td>ESTFILESIZE</td>
<td>sizedist</td>
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<td>sizedist</td>
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<td>No</td>
</tr>
<tr>
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<td>Yes</td>
</tr>
<tr>
<td>Offsiteld</td>
<td>OFFSITEID</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RequestId</td>
<td>REQUESTID</td>
<td>requestid</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
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<td>SOURCEPATH</td>
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<td>No</td>
</tr>
<tr>
<td>StageDiskSize</td>
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</tr>
</tbody>
</table>
Table 3-3 holds the distribution granules currently being maintained and processed by the EcDsDistributionServer. The table abbreviation is "G" to be used as standard naming convention for stored procedures.

<table>
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<th>Code</th>
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<th>M</th>
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</thead>
<tbody>
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<td>EsdtType</td>
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<td>esdttype</td>
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<td>No</td>
</tr>
<tr>
<td>EstGranuleSize</td>
<td>ESTGRANULESIZE</td>
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<td>No</td>
</tr>
<tr>
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<td>Yes</td>
</tr>
<tr>
<td>GranuleSize</td>
<td>GRANULESIZE</td>
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<td>No</td>
</tr>
<tr>
<td>NrGranFiles</td>
<td>NRGRANFILES</td>
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<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RequestId</td>
<td>REQUESTID</td>
<td>requestid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>StageDiskSize</td>
<td>STAGEDISKSIZE</td>
<td>sizedist</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-4 holds the GLParameter list for each request currently being maintained and processed by the EcDsDistributionServer. This data is provided from external metadata (MCF) by SDSRV. Request information is initiated here first. The table's abbreviation is "PL" to be used as standard naming convention for stored procedures.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>FtpHost</td>
<td>FTPHOST</td>
<td>Node</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FtpPassword</td>
<td>FTPPASSWORD</td>
<td>password</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FtpPullExp</td>
<td>FTPPULLEXP</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FtpPullHost</td>
<td>FTPPULLHOST</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FtpPushDest</td>
<td>FTPPUSHDEST</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FtpUser</td>
<td>FTPUSER</td>
<td>username</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaFormat</td>
<td>MEDIAMFORMAT</td>
<td>mediumtype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>MediaType</td>
<td>MEDIATYPE</td>
<td>mediumtype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Notify</td>
<td>NOTIFY</td>
<td>Notify</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NotifyType</td>
<td>NOTIFYTYPE</td>
<td>Notify</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RequestId</td>
<td>REQUESTID</td>
<td>requestid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Site</td>
<td>SITE</td>
<td>site</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>UserProfile</td>
<td>USERPROFILE</td>
<td>profile</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>UserString</td>
<td>USERSTRING</td>
<td>userstring</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-5 holds the threshold for the number of threads that can be active for each request. The table's abbreviation is "PT" to be used as standard naming convention for stored procedures.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ThreadLimit</td>
<td>THREADLIMIT</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ThreadName</td>
<td>THREADNAME</td>
<td>thread</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-6 holds the distribution requests currently being maintained and processed by the EcDsDistributionServer. This table's abbreviation is "R" to be used as standard naming convention for stored procedures.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>AuxState</td>
<td>AUXSTATE</td>
<td>varchar(255)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CallBackFunction</td>
<td>CALLBACKFUNCTION</td>
<td>nvarchar(50)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CurrDdistStageDisk</td>
<td>CURRDDISTSTAGEDISK</td>
<td>nvarchar(255)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcsUserId</td>
<td>ECSUSERID</td>
<td>username</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EndTime</td>
<td>ENDTIME</td>
<td>reqtime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EsdtType</td>
<td>ESDTTYPE</td>
<td>esdttype</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastSuccMediaNr</td>
<td>LASTSUCCMEDIANR</td>
<td>largecount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastSuccStageNr</td>
<td>LASTSUCCSTAGENR</td>
<td>largecount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaBlockSize</td>
<td>MEDIABLOCKSIZE</td>
<td>float</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaCapacity</td>
<td>MEDIACAPACITY</td>
<td>float</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NrGranules</td>
<td>NRGRANULES</td>
<td>largecount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NrMedia</td>
<td>NRMEDIA</td>
<td>largecount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NrReqFiles</td>
<td>NRREQFILES</td>
<td>largecount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OrderId</td>
<td>ORDERID</td>
<td>orderid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OrderedState</td>
<td>ORDEREDSTATE</td>
<td>state</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Priority</td>
<td>PRIORITY</td>
<td>priority</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RequestId</td>
<td>REQUESTID</td>
<td>requestid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SDSRVStageArea</td>
<td>SDSRVSTAGEAREA</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SizeInMB</td>
<td>SIZEINMB</td>
<td>float</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StartTime</td>
<td>STARTTIME</td>
<td>reqtime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>State</td>
<td>STATE</td>
<td>state</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Status</td>
<td>STATUS</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>WarmStartCounter</td>
<td>WARMSTARTCOUNTER</td>
<td>int</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-7 holds generic configuration settings for the EcDsDistributionServer.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>GenericName</td>
<td>GENERICNAME</td>
<td>genericname</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>GenericValue</td>
<td>GENERICVALUE</td>
<td>genericvalue</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-8 stores file level information associated with store and retrieve requests. Abbreviated table name "AFR" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>FileIndex</td>
<td>FILEINDEX</td>
<td>fileindex</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OriginalRPCId</td>
<td>ORIGINALRPCID</td>
<td>rpcid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-9 contains information for Archive specific Requests. Subsequently, when additional servers' requests are handled, the appropriate server's request table will be created. Abbreviated table name "AR" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CompressionType</td>
<td>CompressionType</td>
<td>compression</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CurrentFileIndex</td>
<td>CurrentFileIndex</td>
<td>fileindex</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>NumFiles</td>
<td>NumFiles</td>
<td>largecount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Archiveld</td>
<td>ARCHIVEID</td>
<td>backup</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BackupId</td>
<td>BACKUPID</td>
<td>backup</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Offsiteld</td>
<td>OFFSITE</td>
<td>offsite</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-10 contains the configuration parameters for archive server. Abbreviated table name "AS" for consistency of stored procedure naming.
Table 3-10. DsStArchiveServer

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsRetrieveCksumEnabled</td>
<td>ISRETRIEVECKSUMENABLED</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsStoreCksumEnabled</td>
<td>ISSTORECKSUMENABLED</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-11 looks to the outside world to backup to for Archive. Abbreviated table name "B" for consistency of stored procedure naming.

Table 3-11. DsStBackup

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archiveld</td>
<td>ARCHIVEID</td>
<td>Backup</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>BackupId</td>
<td>BACKUPID</td>
<td>Backup</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BackupTransferStage</td>
<td>BACKUPTRANSFERSTAGE</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BackupTransferStatus</td>
<td>BACKUPTRANSFERSTATUS</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CompressionType</td>
<td>COMPRESSIONTYPE</td>
<td>compression</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CreateDate</td>
<td>CREATEDATE</td>
<td>Datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EndDate</td>
<td>ENDDATE</td>
<td>Datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>File</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Offsiteld</td>
<td>OFFSITEID</td>
<td>offsite</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OffsiteTransferStage</td>
<td>OFFSITETRANSFERSTAGE</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OffsiteTransferStatus</td>
<td>OFFSITETRANSFERSTATUS</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OriginalFileName</td>
<td>ORIGINALFILENAME</td>
<td>File</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Priority</td>
<td>PRIORITY</td>
<td>priority</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StartDate</td>
<td>STARTDATE</td>
<td>Datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StillStoring</td>
<td>STILLSTORING</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-12 contains a historical record of all (Archive related) backup activity. Abbreviated table name "BH" for consistency of stored procedure naming.

Table 3-12. DsStBackupHistory (1 of 2)

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archiveld</td>
<td>ARCHIVEID</td>
<td>backup</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>BackupId</td>
<td>BACKUPID</td>
<td>backup</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BackupTransferStage</td>
<td>BACKUPTRANSFERSTAGE</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BackupTransferStatus</td>
<td>BACKUPTRANSFERSTATUS</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CompressionType</td>
<td>COMPRESSIONTYPE</td>
<td>compression</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
**Table 3-12. DsStBackupHistory (2 of 2)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateDate</td>
<td>CREATEDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DeleteDate</td>
<td>DELETEDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EndDate</td>
<td>ENDDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>OffsiteId</td>
<td>OFFSITEID</td>
<td>offsite</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OffsiteTransferStage</td>
<td>OFFSITETRANSFERSTAGE</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OffsiteTransferStatus</td>
<td>OFFSITETRANSFERSTATUS</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OriginalFileName</td>
<td>ORIGINALFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Priority</td>
<td>PRIORITY</td>
<td>priority</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StartDate</td>
<td>STARTDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StillStoring</td>
<td>STILLSTORING</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-13 contains configurable parameters for CDROM Server.

**Table 3-13. DsStCDROMServer**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>BufferNumber</td>
<td>BUFFERNUMBER</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BufferSize</td>
<td>BUFFERSIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Format</td>
<td>FORMAT</td>
<td>format</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RecorderSpeed</td>
<td>RECORDERSPEED</td>
<td>speed</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-14 identifies every instance of a cache related to Pull Monitor Cache Management. Abbreviated table name "C" for consistency of stored procedure naming.

**Table 3-14. DsStCache (1 of 2)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>integer</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>AvailableCacheSpace</td>
<td>AVAILABLECACHESPACE</td>
<td>cachespace</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>CacheBlockSize</td>
<td>CACHEBLOCKSIZE</td>
<td>blocksize</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ConfirmDelete</td>
<td>CONFIRMDELETE</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Description</td>
<td>DESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ExpirationThreshold</td>
<td>EXPIRATIONTHRESHOLD</td>
<td>size</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>HighWaterMark</td>
<td>HIGHWATERMARK</td>
<td>watermark</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LowWaterMark</td>
<td>LOWWATERMARK</td>
<td>watermark</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-14. DsStCache (2 of 2)

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ManagedDirectoryArea</td>
<td>MANAGEDDIRECTORYAREA</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RootPath</td>
<td>ROOTPATH</td>
<td>path</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalCacheSpace</td>
<td>TOTALCACHESPACE</td>
<td>cache</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-15 contains an entry for each file that the Storage Management is currently processing (pull-list). An entry is inserted into the entity for each file retrieved from the archive (AMASS). DsStFileLocation (pull-link) will track the individual cache locations of the file. Abbreviated table name “CF” for consistency of stored procedure naming.

Table 3-15. DsStCacheFile

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>AlwaysInCache</td>
<td>ALWAYSINCACHE</td>
<td>flag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>DeleteFlag</td>
<td>DELETEFLAG</td>
<td>flag</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>LastAccessed</td>
<td>LASTACCESSSED</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>State</td>
<td>STATE</td>
<td>cachestate</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>UncompressedFileSize</td>
<td>UNCOMPRESSEDFILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-16 contains requests to be serviced by the Cache Manager Server. Abbreviated table name “CMR” for consistency of stored procedure naming.

Table 3-16. DsStCacheManagerRequest (1 of 2)

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CheckSum</td>
<td>CHECKSUM</td>
<td>checksum</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CheckSumFlag</td>
<td>CHECKSUMFLAG</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CompressionType</td>
<td>COMPRESSIONTYPE</td>
<td>compression</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DirectoryName</td>
<td>DIRECTORYNAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ExternalRequestId</td>
<td>EXTERNALREQUESTID</td>
<td>requestid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NoWaitFlag</td>
<td>NOWAITFLAG</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RpcId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RestartMode</td>
<td>RESTARTMODE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-16. DsStCacheManagerRequest (2 of 2)

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>SIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceFileName</td>
<td>SOURCEFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceLocation</td>
<td>SOURCELOCATION</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceServerId</td>
<td>SOURCESERVERID</td>
<td>serverId</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TargetFileName</td>
<td>TARGETFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TargetPath</td>
<td>TARGETPATH</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Username</td>
<td>USERNAME</td>
<td>username</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-17 contains information on requests that have been cancelled. Abbreviated table name “CR” for consistency of stored procedure naming.

Table 3-17. DsStCancelledRequest

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ErrorCode</td>
<td>ERRORCODE</td>
<td>errorcode</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ProcessedFlag</td>
<td>PROCESSEDFLAG</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-18 Abbreviated table name “CS” for consistency of stored procedure naming.

Table 3-18. DsStCompressionStats

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CompressionFactor</td>
<td>COMPRESSIONFACTOR</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CompressionId</td>
<td>COMPRESSIONID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>CompressionMean</td>
<td>COMPRESSIONMEAN</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CompressionType</td>
<td>COMPRESSIONTYPE</td>
<td>compressiontype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Confidence80</td>
<td>CONFIDENCE80</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Confidence85</td>
<td>CONFIDENCE85</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Confidence90</td>
<td>CONFIDENCE90</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Confidence95</td>
<td>CONFIDENCE95</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Confidence99</td>
<td>CONFIDENCE99</td>
<td>&lt;None&gt;</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NumFiles</td>
<td>NUMFILES</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>VolumeGroupId</td>
<td>VOLUMEGROUPID</td>
<td>identityid</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-19 contains an entry for information necessary to initialize each DsStServerType supported by Storage Management. The data will consist of information currently available in the configuration files plus information as it pertains to the status and Node of each server. An entry is inserted for each parameter that a server uses. Abbreviated table name "CP" for consistency of stored procedure naming.
Table 3-19. DsStConfigParameter

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>FileIOBlockSize</td>
<td>FILEIOBLOCKSIZE</td>
<td>blocksize</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>HWCI</td>
<td>HWCI</td>
<td>hwci</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>HostName</td>
<td>HOSTNAME</td>
<td>host</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PortNumber</td>
<td>PORTNUMBER</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCSubTag</td>
<td>RPCSUBTAG</td>
<td>rpcsubtag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Retries</td>
<td>RETRIES</td>
<td>smallcount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerName</td>
<td>SERVERNAME</td>
<td>servername</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerType</td>
<td>SERVERTYPE</td>
<td>nvarchar(20)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Sleeptime</td>
<td>SLEEPTIME</td>
<td>smallint</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-20 contains an entry for each file that Storage Management deletes from its cache or the DsStCacheFile table. This entity is used for maintaining a history of file and cache usage for reporting and analysis purposes. An entry is inserted into the entity via a delete trigger on the DsStCacheFile table. Abbreviated table name "DL" for consistency of stored procedure naming.

Table 3-20. DsStDeleteLogCacheFile

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>AlwaysInCache</td>
<td>ALWAYSINCACHE</td>
<td>flag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>identityid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DeleteDate</td>
<td>DELETEDATE</td>
<td>datetime</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Expiration</td>
<td>EXPIRATION</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILENAME</td>
<td>file</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastAccessed</td>
<td>LASTACCESSSED</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>State</td>
<td>STATE</td>
<td>cachestate</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>UncompressedFileSize</td>
<td>UNCOMPRESSEDFILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-21 indicates requests whose presumption is predicated on the completion of active requests. Abbreviated table name "DR" for consistency of stored procedure naming.

Table 3-21. DsStDependentRequest

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActiveRPCId</td>
<td>ACTIVERPCID</td>
<td>rpcid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>DependReqId</td>
<td>DEPENDREQID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 3-22 contains an entry for each peripheral device that Storage Management uses to service requests to Ingest or Distribution data. A Server Type’s DsStConfigParameter record is associated with each piece of hardware for configuration parameters required to operate the Device/Resource. Abbreviated table name “D” for consistency of stored procedures naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ControllerId</td>
<td>CONTROLLERID</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CurrentOperation</td>
<td>CURRENTOPERATION</td>
<td>operation</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Description</td>
<td>DESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DeviceName</td>
<td>DEVICENAME</td>
<td>device</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>DriveNumber</td>
<td>DRIVENUMBER</td>
<td>drive</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ElementNo</td>
<td>ELEMENTNO</td>
<td>element</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsDriveAllocated</td>
<td>ISDRIVEALLOCATED</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsDriveOnline</td>
<td>ISDRIVEONLINE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsMedianInDrive</td>
<td>ISMEDIANINDRIVE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaId</td>
<td>MEDIAID</td>
<td>barcode</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Model</td>
<td>MODEL</td>
<td>model</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Node</td>
<td>NODE</td>
<td>Node</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OperationStatus</td>
<td>OPERATIONSTATUS</td>
<td>operation</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PathName</td>
<td>PATHNAME</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SCSIId</td>
<td>SCSIID</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>StackerId</td>
<td>STACKERID</td>
<td>resource</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-23 is required for all clients that wish to use the DsStErrorDetails class. Provides a mapping between character mnemonics and numeric error codes. It also defines the attributes for each error, providing adequate characterization for clients to infer appropriate retry/recovery procedures from the error attributes. Abbreviated table name “EA” for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ErrorCode</td>
<td>ERRORCODE</td>
<td>errorcode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Scope</td>
<td>SCOPE</td>
<td>scope</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Severity</td>
<td>SEVERITY</td>
<td>severity</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-24 provides text descriptions and suggested recovery actions for each error code; presents errors in a meaningful manner. Abbreviated table name "ET" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>DESCRIPTION</td>
<td>Description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ErrorCode</td>
<td>ERRORCODE</td>
<td>Errorcode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Mnemonic</td>
<td>MNEMONIC</td>
<td>mnemonic</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Suggestion</td>
<td>SUGGESTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-25 contains a history of STMGT Subsystem events and COTS errors encountered by Storage Management. The STMGT Subsystem software will insert records into the table using the DsStELInsert.sp stored procedure. The calling sequence is DsStELInsert @EventNumber= value,@ EventMessage= value,@ EventDate= value,@ EventType= value.

Events and errors included in the entity are: Errors received from AMASS, Sybase, and other COTS software; Checksum errors received during archive monitoring; Operator Notification levels for Cache Management; Device errors; Other errors generated by the Storage Management Software.

The Storage Management software will insert a new ERROR_LOG entry each time an event occurs or an error is encountered. The operator will have the ability to purge this entity periodically based on a date/time value.

Abbreviated table name "EL" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>EventDate</td>
<td>EVENTDATE</td>
<td>datetime</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>EventLevel</td>
<td>EVENTLEVEL</td>
<td>eventlevel</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EventLogId</td>
<td>EVENTLOGID</td>
<td>id</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>EventMessage</td>
<td>EVENTMESSAGE</td>
<td>description</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>EventNumber</td>
<td>EVENTNUMBER</td>
<td>errorcode</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EventType</td>
<td>EVENTTYPE</td>
<td>eventtype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>RPCID</td>
<td>RPCID</td>
<td>rpcid</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-26 contains an entry for each file that Storage Management is currently processing related to a DsStArchiveRequest entry. Abbreviated table name "F" for consistency of stored procedure naming.

**Table 3-26. DsStFile**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CheckPointState</td>
<td>CHECKPOINTSTATE</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Checksum</td>
<td>CHECKSUM</td>
<td>checksum</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DiskTag</td>
<td>DISKTAG</td>
<td>disktag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EventMessage</td>
<td>EVENTMESSAGE</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileIndex</td>
<td>FILEINDEX</td>
<td>fileindex</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FileLocation</td>
<td>FILELOCATION</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastArchiveVolumeGroup</td>
<td>LASTARCHIVEVOLUMEGROUP</td>
<td>identityid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastBackupVolumeGroup</td>
<td>LASTBACKUPVOLUMEGROUP</td>
<td>identityid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastOffsiteVolumeGroup</td>
<td>LASTOFFSITEVOLUMEGROUP</td>
<td>identityid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OriginalFileName</td>
<td>ORIGINALFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RetrievedFileSize</td>
<td>RETRIEVEDFILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Source</td>
<td>SOURCE</td>
<td>sourcesize</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourcePosition</td>
<td>SOURCEPOSITION</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>VolumeGroupSource</td>
<td>VOLUMEGROUPSOURCE</td>
<td>tablename</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-27 Notes the client’s expressed intent to link or copy files into cache. Abbreviated table name "F2" for consistency of stored procedure naming.

**Table 3-27. DsStFileLien**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cacheld</td>
<td>CACHEID</td>
<td>identityid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Expiration</td>
<td>EXPIRATION</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileLienId</td>
<td>FILELENIEND</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>LienHolder</td>
<td>LIENHOLDER</td>
<td>name</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 3-28 tracks links associated with files in cache and their associated expiration date. Abbreviated table name "FL" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>identityid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>DirectoryId</td>
<td>DIRECTORYID</td>
<td>identitylg</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Expiration</td>
<td>EXPIRATION</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>LinkName</td>
<td>LINKNAME</td>
<td>name</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Table 3-28. DsStFileLink**

Table 3-29 contains information for Ftp specific Requests. Subsequently, when additional servers' requests are handled, the appropriate server's request table will be created. Abbreviated table name "FR" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>DestinationPath</td>
<td>DESTINATIONPATH</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EncryptedPassword</td>
<td>ENCRYPTEDPASSWORD</td>
<td>password</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Expiration</td>
<td>EXPIRATION</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ExternalRequestld</td>
<td>EXTERNALREQUESTID</td>
<td>requestid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Host</td>
<td>HOST</td>
<td>host</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LoopIndex</td>
<td>LOOPINDEX</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PullHost</td>
<td>PULLHOST</td>
<td>host</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PullServerld</td>
<td>PULLSERVERID</td>
<td>serverid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RequestDirectoryId</td>
<td>REQUESTDIRECTORYID</td>
<td>identitylg</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourcePath</td>
<td>SOURCEPATH</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Username</td>
<td>USERNAME</td>
<td>username</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Table 3-29. DsStFtpRequest**

Table 3-30 contains the FTP Server Configuration Parameters. Abbreviated table name "F" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Datalist</td>
<td>DATALIST</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MaxRequestSize</td>
<td>MAXREQUESTSIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Serverld</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Table 3-30. DsStFtpServer**
Table 3-31 contains common information related to all Storage Management requests regardless of type. Abbreviated table name "GR" for consistency of stored procedure naming.

### Table 3-31. DsStGenericRequest

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CheckPointState</td>
<td>CHECKPOINTSTATE</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CreationTime</td>
<td>CREATIONTIME</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ErrorCode</td>
<td>ERRORCODE</td>
<td>errorcode</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>LastUpdated</td>
<td>LASTUPDATED</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Priority</td>
<td>PRIORITY</td>
<td>priority</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ProcessingState</td>
<td>PROCESSINGSTATE</td>
<td>process</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ProgressPartial</td>
<td>PROGRESSPARTIAL</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ProgressTotal</td>
<td>PROGRESSTOTAL</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ProgressUnits</td>
<td>PROGRESSUNITS</td>
<td>thread</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>ReqMgrNotified</td>
<td>REQMGRNOTIFIED</td>
<td>boolean</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Submitter</td>
<td>SUBMITTER</td>
<td>name</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ThreadId</td>
<td>THREADID</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TypeOperation</td>
<td>TYPEOPERATION</td>
<td>operation</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-32 maintains information regarding user request directory in the pullarea. Abbreviated table name “MCD” for consistency of stored procedure naming.

### Table 3-32. DsStManagedCacheDir

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>identityid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>DirectoryId</td>
<td>DIRECTORYID</td>
<td>identitylg</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>DirectoryName</td>
<td>DIRECTORYNAME</td>
<td>file</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Expiration</td>
<td>EXPIRATION</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OwnerName</td>
<td>OWNERNAME</td>
<td>name</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>UsedFlag</td>
<td>USEDFLAG</td>
<td>boolean</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 3-33 contains individual pieces of media and their associated status. Abbreviated table name "M" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CompletedLocation</td>
<td>COMPLETEDLOCATION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaCapacity</td>
<td>MEDIACAPACITY</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaId</td>
<td>MEDIAID</td>
<td>barcode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>MediaStatus</td>
<td>MEDIASTATUS</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaUse</td>
<td>MEDIAUSE</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerType</td>
<td>SERVERTYPE</td>
<td>servertype</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-34 tracks the requests associated with media operations. Abbreviated table name "MR" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeviceName</td>
<td>DEVICENAME</td>
<td>resource</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DistributionEstSize</td>
<td>DISTRIBUTIONESTSIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ExternalRequestid</td>
<td>EXTERNALREQUESTID</td>
<td>requestid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileList</td>
<td>FILELIST</td>
<td>tablename</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Format</td>
<td>FORMAT</td>
<td>format</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LastOperation</td>
<td>LASTOPERATION</td>
<td>operation</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaId</td>
<td>MEDIAID</td>
<td>barcode</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaStagingDisk</td>
<td>MEDIASTAGINGDISK</td>
<td>disktag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SlotId</td>
<td>SLOTID</td>
<td>slotid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceStagingDisk</td>
<td>SOURCESTAGINGDISK</td>
<td>disktag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerId</td>
<td>STACKERID</td>
<td>resource</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>WorkingDirectory</td>
<td>WORKINGDIRECTORY</td>
<td>source</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-35 contains configurable parameters for each media server. Abbreviated table name "MS" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>CAPACITY</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DefaultBlockSize</td>
<td>DEFAULTBLOCKFACTOR</td>
<td>defaultblockfactor</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaBlockSize</td>
<td>MEDIABLOCKSIZE</td>
<td>blocksize</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NetworkDistribution</td>
<td>NETWORKDISTRIBUTION</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NumColumns</td>
<td>NUMCOLUMNS</td>
<td>smallcount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NumRows</td>
<td>NUMROWS</td>
<td>smallcount</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PrintQue</td>
<td>PRINTQUE</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-36 correlates with media servers that have made an attempt to service a given request. Abbreviated table name "MSC" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ErrorCode</td>
<td>ERRORCODE</td>
<td>errorcode</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-37 contains the logical aggregation of media objects. Abbreviated table name "MS" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>MediaId</td>
<td>MEDIAID</td>
<td>barcode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>MediaSetId</td>
<td>MEDIASETID</td>
<td>name</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Tables 3-38 frequently conduct polls to check for user pulled files from the pullarea. Abbreviated table name "SN" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Datalist</td>
<td>DATALIST</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PollingFrequency</td>
<td>POLLINGFREQUENCY</td>
<td>time</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-39 is used for batch deletion of files from the archive. Abbreviated table name "PD" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreationTime</td>
<td>CREATIONTIME</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ErrorCode</td>
<td>ERRORCODE</td>
<td>errorcode</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>InsertTime</td>
<td>INSERTTIME</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Serverld</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Stage</td>
<td>STAGE</td>
<td>stage</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Status</td>
<td>STATUS</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>VersionedDataType</td>
<td>VERSIONEDDATATYPE</td>
<td>datatype</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>VolumeGroupId</td>
<td>VOLUMEGROUPID</td>
<td>identityid</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-40 Abbreviated table name "PR" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CacheId</td>
<td>CACHEID</td>
<td>identityid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OwnerName</td>
<td>OWNERNAME</td>
<td>name</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Pendingld</td>
<td>PENDINGID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-41 contains the list of standard configuration settings available from pulldown menu. Abbreviated table name "F" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ControllerId</td>
<td>CONTROLLERID</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CurrentOperation</td>
<td>CURRENTOPERATION</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Description</td>
<td>DESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DriveNumber</td>
<td>DRIVENUMBER</td>
<td>drivenumber</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ElementNo</td>
<td>ELEMENTNO</td>
<td>elementNo</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsDriveAllocated</td>
<td>ISDRIVEALLOCATED</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
### Table 3-41. DsStPreConfiguredDevice (2 of 2)

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsDriveOnline</td>
<td>ISDRIVEONLINE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsMediaInDrive</td>
<td>ISMEDIANDRIVE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Model</td>
<td>MODEL</td>
<td>model</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Node</td>
<td>NODE</td>
<td>Node</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OperationStatus</td>
<td>OPERATIONSTATUS</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PathName</td>
<td>PATHNAME</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SCSIId</td>
<td>SCSIID</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerType</td>
<td>SERVERTYPE</td>
<td>servertype</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-42 contains the list of standard stacker configuration settings available from Pulldown menu Abbreviated table name "PCS" for consistency of stored procedure naming.

### Table 3-42. DsStPreConfiguredStacker

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcode</td>
<td>BARCODE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Description</td>
<td>DESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ElementNo</td>
<td>ELEMENTNO</td>
<td>elementNo</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FixedSlot</td>
<td>FIXEDSLOT</td>
<td>slotnumber</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediumType</td>
<td>MEDIUMTYPE</td>
<td>mediumtype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OnlineDrives</td>
<td>ONLINEDRIVES</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OnlineSlots</td>
<td>ONLINESLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerType</td>
<td>SERVERTYPE</td>
<td>servertype</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerModel</td>
<td>STACKERMODEL</td>
<td>model</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>StackerNumber</td>
<td>STACKERNUMBER</td>
<td>stackernumber</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerPath</td>
<td>STACKERPATH</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerStatus</td>
<td>STACKERSTATUS</td>
<td>status</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalDrives</td>
<td>TOTALDRIVES</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalRoSlots</td>
<td>TOTALROSLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalRwSlots</td>
<td>TOTALRWSLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalSlots</td>
<td>TOTALSLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-43 holds the requests to print packing list for media distribution Abbreviated table name "F" for consistency of stored procedure naming.

### Table 3-43. DsStPrintRequest

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ExternalRequestId</td>
<td>EXTERNALREQUESTID</td>
<td>requestid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PrintFileName</td>
<td>PRINTFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PrintUser</td>
<td>PRINTUSER</td>
<td>username</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PrinterSource</td>
<td>PRINTERSOURCE</td>
<td>disktag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 3-44 maps media distribution requests to media used to fulfill requests. Abbreviated table name "RM" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateDate</td>
<td>CREATEDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaId</td>
<td>MEDIAID</td>
<td>barcode</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>MediaNumber</td>
<td>MEDIANUMBER</td>
<td>size</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>RequestId</td>
<td>REQUESTID</td>
<td>requestid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-45 provides. Abbreviated table name "SD" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>LockValue</td>
<td>LOCKVALUE</td>
<td>int</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-46 provides a description and type of server. Abbreviated table name "ST" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>DefaultRPCTag</td>
<td>DEFAULTRPCTAG</td>
<td>rpcsubtag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MaxReroutes</td>
<td>MAXREROUTES</td>
<td>length</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerDescription</td>
<td>SERVERDESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerType</td>
<td>SERVERTYPE</td>
<td>servertype</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-47 describes the disposition of server threads. Abbreviated table name "STC" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>HighThreads</td>
<td>HIGHTHREADS</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>LowThreads</td>
<td>LOWTHREADS</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NormalThreads</td>
<td>NORMALTHREADS</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NumThreads</td>
<td>NUMTHREADS</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>PoolType</td>
<td>POOLTYPE</td>
<td>pooltype</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>VHighThreads</td>
<td>VHIGHTHREADS</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>XpressThreads</td>
<td>XPRESSTHREADS</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Table 3-48 contains a record of every individual slot and its status currently accessible for managing Storage Management requests. Abbreviated table name “SL” for consistency of stored procedure naming.

### Table 3-48. DsStSlot

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ElementNo</td>
<td>ELEMENTNO</td>
<td>elementNo</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsMediaInSlot</td>
<td>ISMEDIAINSLOT</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsSlotAllocated</td>
<td>ISSLOTALLOCATED</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsSlotOnline</td>
<td>ISSLOTONLINE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediaId</td>
<td>MEDIAID</td>
<td>barcode</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SlotId</td>
<td>SLOTID</td>
<td>slotid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SlotNumber</td>
<td>SLOTNUMBER</td>
<td>slotnumber</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>StackerId</td>
<td>STACKERID</td>
<td>resource</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-49 contains information on stackers. A DsStDevice record may exist in Stacker form (containing more than one device/drive). It is necessary to track which devices are controlled by which stacker to adequately support the reservation requirements. Reserving a stacker automatically reserves the associated devices controlled by that stacker. Related to 4MM and 8MM Tape (Device) drives. Abbreviated table name “SK” for consistency of stored procedure naming.

### Table 3-49. DsStStacker

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcode</td>
<td>BARCODE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Description</td>
<td>DESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ElementNo</td>
<td>ELEMENTNO</td>
<td>elementNo</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FixedSlot</td>
<td>FIXEDSLOT</td>
<td>slotnumber</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IsStackerOnline</td>
<td>ISSTACKERONLINE</td>
<td>boolean</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MediumType</td>
<td>MEDIUMTYPE</td>
<td>mediumtype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OnlineDrives</td>
<td>ONLINE Drives</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OnlineSlots</td>
<td>ONLINESLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerId</td>
<td>STACKERID</td>
<td>resource</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>StackerModel</td>
<td>STACKERMODEL</td>
<td>model</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerNumber</td>
<td>STACKERNUMBER</td>
<td>stackernumber</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>StackerPath</td>
<td>STACKERPATH</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TotalDrives</td>
<td>TOTALDRIVES</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalRoSlots</td>
<td>TOTALROSLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalRwSlots</td>
<td>TOTALRWSLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalSlots</td>
<td>TOTALSLOTS</td>
<td>smallcount</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 3-50 tracks staging disk usage. Abbreviated table name "SD" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access</td>
<td>ACCESS</td>
<td>access</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>AvailableSpace</td>
<td>AVAILABLESPACE</td>
<td>size</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>CompressionType</td>
<td>COMPRESSIONTYPE</td>
<td>compression</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DiskNum</td>
<td>DISKNUM</td>
<td>disknum</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DiskPath</td>
<td>DISKPATH</td>
<td>path</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>LastAccessed</td>
<td>LASTACCESSSED</td>
<td>datetime</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>OwnerName</td>
<td>OWNERNAME</td>
<td>name</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Persistent</td>
<td>PERSISTENT</td>
<td>status</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Retention</td>
<td>RETENTION</td>
<td>retention</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Size</td>
<td>SIZE</td>
<td>size</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-51 contains information on links to files stored in staging disks. Abbreviated table name "SDF" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>DiskTag</td>
<td>DISKTAG</td>
<td>disktag</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FileName</td>
<td>FILENAME</td>
<td>file</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FileSize</td>
<td>FILESIZE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>FileType</td>
<td>FILETYPE</td>
<td>size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceDiskTag</td>
<td>SOURCEDISKTAG</td>
<td>disktag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceFile</td>
<td>SOURCEFILE</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-52 tracks the client processes attached to staging disks. Abbreviated table name "SD" for consistency of stored procedure naming.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreationTime</td>
<td>CREATIONTIME</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DiskTag</td>
<td>DISKTAG</td>
<td>disktag</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>LienHolder</td>
<td>LIENHOLDER</td>
<td>name</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>StagDiskLienId</td>
<td>STAGDISKLIENID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 3-53 makes requests for staging disks to be created. Abbreviated table name "SDR" for consistency of stored procedure naming.

**Table 3-53. DsStStagingDiskRequest**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>CompressionType</td>
<td>COMPRESSIONTYPE</td>
<td>compression</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DiskTag</td>
<td>DISKTAG</td>
<td>disktag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IntValue</td>
<td>INTVALUE</td>
<td>int</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RPCId</td>
<td>RPCID</td>
<td>rpcid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>RealValue</td>
<td>REALVALUE</td>
<td>real</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Size</td>
<td>SIZE</td>
<td>cachespace</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceDiskTag</td>
<td>SOURCEDISKTAG</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>SourceFileName</td>
<td>SOURCEFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TargetDisk</td>
<td>TARGETDISK</td>
<td>path</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>TargetFileName</td>
<td>TARGETFILENAME</td>
<td>file</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Table 3-54 maintains configurable parameters for staging disks. Abbreviated table name "SDS" for consistency of stored procedure naming.

**Table 3-54. DsStStagingDiskServer**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>AvailableStagingSpace</td>
<td>AVAILABLESTAGINGSPACE</td>
<td>cachespace</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>RootPath</td>
<td>ROOTPATH</td>
<td>path</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>StagingBlockSize</td>
<td>STAGINGBLOCKSIZE</td>
<td>blocksize</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>TotalStagingSpace</td>
<td>TOTALSTAGINGSPACE</td>
<td>cachespace</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-55 contains temporary worktable for GRCleanup.

**Table 3-55. DsStTempGR**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPCid</td>
<td>RPCID</td>
<td>rpcid</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-56 contains 'volume group' (section of Archive you are dealing with) information from configuration files such as the path currently pointed to and a history of paths related ONLY to a particular Archive server type. Abbreviated table name "VG" for consistency of stored procedure naming.
Table 3-56. **DsStVolumeGroup**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ServerId</td>
<td>SERVERID</td>
<td>serverid</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>VersionedDataType</td>
<td>VERSIONEDDATATYPE</td>
<td>datatype</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>VolumeEndDate</td>
<td>VOLUMEENDDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>VolumeGroupId</td>
<td>VOLUMEGROUPID</td>
<td>identityid</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>VolumeGroupPath</td>
<td>VOLUMEGROUPPATH</td>
<td>path</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>VolumeStartDate</td>
<td>VOLUMESTARTDATE</td>
<td>datetime</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table 3-57 contains information about the current database version for Storage Management databases.

Table 3-57. **EcDbDatabaseVersions**

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Type</th>
<th>P</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>EcDbComments</td>
<td>ECDBCOMMENTS</td>
<td>comments</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbCurrentVersionFlag</td>
<td>ECDBCURRENTVERSIONFLAG</td>
<td>flag</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbDatabaseName</td>
<td>ECDBGDATABASENAME</td>
<td>name</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbDropDescription</td>
<td>ECDBDROPDESCRIPTION</td>
<td>description</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbDropInstallDate</td>
<td>ECDBDROPINSTALLDATE</td>
<td>datetime</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbDropVersion</td>
<td>ECDBDROPVERSION</td>
<td>version</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>EcDbSchemaVersionId</td>
<td>ECDBSCHEMAVERSIONID</td>
<td>id</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbSybaseServer</td>
<td>ECDBSYBASESERVER</td>
<td>server</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbSybaseVersion</td>
<td>ECDBSYBASEVERSION</td>
<td>version</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>EcDbUpdateProcess</td>
<td>ECDUPDATEPROCESS</td>
<td>process</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

3.1.3 **Column Specifications**

Brief definitions of each of the columns within the STMGT and DDIST Subsystems database and their valid values, or references to other documents containing the valid values, are contained herein. "Valid Values" identify the permissible data content of the column where there is a finite set of acceptable values that can be defined. Other columns are simply formatted/free text or numeric.

<table>
<thead>
<tr>
<th>COLUMN</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>TABLE</th>
<th>VALID VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access</td>
<td>Level of permission allowed for that staging disk (i.e. RW, RO)</td>
<td>varchar(10)</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>ActiveRPCId</td>
<td>Points to the RPCId location of the active requests.</td>
<td>varchar(175)</td>
<td>DsStDependentRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
<td>--------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>AlwaysInCache</td>
<td>&quot;Y&quot;es or &quot;N&quot;o if file should always remain in cache file and Not be given delete authorization.</td>
<td>char(1)</td>
<td>DsStCache</td>
<td>Y (yes); N (No)</td>
</tr>
<tr>
<td>ArchiveId</td>
<td>The Archive Id from science data server (SDSRV).</td>
<td>varchar(255)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>Archiveld</td>
<td>Relative to Archive Backup &amp; Restore, it is external data received from SDSRV. Format: &quot;&lt;HWCl&gt;<em>&lt;mode&gt;:&lt;VG name&gt;&quot; or &quot;&lt;HWCl&gt;</em>&lt;mode&gt;:&lt;disk name&gt;&quot;. Only one of Archiveld or StagingId is populated; both are never filled.</td>
<td>varchar(30)</td>
<td>DsStArchiveHistory, DsStBackup, DsSTBackupHistory</td>
<td></td>
</tr>
<tr>
<td>AuxState</td>
<td>TBD</td>
<td>varchar(255)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>AvailableSpace</td>
<td>Current space on the staging disk server.</td>
<td>int</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>AvailableStagingSpace</td>
<td>Remaining space on the staging disk server.</td>
<td>numeric(15)</td>
<td>DsStStagingDiskServer</td>
<td></td>
</tr>
<tr>
<td>AvailableCacheSpace</td>
<td>Remaining disk space allocated/ available (in the Pull Monitor). Determined at start time and recalculated after each process performed; could be different on start up (e.g., 10000000).</td>
<td>numeric(15)</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td>BackupId</td>
<td>Relative to Archive Backup and Restore, it is external data received from SDSRV. Format: &lt;HWCl&gt;<em>&lt;mode&gt;:&lt;VGname&gt; or &lt;HWCl&gt;</em>&lt;mode&gt;:&lt;diskname&gt;</td>
<td>varchar(255)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>BackupId</td>
<td>Relative to Archive Backup &amp; Restore, it is external data received from SDSRV. Format: &lt;HWCl&gt;<em>&lt;mode&gt;:&lt;VG name&gt; or &lt;HWCl&gt;</em>&lt;mode&gt;:&lt;disk name&gt;. Only one of Archiveld or StagingId is populated; both are never filled.</td>
<td>varchar(30)</td>
<td>DsStArchiveHistory, DsStBackup, DsSTBackupHistory</td>
<td></td>
</tr>
<tr>
<td>BackupTransferStage</td>
<td>Indicates a stage of a restart backup request. (i.e. Executing, Failed)</td>
<td>varchar(50)</td>
<td>DsStBackup</td>
<td></td>
</tr>
<tr>
<td>BackupTransferStatus</td>
<td>Status of a restart backup request. (i.e. Blank, Failed, Completed, Successful)</td>
<td>varchar(50)</td>
<td>DsStBackup</td>
<td></td>
</tr>
<tr>
<td>Barcode</td>
<td>Indicates whether or Not the stacker automatic inventorying of media through the use of a built in barcode reader.</td>
<td>tinyint</td>
<td>DsStPreconfigure, DsStacker, DsStStacker</td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>COLUMN</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>TABLE</th>
<th>VALID VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BufferNumber</td>
<td>(NOT USED)</td>
<td>int</td>
<td>DsStCDROMServer</td>
<td></td>
</tr>
<tr>
<td>BufferSize</td>
<td>(NOT USED)</td>
<td>int</td>
<td>DsStCDROMServer</td>
<td></td>
</tr>
<tr>
<td>CacheBlockSize</td>
<td>Size of blocks in bytes for the cache used for copying files in and out of</td>
<td>int</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td></td>
<td>the cache and allocating space in the cache.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CacheId</td>
<td>Unique cache id (of Pull Monitor and Staging Monitor/ Disk).</td>
<td>numeric(5)</td>
<td>DsStCache</td>
<td>DsStCacheFile DsStDeleteLogCacheFile DsSTFileLien DsStFileLink DsStManagedCa</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>cheDir DsStNotification DsStPendingReservations</td>
</tr>
<tr>
<td>CallBackFunction</td>
<td>(NOT USED)</td>
<td>varchar(50)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>Total amount of space available for (Distribution and Ingest FTP, 4MM and</td>
<td>int</td>
<td>DsStMediaServer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8MM Tapes) utilization (e.g., 1200000000). Annotation: Should accept either</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>the HighCapacity or LowCapacity of its corresponding ServerId record on</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DsStConfigParameter table.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CheckPointState</td>
<td>For Table DsStDistributedFile: Processing state of a file; used for the</td>
<td>varchar(50)</td>
<td>DsStFile DsStGenericReq</td>
<td>0 (= Initial) 1 (= Checkpointed) 2 (= Staging Disk Created) 3 (= Ready to</td>
</tr>
<tr>
<td></td>
<td>purpose of getting back to an initial state.</td>
<td></td>
<td>uest) 4 (= Copy Attempted (we did 3-28) 311-CD-605-001</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>--------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------</td>
<td>----------------------------</td>
<td>---------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Checksum</td>
<td>The checksum of the Archive.</td>
<td>int</td>
<td>DsDdFile</td>
<td>the copy) 5 (Checksum Computed) 6 (Backed-up Online) 7 (Completed)</td>
</tr>
<tr>
<td>Checksum Flag</td>
<td>Flag to determine if the checksum is calculated on cache copy.</td>
<td>tinyint</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>Checksum</td>
<td>Computed. Used for the purpose of identifying a file's and its processed state.</td>
<td>nnt</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>------------</td>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CompletedLocation</td>
<td>Text description provided by operator where the media is located after having been unloaded.</td>
<td>varchar(255)</td>
<td>DsStMedia</td>
<td></td>
</tr>
<tr>
<td>Compressibility</td>
<td>The compressibility of the granule.</td>
<td>int</td>
<td>DsDdGranule</td>
<td></td>
</tr>
<tr>
<td>CompressionFactor</td>
<td>Indicates the percentage reduction in the filesize by applying the specific compression type.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>CompressionId</td>
<td>(GOING AWAY)</td>
<td>numeric(5)</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>CompressionMean</td>
<td>The average reduction in filesize experienced to date for the assoc. compression method and datatype.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>CompressionType</td>
<td>Type of compression required to process the data.</td>
<td>varchar(16)</td>
<td>DsStCompressionStats</td>
<td>0 (No compression (default); 1 (compressed); 2 (decompressed)</td>
</tr>
<tr>
<td>CompressionType</td>
<td>Type of compression required to process the data.</td>
<td>int</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>Confidence80</td>
<td>Based on experiential data the minimum reduction in filesize predicted with an 80% level of confidence.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>Confidence85</td>
<td>Based on experiential data the minimum reduction in filesize predicted with an 85% level of confidence.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>Confidence90</td>
<td>Based on experiential data the minimum reduction in filesize predicted with an 90% level of confidence.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-------</td>
<td>-------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Confidence95</td>
<td>Based on experiential data the minimum reduction in filesize predicted with an 95% level of confidence.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>Confidence99</td>
<td>Based on experiential data the minimum reduction in filesize predicted with an 99% level of confidence.</td>
<td>real</td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>ConfirmDelete</td>
<td>Flag whether to automatically Delete upon reaching PullExpirationTime (Pull Monitor and Staging Monitor/ Disk).</td>
<td>smallint</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td>ControllerId</td>
<td>The numeric identifier associated with the device as required ioctal calls to the device.</td>
<td>int</td>
<td>DsStDevice DsStPreconfigureDevice</td>
<td></td>
</tr>
<tr>
<td>CreateDate</td>
<td>Date and Time at which a record is inserted/created. Used for uniqueness of repeated record details and for historical reference.</td>
<td>datetime</td>
<td>DsStBackup DsStBackupHistory DsStRequestMedia</td>
<td></td>
</tr>
<tr>
<td>CreationTime</td>
<td>Date and Time at which a record is inserted/created. Used for uniqueness of repeated record details and for historical reference.</td>
<td>datetime</td>
<td>DsStGenericRequest DsStStagingDisk Lien DsStPendingDelete</td>
<td></td>
</tr>
<tr>
<td>CurrDdistStageDisk</td>
<td>The staging disk tag (or its fully qualified name) of the current (unfinished) DDIST target staging disk associated with the current media.</td>
<td>varchar(255)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>CurrentFileIndex</td>
<td>Which file is being requested for processing (e.g., file 4 of 12).</td>
<td>int</td>
<td>DsStArchiveRequest</td>
<td></td>
</tr>
<tr>
<td>CurrentOperation</td>
<td>Operation of the device at the present.</td>
<td>smallint</td>
<td>DsStDevice DsStPreconfigureDevice</td>
<td>&quot;Read&quot;, &quot;Write&quot;, &amp; &quot;Null&quot;.</td>
</tr>
<tr>
<td>Datalist</td>
<td>Path and name of (Staging Monitor/Disk) list of files in cache area (e.g., /home/dsst/pull.list).</td>
<td>varchar(255)</td>
<td>DsStFtpServer DsStNotification</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------</td>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>DefaultBlockFactor</td>
<td>Specifies the size in bytes of blocks for the remote tape device or disk that is being written. Platform specific (for all servers).</td>
<td>smallint</td>
<td>DsStMediaServer</td>
<td>The only certain known value is 2048 (bytes) which is used by default. 65K is the maximum value that can be specified (e.g., 1024 for Sun, 4096 for SGI).</td>
</tr>
<tr>
<td>DefaultRPCTag</td>
<td>Initial RPC setting</td>
<td>char(4)</td>
<td>DsStServerType</td>
<td></td>
</tr>
<tr>
<td>DeleteDate</td>
<td>Date and Time the file was removed from cache (Pull Monitor or Staging Monitor/ Disk). Set with the current system date upon insert into the table.</td>
<td>datetime</td>
<td>DsStDeleteLogCacheFile</td>
<td></td>
</tr>
<tr>
<td>DeleteFlag</td>
<td>Indicator for items to be deleted</td>
<td>char(1)</td>
<td>DsStCacheFile</td>
<td></td>
</tr>
<tr>
<td>DeleteLogId</td>
<td>Unique identifier of each historical record inserted to table. Sequentially generated from the DsStNextId table.</td>
<td>numeric(5)</td>
<td>DsStDeleteLogCacheFile</td>
<td></td>
</tr>
<tr>
<td>DependReqId</td>
<td>(GOING AWAY)</td>
<td>numeric(15)</td>
<td>DsStDependentRequest</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>1) For Table: DsStCache. For elaboration on or further identification of unique cache. 2) For Table: DsStDevice. Detailed description of the type of device (e.g., Large capacity 4MM Tape stacker device) 3) For Table: DsStErrorText. Textual information regarding errors.</td>
<td>varchar(255)</td>
<td>DsStCache DsStDevice DsStErrorText DsStPreconfigure dDevice DsStPreconfigure dStacker DsStStacker</td>
<td></td>
</tr>
<tr>
<td>DestinationPath</td>
<td>The path in which files to be transferred are to be placed.</td>
<td>varchar(255)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------</td>
<td>--------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>DeviceName</td>
<td>Unique identifier of the device record. A device can be either stand alone as with a 4MM Tape Drive, or a device can be related to a Stacker as with a 4MM Tape Stacker which would have more than one device/drives associated with it. If a Device is related to a Stacker, concatenating the DeviceName and StackerId columns as the DeviceName column value formats the unique identifier.</td>
<td>varchar(20)</td>
<td>DsStDevice, DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>DeviceTablePath</td>
<td>Used for scheduling and reservations in the Resource Provider for most of the resources.</td>
<td>varchar(255)</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>Directory</td>
<td>Created (by Pull Monitor) when files are linked and FTP’d (e.g., /home/dsst/user).</td>
<td>varchar(255)</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>DirectoryId</td>
<td>Unique identifier of each directory record inserted to table. Sequentially generated from the DsStNextId table.</td>
<td>numeric(5)</td>
<td>DsStFileLink, DsStManagedCacheDir</td>
<td></td>
</tr>
<tr>
<td>DirectoryName</td>
<td>The name of the directory.</td>
<td>varchar(200)</td>
<td>DsStManagedCacheDir, DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>DiskNum</td>
<td>A unique integer given to a disk by the staging manager.</td>
<td>numeric(5)</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>DiskPath</td>
<td>Unix path to the disk.</td>
<td>varchar(255)</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>DiskTag</td>
<td>Unique identifier that identifies the disk.</td>
<td>varchar(24)</td>
<td>DsStFile, DsStStagingDisk, DsStStagingDiskFile, DsStStagingDisk Lien, DsStStagingDisk Request</td>
<td></td>
</tr>
<tr>
<td>DistName</td>
<td>The user-given name that a file to be distributed will ultimately have upon distribution onto media or ftp.</td>
<td>varchar(200)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>DistributionEstSize</td>
<td>The estimated volume of data to be distributed as calculated by DDIST based on expected compression rates.</td>
<td>int</td>
<td>DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------</td>
<td>----------------------------------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>DriveNumber</td>
<td>Which drive of the available drives in the stacker hardware is being used (e.g., 1, 2, or 3).</td>
<td>smallint</td>
<td>DsStDevice DsStPreconfigure dDevice</td>
<td></td>
</tr>
<tr>
<td>EcDbComments</td>
<td>Notes or comments on the database version level.</td>
<td>varchar(255)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbCurrentVersionFlag</td>
<td>Flag indicating if this row represents the current database version entry</td>
<td>char(1)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbDatabaseName</td>
<td>The name of the database for which this database versions level is applied.</td>
<td>varchar(255)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbDropDescription</td>
<td>The official name of the ECS software drops for this database version level.</td>
<td>varchar(255)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbDropInstallDate</td>
<td>The date and time that the database versions level was installed.</td>
<td>datetime</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbDropVersion</td>
<td>The official description of the ECS software drops for this database version level.</td>
<td>char(64)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbSchemaVersionId</td>
<td>The subsystem-specific identifier for this database schema version.</td>
<td>smallint</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbSybaseServer</td>
<td>The name of the baseline Sybase SQL server controlling this database.</td>
<td>varchar(255)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbSybaseVersion</td>
<td>The software release version of the Sybase SQL server in place when this database version level was initially installed.</td>
<td>varchar(255)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcDbUpdateProcess</td>
<td>The installation method by which this database version level was installed.</td>
<td>varchar(255)</td>
<td>EcDBDatabaseVersions</td>
<td></td>
</tr>
<tr>
<td>EcsUserId</td>
<td>The User ID of the user initiating request.</td>
<td>varchar(50)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>ElementNo</td>
<td>An identifying number (for robotic arm) to find location of a drive device.</td>
<td>smallint</td>
<td>DsStDevice DsStPreconfigure dDevice DsStPreconfigure dStacker DsStSlot DsStStacker</td>
<td></td>
</tr>
<tr>
<td>EncryptedPassword</td>
<td>The encrypted ftp password.</td>
<td>varchar(50)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>EndDate</td>
<td>Date and Time at which activity or record processing has completed.</td>
<td>datetime</td>
<td>DsStBackup DsStBackupHistory</td>
<td></td>
</tr>
<tr>
<td>EndTime</td>
<td>The time that distribution ended.</td>
<td>varchar(255)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------</td>
<td>------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ErrorCode</td>
<td>Numeric value used to uniquely identify specific error record. Will be referenced in storage management software code (if and when an error occurs) for Standard Error Handling.</td>
<td>int</td>
<td>DsStCancelledRequest DsStErrorAttribute DsStErrorText DsStFile DsStGenericRequest DsStPendingDelete DsStMediaServer Contact</td>
<td></td>
</tr>
<tr>
<td>EsdtType</td>
<td>The ESDT (Earth Science Data Type) Type. A Request is of one EsdtType and can include many Granules, but all Granules associated with a Request must be of the same EsdtType.</td>
<td>varchar (50)</td>
<td>DsDdGranule DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>EstFileSize</td>
<td>The estimated size of the file.</td>
<td>float(8)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>EstGranuleSize</td>
<td>The sum of the estimated size of the files in the granule.</td>
<td>float(8)</td>
<td>DsDdGranule</td>
<td></td>
</tr>
<tr>
<td>EventDate</td>
<td>Date and time of occurrence of (table insertion) error/ event on event log. Supplied by calling the application.</td>
<td>datetime</td>
<td>DsStEventLog</td>
<td></td>
</tr>
<tr>
<td>EventLevel</td>
<td>Fatal or Retry related to Error.</td>
<td>varchar (11)</td>
<td>DsStEventLog</td>
<td></td>
</tr>
<tr>
<td>EventLogId</td>
<td>Unique identifier of an entry on the event log. Sequentially generated from DsStNextId table via an insert Trigger.</td>
<td>numeric(5)</td>
<td>DsStEventLog</td>
<td></td>
</tr>
<tr>
<td>EventMessage</td>
<td>The associated text for a STMGT event or COTS error message.</td>
<td>varchar(255)</td>
<td>DsStFile DsStEventLog</td>
<td></td>
</tr>
<tr>
<td>EventNumber</td>
<td>Created independently of the Database; it is a number that is associated with a STMGT event message or COTS error number.</td>
<td>int</td>
<td>DsStEventLog</td>
<td></td>
</tr>
<tr>
<td>EventType</td>
<td>Categorization of an entry on the event log (e.g., Server, Pull Monitor, Cache, Sybase).</td>
<td>varchar(10)</td>
<td>DsStEventLog</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td></td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>
| Expiration            | This is the date time that expires the files in cache.                      | datetime  | DsStDeleteLogCacheFile  
DsStFileLien  
DsStFileLink  
DsStFtpRequest  
DsStManagedCacheDir |
| ExpirationThreshold   | Number of hours it takes for files to expire in the cache.                 | int       | DsStCache                                                             |
| ExternalRequestId     | A SIPS-generated identifier that uniquely defines an order generated through the Machine-to-Machine Gateway. | varchar(50) | DsStPrintRequest  
DsStCacheManagerRequest  
DsStFtpRequest  
DsStMediaRequest |
| FileIndex             | This is file n of m files (e.g., file 2 of 12)                              | int       | DsStArchiveFileRequest  
DsStFile |
| FileIOBlockSize       | The blocks to be used for file IO.                                          | int       | DsStCache                                                             |
| FileLienId            | (GOING AWAY)                                                                 | numeric(5) | DsStFileLien                                                          |
| FileList              | The name of the file containing the list of the files to be distributed.    | varchar(30) | DsStMediaRequest |
| FileLocation          | Physical file location or directory path.                                   | varchar(255) | DsStFile |
| FileName              | The 'unique filename'. Relative to PullMonitor caching, it is the unique identifier of the metadata file (uniq_file). Relative to Archive Backup & Restore, it is the unique identifier of the metadata file provided as external data from SDSRV. | varchar(200) | DsStBackup  
DsStBackupHistory  
DsStCacheFile  
DsStDeleteLogCacheFile  
DsStFile  
DsStFileLien  
DsStFileLink  
DsStStagingDiskFile  
DsStPendingDelete  
DsStPendingReservations  
DsStStagingDiskFile |
<p>| Filesize              | The size of the file.                                                       | float(8)  | DsDdFile                                                             |</p>
<table>
<thead>
<tr>
<th>COLUMN</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>TABLE</th>
<th>VALID VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>FileSize</td>
<td>The size of the cache file in bytes. File sizes of greater that 2 gigabytes are Not expected.</td>
<td></td>
<td>DsStCacheFile,DsStCacheManagerRequest,DsStDeleteLogFile,DsStFile,DsStPendingReservations,DsStStagingDiskFile,DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>FileType</td>
<td>Type of file in the staging disk. (i.e. Link, ROCacheLink, Directory, File)</td>
<td>int</td>
<td>DsStStagingDiskFile</td>
<td></td>
</tr>
<tr>
<td>FixedSlot</td>
<td>Fixed slot of the Stacker</td>
<td>smallint</td>
<td>DsStPreconfigureStaker,DsStStager</td>
<td></td>
</tr>
<tr>
<td>Format</td>
<td>Media format for distribution. (i.e. Rockridge (DsStCDROMServer), Tar (DsStMediaRequest))</td>
<td>varchar(15)</td>
<td>DsStCDROMServer,DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>FtpHost</td>
<td>Holds the hostname to connect to for FtpPush.</td>
<td>varchar(255)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>FtpPassword</td>
<td>Holds the password to use for FtpPush.</td>
<td>varchar(255)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>FtpPullExp</td>
<td>The expiration date-time that a completed FtpPull is granted before it will be automatically removed from the pull area.</td>
<td>varchar(255)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>FtpPullHost</td>
<td>The host name that the user is to ftp into to get his requested FtpPull files.</td>
<td>varchar(255)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>FtpPushDest</td>
<td>Holds the target system directory.</td>
<td>varchar(255)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>FtpUser</td>
<td>Holds the login to use for the FtpPush.</td>
<td>varchar(50)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>GenericName</td>
<td>Holds the generic name for EcDsDistributionServer</td>
<td>varchar(40)</td>
<td>DsDdServerGeneric</td>
<td></td>
</tr>
<tr>
<td>GenericValue</td>
<td>Holds the generic value for EcDsDistributionServer</td>
<td>varchar(40)</td>
<td>DsDdServerGeneric</td>
<td></td>
</tr>
<tr>
<td>GranuleId</td>
<td>The granule Id of the actual granule.</td>
<td>varchar(150)</td>
<td>DsDdFile,DsDdGranule</td>
<td></td>
</tr>
<tr>
<td>GranuleSize</td>
<td>The sum of the sizes of files in the granule.</td>
<td>float(8)</td>
<td>DsDdGranule</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
<td>------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>HighThreads</td>
<td>Number of service threads in the pool allocated at the priority high.</td>
<td>int</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
<tr>
<td>HighWaterMark</td>
<td>Highest allowable percentage usage of space allocated (for the Pull Monitor and Staging Monitor/Disk) (e.g., 74.80).</td>
<td>decimal(5,2)</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td>Host</td>
<td>The host in which to connect to for the ftp transfer.</td>
<td>varchar(64)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>HostName</td>
<td>The host on which the server instance is running.</td>
<td>varchar(64)</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>HWCI</td>
<td>HardWare CI. Used to allow multiple instances of a ServerType to exist such as EcDsStArchiveServeDRP1 and EcDsStArchiveServerICL1.</td>
<td>char(12)</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>InsertTime</td>
<td>The time a particular file was stored in the archive.</td>
<td>datetime</td>
<td>DsStPendingDelete</td>
<td></td>
</tr>
<tr>
<td>IntValue</td>
<td>Houses request values that are integer types.</td>
<td>int</td>
<td>DsStStagingDiskRequest</td>
<td></td>
</tr>
<tr>
<td>IsDriveAllocated</td>
<td>Tells whether or Not the drive is allocated.</td>
<td>tinyint</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td>IsDriveOnline</td>
<td>Tells whether or Not the drive is online.</td>
<td>tinyint</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td>IsMediaInDrive</td>
<td>Tells whether or Not any media is in the drive.</td>
<td>tinyint</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td>IsMediaInSlot</td>
<td>Tells whether or Not any media is in the slot.</td>
<td>tinyint</td>
<td>DsStSlot</td>
<td></td>
</tr>
<tr>
<td>IsRetrieveCksumEnabled</td>
<td>Tells whether or Not the checksum is enabled for an archive retrieve.</td>
<td>tinyint</td>
<td>DsStArchiveServer</td>
<td></td>
</tr>
<tr>
<td>IsSlotAllocated</td>
<td>Tells whether or Not the slot is allocated.</td>
<td>tinyint</td>
<td>DsStSlot</td>
<td></td>
</tr>
<tr>
<td>IsSlotOnline</td>
<td>Tells whether or Not the slot is online.</td>
<td>tinyint</td>
<td>DsStSlot</td>
<td></td>
</tr>
<tr>
<td>IsStackerOnline</td>
<td>Tells whether or Not the stacker is online.</td>
<td>tinyint</td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td>IsStoreCksumEnabled</td>
<td>Tells whether or Not the checksum is enabled for an archive store.</td>
<td>tinyint</td>
<td>DsStArchiveServer</td>
<td></td>
</tr>
<tr>
<td>LastAccessed</td>
<td>Time stamp in which a file was last accessed.</td>
<td>datetime</td>
<td>DsStCacheFile</td>
<td>DsStDeleteLogCacheFile</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>LastArchiveVolumeGroup</td>
<td>The volumegroupid that identifies the primary archive local location that an archive server has stored a file.</td>
<td>numeric(9)</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>LastBackupVolumeGroup</td>
<td>The volumegroupid that identifies the backup archive local location that an archive server has stored a file.</td>
<td>numeric(9)</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>LastOffsiteVolumeGroup</td>
<td>The volumegroupid that identifies the offsite archive local location that an archive server has stored a file.</td>
<td>numeric(9)</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>LastOperation</td>
<td>For media ingest operation this indicates the last step which is completed.</td>
<td>varchar(16)</td>
<td>DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>LastSuccMediaNr</td>
<td>The last successful media number.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>LastSuccStageNr</td>
<td>The value of the counting index of the last media for which staging was completed. The index is zero for the first media.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>LastUpdated</td>
<td>Time stamp indicating when a request was last modified.</td>
<td>datetime</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>LienHolder</td>
<td>The client that owns the lien on the cache file or staging disk.</td>
<td>varchar(150)</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>LinkName</td>
<td>The name of the file as it appears, which is a link to the cache.</td>
<td>varchar(150)</td>
<td>DsStFileLink</td>
<td></td>
</tr>
<tr>
<td>LoopIndex</td>
<td>An integer indicating the current file being processed in a list of files.</td>
<td>int</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>LockVal</td>
<td>An integer column</td>
<td>int</td>
<td>DsStSDLock</td>
<td></td>
</tr>
<tr>
<td>LowThread</td>
<td>Number of service threads in the pool allocated at the priority low.</td>
<td>int</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
<tr>
<td>LowWaterMark</td>
<td>Delete down to limit when High Water Mark is reached (for the Pull Monitor and Staging Monitor/ Disk) (e.g., 24.50).</td>
<td>decimal(5,2)</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td>ManagedDirectoryArea</td>
<td>The base path of managed directories contained within a cache.</td>
<td>varchar(255)</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td>MaxRequestSize</td>
<td>Maximum size for a requested media.</td>
<td>int</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>MaxReroutes</td>
<td>For media servers the maximum number of times a request will be rerouted to a different server instance.</td>
<td>int</td>
<td>DsStServerType</td>
<td></td>
</tr>
<tr>
<td>MediaBlockSize</td>
<td>The media blocksize format.</td>
<td>Float(15)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>---------------</td>
<td>----------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>MediaBlockSize</td>
<td>The blocksize used for the media for reading and writing this parameter is also used for specifying media capacity.</td>
<td>int</td>
<td>DsStMediaServer</td>
<td></td>
</tr>
<tr>
<td>MediaCapacity</td>
<td>The capacity for media.</td>
<td>float(15)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>MediaFormat</td>
<td>The media distribution format (ie: FILEFORMAT,TARFORMAT)</td>
<td>varchar(50)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>MediaId</td>
<td>Unique identifier used to identify a certain piece of hard media. (i.e. Tape, CD, DLT Tape)</td>
<td>varchar(32)</td>
<td>DsStDevice, DsStMedia, DsStMediaRequest, DsStMediaSet, DsStRequestMedia, DsStSlot</td>
<td></td>
</tr>
<tr>
<td>MediaNumber</td>
<td>The order in a sequence of numbers for media distribution. (i.e. 1 of 3, 2 of 3, 3 of 3)</td>
<td>int</td>
<td>DsStRequestMedia</td>
<td></td>
</tr>
<tr>
<td>MediaOnlineDrives</td>
<td>A flag that tells whether or Not the drive is online or offline.</td>
<td>int</td>
<td>DsStRequestMedia</td>
<td></td>
</tr>
<tr>
<td>MediaSetId</td>
<td>The description identifying the media set.</td>
<td>varchar(150)</td>
<td>DsStMediaSet</td>
<td></td>
</tr>
<tr>
<td>MediaStagingDisk</td>
<td>A local staging disk used for media distribution.</td>
<td>varchar(24)</td>
<td>DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>MediaStatus</td>
<td>The status of a DLT media distribution.</td>
<td>smallint</td>
<td>DsStMedia</td>
<td></td>
</tr>
<tr>
<td>MediaType</td>
<td>The type of media used for a request.(i.e. 8MMTAPE, CDRom)</td>
<td>varchar(50)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>MediaUse</td>
<td>Whether or Not media is in use. Set to one if in use and zero if Not in use.</td>
<td>smallint</td>
<td>DsStMedia</td>
<td></td>
</tr>
<tr>
<td>MediumType</td>
<td>Type of medium this particular Stacker resource accommodates (e.g., 8mm Tape, 4mm Tape, D3 Tape).</td>
<td>varchar(50)</td>
<td>DsStStacker, DsStPreconfigure, dStacker</td>
<td></td>
</tr>
<tr>
<td>Mnemonic</td>
<td>Defined by internal standards for symbolic constants (e.g., DsCSt*).</td>
<td>varchar(32)</td>
<td>DsStErrorText</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>Particular model number or reference for this device (for 4MM, 8MM Tapes and Stackers) (e.g., CM1).</td>
<td>char(20)</td>
<td>DsStDevice, DsStPreconfigure, dDevice</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
<td>-------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>NetworkDistribution</td>
<td>A flag indicating whether or Not the server will permit media distribution from a remote (NSF mounted) staging disk.</td>
<td>tinyint</td>
<td>DsStMediaServer</td>
<td></td>
</tr>
<tr>
<td>NoWaitFlag</td>
<td>Flag used in reserving space in the cache to indicate whether a client wants to wait for space to be freed.</td>
<td>tinyint</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>Node</td>
<td>The Node on which the server is currently running when it is brought up (e.g., kodiak, soe2sun, dss2). When the server is taken down, the Node field will be set to NULL (default) or blank. Automatically set by application software.</td>
<td>varchar(255)</td>
<td>DsStPreconfiguredDevice</td>
<td></td>
</tr>
<tr>
<td>Node</td>
<td>The Node on which the server is currently running when it is brought up (e.g., kodiak, soe2sun, dss2, etc.). When the server is taken down, the Node field will be set to NULL or blank.</td>
<td>varchar(255)</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td>NormalThreads</td>
<td>Number of service threads in the pool allocated at the priority Normal.</td>
<td>int</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
<tr>
<td>Notify</td>
<td>Indicates the mail address to use for Notification.</td>
<td>varchar(50)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>NotifyType</td>
<td>If MAIL is specified, a Distribution Notification message will be sent, either to email address of logical queue specified in the NOTIFY parameter. If LIST is specified, a GLparameter list of distributive files will be returned to the RPC caller.</td>
<td>varchar(50)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>NrGranFiles</td>
<td>The number of files in a granule.</td>
<td>int</td>
<td>DsDdGranule</td>
<td></td>
</tr>
<tr>
<td>NrGranules</td>
<td>The number of granules per media object.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>NrMedia</td>
<td>The number of distinct physical media to distribute onto for a single DDIST request. This is always one for FtpPull requests, and in practice it is one for FtpPushes.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>NrReqFiles</td>
<td>The number of files in the distribution request.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>NumColumns</td>
<td>The number of columns for formatting a page to print. Required for the printer server.</td>
<td>smallint</td>
<td>DsStMediaServer</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
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<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
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<td>---------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>NumFiles</td>
<td>Total files related to the Requestld.</td>
<td>int</td>
<td>DsStArchiveRequest</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStCompressionStats</td>
<td></td>
</tr>
<tr>
<td>NumRows</td>
<td>The number of rows for formatting a page to print. Required for the printer server configuration.</td>
<td>smallint</td>
<td>DsStMediaServer</td>
<td></td>
</tr>
<tr>
<td>NumThreads</td>
<td>Number of service threads in the pool.</td>
<td>int</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
<tr>
<td>Offsiteid</td>
<td>Relative to Archive Backup and Restore, it is external data received from SDSRV. The value is three characters (i.e. GSF, ERC..)</td>
<td>varchar(255)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>Offsiteld</td>
<td>Relative to Archive Backup &amp; Restore, it is received as external data from SDSRV. It's value must be in the format of 3 characters (e.g., GSF, ERC).</td>
<td>varchar(30)</td>
<td>DsStArchiveRequest</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStBackup</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStBackupHistory</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>OffsiteTransferStage</td>
<td>Indicates a stage of a restart offsite request. (i.e. Executing, Failed)</td>
<td>varchar(50)</td>
<td>DsStBackup</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStBackupHistory</td>
<td></td>
</tr>
<tr>
<td>OffsiteTransferStatus</td>
<td>Status of restart offsite request. (i.e. Blank, Failed, Completed, Successful)</td>
<td>varchar(50)</td>
<td>DsStBackup</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStBackupHistory</td>
<td></td>
</tr>
<tr>
<td>OnlineDrives</td>
<td>Number of drives that are on-line versus off-line in this stacker.</td>
<td>smallint</td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigureDStacker</td>
<td></td>
</tr>
<tr>
<td>OnlineSlots</td>
<td>Number of slots that are on-line versus off-line in this stacker.</td>
<td>smallint</td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigureDStacker</td>
<td></td>
</tr>
<tr>
<td>OperationStatus</td>
<td>Status of the Operation.</td>
<td>smallint</td>
<td>DsStDevice</td>
<td>Free, Allocated,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigureDDevice</td>
<td>Mounted, Complete</td>
</tr>
<tr>
<td>OrderedState</td>
<td>The ordered state of a request. (i.e. Cancel, Suspend, Marked Shipped...)</td>
<td>varchar(50)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>OrderId</td>
<td>The OrderId for the distribution request.</td>
<td>varchar(50)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
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<td>----------------------------------</td>
</tr>
<tr>
<td>OriginalFileName</td>
<td>Relative to PullMonitor caching, it is the original file name received from the satellite-transmitted data. Relative to Archive Backup &amp; Restore, it is the original file name received as external data from SDSRV.</td>
<td>varchar(200)</td>
<td>DsStBackup</td>
<td>DsStBackupHistory</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>OriginalRPCId</td>
<td>Points to the RPCId location of data that a subrequest should use to get file data.</td>
<td>varchar(175)</td>
<td>DsStArchiveFileRequest</td>
<td></td>
</tr>
<tr>
<td>OwnerName</td>
<td>The name of the client whom the disk belongs.</td>
<td>varchar(150)</td>
<td>DsStManagedCacheDir</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPendingReservations</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigureDevice</td>
<td></td>
</tr>
<tr>
<td>PathName</td>
<td>Directory path of device/resource files used (e.g., /ecs/usr/TS1/CUSTOM/bin/).</td>
<td>varchar(255)</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>PendingId</td>
<td>Unique identifier for DsStPendingReservations</td>
<td>numeric(9)</td>
<td>DsStPendingReservations</td>
<td></td>
</tr>
<tr>
<td>Persistent</td>
<td>Indicates if the staging disk should be retained or deleted when the last attached client detaches.</td>
<td>smallint</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>PollingRequired</td>
<td>'Poll' the database to see if there is any work for this server.</td>
<td>smallint</td>
<td>DsStNotification</td>
<td>Y(es) N(o)</td>
</tr>
<tr>
<td>PoolType</td>
<td>Classification of threads within a certain pool. (i.e. ReadThreads, WriteThreads)</td>
<td>char(16)</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
<tr>
<td>PortNumber</td>
<td>The port that a server listens on to be woken up.</td>
<td>int</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>PrinterSource</td>
<td>The staging disk on which the file to be printed resides.</td>
<td>varchar(35)</td>
<td>DsStPrintRequest</td>
<td></td>
</tr>
<tr>
<td>PrintFileName</td>
<td>The file to be printed.</td>
<td>varchar(200)</td>
<td>DsStPrintRequest</td>
<td></td>
</tr>
<tr>
<td>PrintQue</td>
<td>The destination printer queue to print to. Required for the printer server configuration.</td>
<td>varchar(200)</td>
<td>DsStMediaServer</td>
<td>High, Medium, Low</td>
</tr>
<tr>
<td>PrintUser</td>
<td>The client process requesting the print.</td>
<td>varchar(50)</td>
<td>DsStPrintRequest</td>
<td></td>
</tr>
<tr>
<td>Priority</td>
<td>The priority for the DistRequest object.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Priority</td>
<td>Priority assigned.</td>
<td>smallint</td>
<td>DsStGenericRequest</td>
<td>DsStBackup</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DsStBackupHistory</td>
</tr>
<tr>
<td>ProcessFlag</td>
<td>Indicates whether or not this request cancellation has been seen by the</td>
<td>tinyint</td>
<td>DsStCancelledRequest</td>
<td></td>
</tr>
<tr>
<td></td>
<td>affected server. This does not mean the request has been serviced.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ProcessingState</td>
<td>The state of a request. (i.e. P = Processing, S = Suspended, C = Completed)</td>
<td>char(1)</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>ProgressPartial</td>
<td>The portion of a certain request that is completed.</td>
<td>int</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>ProgressTotal</td>
<td>The total portion needed to complete the request.</td>
<td>Int</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>ProgressUnits</td>
<td>The units of portion used in ProgressPartial and ProgressTotal.</td>
<td>varchar(12)</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>PullHost</td>
<td>The machine on which the pull area resides.</td>
<td>varchar(64)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>PullServerId</td>
<td>The serverid of the pull monitor server.</td>
<td>numeric(5)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>RealValue</td>
<td>Houses request values that are real types.</td>
<td>real</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>RecorderSpeed</td>
<td>Speed 2 or 4, which depends on the hardware configuration.</td>
<td>varchar(5)</td>
<td>DsStCDROMServer</td>
<td></td>
</tr>
<tr>
<td>ReqMgrNotified</td>
<td>The flag indicating if the request manager has been Notified of a completed</td>
<td>tinyint</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>RequestDirectoryId</td>
<td>The directory id associated with an ftp pull request.</td>
<td>Numeric(5)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>RequestId</td>
<td>The RequestID of the distribution request that came from science data server</td>
<td>varchar(50)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(SDSRV).</td>
<td></td>
<td>DsDdGranule</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>RequestIdD</td>
<td>Received from the DDIST (Data Distribution) CI as the RPCId.</td>
<td>varchar(50)</td>
<td>DsStRequestMedia</td>
<td></td>
</tr>
<tr>
<td>RestartMode</td>
<td>The mode in which the server was restarted.</td>
<td>int</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>COLUMN</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>TABLE</th>
<th>VALID VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retention</td>
<td>Refers to how long (in hours) an incomplete request will be held in the checkpoint table (staging disk) before being discarded as an abandoned request.</td>
<td>int</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>Retries</td>
<td>Number of retries if (Distribution and Ingest FTP) request fails (e.g., 1).</td>
<td>smallint</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>RetrievedFileSize</td>
<td>File size capacity.</td>
<td>int</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>Rootpath</td>
<td>Path to Device/ Resource (staging area cache) (for the Staging Monitor/ Disk) (e.g., /home/dsst/pullmonitor)</td>
<td>varchar(255)</td>
<td>DsStStagingDiskServer DsStCache</td>
<td></td>
</tr>
<tr>
<td>RPCId</td>
<td>For rebinding/restarting. The format is a combination of a RequestId from a system level and a TransactionId that is fixed whenever the system restarts. SDSRVStagingArea DsDdRequest. The Location where science data server is staging the request data.</td>
<td>varchar(175)</td>
<td>DsDdRequest DsDdRequestVersion</td>
<td></td>
</tr>
<tr>
<td>RPCId</td>
<td>For rebinding/restarting. The format is a combination of a RequestId from a system level and a TransactionId that is fixed whenever the system restarts.</td>
<td>varchar(175)</td>
<td>DsStArchiveFileRequest DsStArchiveRequest DsStCacheManagerRequest DsStCancelledRequest DsStDependentRequest DsStEventLog DsStFile DsStFtpRequest DsStGenericRequest DsStMediaRequest DsStMediaServer Contacted DsStPendingReservations DsStPrintRequest DsStTempGR DsStStagingDiskRequest</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------------------</td>
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<td>------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>RPCSubTag</td>
<td>String identifying a server that is used to create submessages within a RPCId.</td>
<td>char(4)</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>Scope</td>
<td>Targeted level of the operation.</td>
<td>char(1)</td>
<td>DsStErrorAttribute</td>
<td>'R' (request); 'A' (application); 'S' (system); 'E' (enterprise)</td>
</tr>
<tr>
<td>SCSIId</td>
<td>(NOT USED)</td>
<td>int</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td>SDSRVStageArea</td>
<td>(Not Currently Used)</td>
<td>varchar(255)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>ServerDescription</td>
<td>Description of server type (e.g., Large capacity 4MM Tape stacker device).</td>
<td>varchar(255)</td>
<td>DsStServerType</td>
<td></td>
</tr>
<tr>
<td>ServerId</td>
<td>Unique identifying name of server using pre-defined naming convention (e.g., EcDsStArchiveServer&lt;HWCI&gt;<em>&lt;mode&gt;, EcDsStPullMonitorServer&lt;HWCI&gt;</em>&lt;mode&gt;).</td>
<td>numeric(5)</td>
<td>DsStArchiveServer</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>DsStCache</td>
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<td>DsStCDROMServer</td>
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<td>DsStConfigParameter</td>
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<td></td>
<td>DsStDevice</td>
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<td>DsStFile</td>
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<td>DsStFtpServer</td>
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<td>DsStGenericRequest</td>
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<td>DsStMediaServer</td>
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<td>DsStServiceThreadConfig</td>
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<td>DsStStacker</td>
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<td>DsStStagingDisk</td>
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<td>DsStServer</td>
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<td>DsStVolumeGroup</td>
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<td>DsStPendingDelete</td>
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</tr>
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<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
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<td>------------------------------------------------------------------------------</td>
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<td>----------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>ServerName</td>
<td>The text name of the server instance including HWCI but Not MODE.</td>
<td>varchar(50)</td>
<td>DsStConfigPara meter</td>
<td></td>
</tr>
<tr>
<td>ServerType</td>
<td>Unique identifier of type of server (e.g., Pull Monitor, Archive, Distribution FTP, D3, 4MM TAPE)</td>
<td>varchar(20)</td>
<td>DsStConfigPara meter</td>
<td>DsStMedia, DsStServerType, DsStPreconfigure dStacker, DsStPreconfigure dDevice</td>
</tr>
<tr>
<td>Severity</td>
<td>Assessed degree of the error encountered.</td>
<td>char(1)</td>
<td>DsStErrorAttribute</td>
<td>F'(atal); E(rror); W(arning)</td>
</tr>
<tr>
<td>Site</td>
<td>Site to be Notified.</td>
<td>varchar(20)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>The measurement of the staging disk referenced in blocks.</td>
<td>int</td>
<td>DsStStagingDisk</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>The measurement of the staging disk referenced in blocks.</td>
<td>numeric(15)</td>
<td>DsStStagingDisk Request</td>
<td></td>
</tr>
<tr>
<td>SizeInMB</td>
<td>The total size of bytes in the distribution request.</td>
<td>float(8)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>Sleeptime</td>
<td>Duration in minutes to wait between retries (for Distribution and Ingest FTP) (e.g., 10).</td>
<td>smallint</td>
<td>DsStConfigParameter</td>
<td></td>
</tr>
<tr>
<td>SlotId</td>
<td>Number of slots within a stacker.</td>
<td>numeric(5)</td>
<td>DsStSlot, DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>SlotNumber</td>
<td>Indicates which slot of the available slots in the stacker hardware is being used (e.g., 1, 2, 3).</td>
<td>smallint</td>
<td>DsStSlot</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>Indicates on a retrieve request whether or Not the place where the server is looking for the file is Primary, Backup, or Offsite.</td>
<td>varchar(8)</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>SourceDiskTag</td>
<td>The location where files to be linked or copied exist.</td>
<td>varchar(255)</td>
<td>DsStStagingDisk Request</td>
<td></td>
</tr>
<tr>
<td>SourceDiskTag</td>
<td>The location where the link to copied files exists.</td>
<td>varchar(24)</td>
<td>DsStStagingDisk File</td>
<td></td>
</tr>
<tr>
<td>SourceFile</td>
<td>The name of the Unix file of the link.</td>
<td>varchar(255)</td>
<td>DsStStagingDisk File</td>
<td></td>
</tr>
<tr>
<td>SourceFileName</td>
<td>The name of the Unix file to be linked to.</td>
<td>varchar(200)</td>
<td>DsStStagingDisk Request</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
<td>------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>SourceFileName</td>
<td>The name of the Unix file to be linked to.</td>
<td>varchar(200)</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>SourceLocation</td>
<td>The location of the source files to be linked.</td>
<td>varchar(255)</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>SourceName</td>
<td>Input file name from science data server (SDSRV).</td>
<td>varchar(50)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>SourcePath</td>
<td>The Staging file path.</td>
<td>varchar(255)</td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>SourcePath</td>
<td>The Unix path from which to copy or ftp a file.</td>
<td>varchar(255)</td>
<td>DsStFtpRequest</td>
<td></td>
</tr>
<tr>
<td>SourcePosition</td>
<td>A number indicating the current location in a list when the server is</td>
<td>int</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td></td>
<td>searching through volume groups. (Retrieve Request only)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SourceServerId</td>
<td>The serverid from the cache manager from, which to copy the file.</td>
<td>numeric(5)</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>SourceStagingDisk</td>
<td>The disktag from which to copy or ftp a file.</td>
<td>varchar(35)</td>
<td>DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>StackerId</td>
<td>Unique (Medium) type and (model) number of the stacker hardware</td>
<td>varchar(20)</td>
<td>DsStDevice</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(e.g., 4MMEXB218).</td>
<td></td>
<td>DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStSlot</td>
<td></td>
</tr>
<tr>
<td>StackerModel</td>
<td>The manufacture name and model for the stacker.</td>
<td>char(20)</td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dStacker</td>
<td></td>
</tr>
<tr>
<td>StackerNumber</td>
<td>An identifier for a Stacker such as &quot;Stacker1_OPS&quot;</td>
<td>varchar(10)</td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dStacker</td>
<td></td>
</tr>
<tr>
<td>StackerPath</td>
<td>Directory path of device or resource files used.</td>
<td>varchar(255)</td>
<td>DsStStacker</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsStPreconfigure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dStacker</td>
<td></td>
</tr>
<tr>
<td>StackerStatus</td>
<td>Indicates whether the stacker is online or offline.</td>
<td>smallint</td>
<td>DsStPreconfigure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>dStacker</td>
<td></td>
</tr>
<tr>
<td>StageDiskLienId</td>
<td>Unique identifier for the StagingDiskLien table</td>
<td>numeric(9)</td>
<td>DsStStagingDiskLien</td>
<td></td>
</tr>
<tr>
<td>Stage</td>
<td>On a batch delete request indicates the stage of processing of a file</td>
<td>Varchar(50)</td>
<td>DsStPendingDelete</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(i.e. Blank, Checkpointed, Submitted)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>StageDiskSize</td>
<td>The staging disk size.</td>
<td>float(8)</td>
<td>DsDdGranule</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DsDdFile</td>
<td></td>
</tr>
<tr>
<td>StagingBlockSize</td>
<td>The size of the blocks used for staging disk allocation.</td>
<td>int</td>
<td>DsStStagingDiskServer</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
<td>------------------------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>StartDate</td>
<td>Date and time at which a scheduled activity begins.</td>
<td>datetime</td>
<td>DsStBackup, DsStBackupHistory</td>
<td></td>
</tr>
<tr>
<td>StartTime</td>
<td>The start time of the distribution request.</td>
<td>varchar(255)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>The queue state of the distribution request. (i.e. Pending, Active, Shipped,...)</td>
<td>varchar(50)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>Indicates whether the file is in the cache or enroute to the cache.</td>
<td>varchar(16)</td>
<td>DsStCacheFile, DsStDeleteLogC</td>
<td></td>
</tr>
<tr>
<td>Status</td>
<td>The status for the distribution Request object.</td>
<td>varchar(50)</td>
<td>DsDdRequest</td>
<td></td>
</tr>
</tbody>
</table>
| Status         | 1) For Table: DsStConfigParameter. Status of server. Application software automatically sets to 'ONLINE' when server is brought up and 'OFFLINE'. (default) when brought down. **Note:** The associated column domain is "state."  
Valid Values:  
"ONLINE" ; "OFFLINE"  
2) For Table: DsStDevice. Status of server (e.g., "0" for ONLINE or "1" for OFFLINE).  
3) For Table: DsStSchedule. Status of server. Queued (initial), Complete, Inprogress, Reserved. **Note:** The associated column domain is "status." | varchar(12) | DsStPendingDelete | 0 (= online); 1 (=offline) |
<p>| StillStoring    | A flag indicating whether a file is presently being written to the cache.    | tinyint    | DsStBackup, DsStBackupHistory |                                                                            |
| Submitter      | Client who has sent the request.                                            | varchar(150) | DsStGenericRequest           |                                                                            |
| Suggestion     | Recommendation for handling recovery related to an experienced error (mnemonic). | varchar(12) | DsStErrorText                |                                                                            |
| TargetDisk     | The disktag of the disk to which staging disk request occur.                | varchar(255) | DsStStagingDiskRequest       |                                                                            |
| TargetFileName | The resulting file of the staging disk operation request.                   | varchar(200) | DsStStagingDiskRequest       |                                                                            |</p>
<table>
<thead>
<tr>
<th>COLUMN</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>TABLE</th>
<th>VALID VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>TargetFileName</td>
<td>The resulting file of the cache operation request.</td>
<td>varchar(200)</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>TargetPath</td>
<td>The Unix path to which cache copies are written.</td>
<td>varchar(255)</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>ThreadId</td>
<td>Unique identifier of a thread, which a request is assigned to.</td>
<td>int</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>ThreadLimit</td>
<td>Holds the limit for threads.</td>
<td>int</td>
<td>DsDdPriority</td>
<td></td>
</tr>
<tr>
<td>ThreadName</td>
<td>Holds the priority level for the thread.</td>
<td>varchar(12)</td>
<td>DsDdPriority</td>
<td></td>
</tr>
<tr>
<td>TotalCacheSpace</td>
<td>The overall size of the cache in blocks.</td>
<td>numeric(15)</td>
<td>DsStCache</td>
<td></td>
</tr>
<tr>
<td>TotalDrives</td>
<td>Total number of drives/devices available in this stacker (for Distribution and Ingest FTP, 4MM and 8MM Tapes) (e.g., 1, 2).</td>
<td>smallint</td>
<td>DsStStacker</td>
<td>DsStPreconfigureStacker</td>
</tr>
<tr>
<td>TotalRoSlots</td>
<td>Number of (cartridge) slots that are read-only.</td>
<td>smallint</td>
<td>DsStStacker</td>
<td>DsStPreconfigureStacker</td>
</tr>
<tr>
<td>TotalRwSlots</td>
<td>Number of (cartridge) slots that is read-write.</td>
<td>smallint</td>
<td>DsStStacker</td>
<td>DsStPreconfigureStacker</td>
</tr>
<tr>
<td>TotalSlots</td>
<td>Total number of slots available in this stacker (e.g., 10, 12, 20).</td>
<td>smallint</td>
<td>DsStStacker</td>
<td>DsStPreconfigureStacker</td>
</tr>
<tr>
<td>TotalStagingSpace</td>
<td>The overall size of the staging space in blocks available for the staging disk.</td>
<td>numeric(15)</td>
<td>DsStStagingDiskServer</td>
<td></td>
</tr>
<tr>
<td>TypeOperation</td>
<td>Examples: &quot;ArStore&quot;, &quot;ArRetrieve&quot;</td>
<td>varchar(16)</td>
<td>DsStGenericRequest</td>
<td></td>
</tr>
<tr>
<td>UncompressedFileSize</td>
<td>The uncompressed file size of the block space.</td>
<td>int</td>
<td>DsStCacheFile</td>
<td>DsStDeleteLogCacheFile</td>
</tr>
<tr>
<td>UsedFlag</td>
<td>A flag indicating whether a managed directory has been written to.</td>
<td>tinyint</td>
<td>DsStManagedCacheDir</td>
<td></td>
</tr>
<tr>
<td>UserName</td>
<td>The Unix username used to ftp.</td>
<td>varchar(50)</td>
<td>DsStCacheManagerRequest</td>
<td></td>
</tr>
<tr>
<td>UserProfile</td>
<td>Holds the profile ID.</td>
<td>varchar(50)</td>
<td>DsSTFtpRequest</td>
<td></td>
</tr>
<tr>
<td>UserString</td>
<td>Free text string supplied by the user. Returned in the Distribution Email message as &quot;UserString: &lt;supplied string&gt;&quot;</td>
<td>varchar(255)</td>
<td>DsDdParameterList</td>
<td></td>
</tr>
<tr>
<td>COLUMN</td>
<td>DESCRIPTION</td>
<td>TYPE</td>
<td>TABLE</td>
<td>VALID VALUES</td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------------------------------------------------------</td>
<td>-----------</td>
<td>---------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>VersionedDataType</td>
<td>The ESDT with the versionid appended to it used to specify a volume group.</td>
<td>varchar(24)</td>
<td>DsStPendingDelete DsStVolumeGroup</td>
<td></td>
</tr>
<tr>
<td>VHighThreads</td>
<td>Number of service threads in the pool allocated at the priority vhigh.</td>
<td>int</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
<tr>
<td>VolumeEndDate</td>
<td>Date and time the volume group use was completed.</td>
<td>datetime</td>
<td>DsStVolumeGroup</td>
<td></td>
</tr>
<tr>
<td>VolumeGroupId</td>
<td>(GOING AWAY)</td>
<td>numeric(9)</td>
<td>DsStCompressionStats DsStPendingDelete DsStVolumeGroup</td>
<td></td>
</tr>
<tr>
<td>VolumeGroupPath</td>
<td>Location of the files associated with the volume group (e.g., /amass/volumegroupone).</td>
<td>varchar(255)</td>
<td>DsStVolumeGroup</td>
<td></td>
</tr>
<tr>
<td>VolumeGroupSource</td>
<td>Original location of the volume group.</td>
<td>varchar(30)</td>
<td>DsStFile</td>
<td></td>
</tr>
<tr>
<td>VolumeStartDate</td>
<td>Date and time the volume group use was created.</td>
<td>datetime</td>
<td>DsStVolumeGroup</td>
<td></td>
</tr>
<tr>
<td>WarmStartCounter</td>
<td>The warmstart counter.</td>
<td>int</td>
<td>DsDdRequest</td>
<td></td>
</tr>
<tr>
<td>WorkingDirectory</td>
<td>Directory on local host used for media distribution.</td>
<td>varchar(50)</td>
<td>DsStMediaRequest</td>
<td></td>
</tr>
<tr>
<td>XpressThreads</td>
<td>Number of service threads in the pool allocated at the priority xpress.</td>
<td>int</td>
<td>DsStServiceThreadConfig</td>
<td></td>
</tr>
</tbody>
</table>

### 3.1.4 Column Domains

Domains specify the ranges of values allowed for a given table column. Sybase supports the definition of specific domains to further limit the format of data for a given column. Sybase domains are, in effect, user-defined data types. There are no domains defined for STMGT.

### 3.1.5 Column Default Values

Defaults are used to supply a value for a column when one is Not defined at row insert time. Defaults defined in Sybase for the STMGT Subsystem database are described herein.

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStCache.AvailableCacheSpace</td>
<td>0</td>
</tr>
<tr>
<td>DsStCacheFile.DeleteFlag</td>
<td>&quot;N&quot;</td>
</tr>
<tr>
<td>DsStGenericRequest.ErrorCode</td>
<td>0</td>
</tr>
<tr>
<td>DsStGenericRequest.ReqMgrNotified</td>
<td>0</td>
</tr>
<tr>
<td>DsStManagedCacheDir.UsedFlag</td>
<td>0</td>
</tr>
<tr>
<td>Column Name</td>
<td>Default Value</td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>DsStPreconfiguredStacker.OnlineDrives</td>
<td>0</td>
</tr>
<tr>
<td>DsStPreconfiguredStacker.OnlineSlots</td>
<td>0</td>
</tr>
<tr>
<td>DsStPreconfiguredStacker.TotalDrives</td>
<td>0</td>
</tr>
<tr>
<td>DsStPreconfiguredStacker.TotalRoSlots</td>
<td>0</td>
</tr>
<tr>
<td>DsStPreconfiguredStacker.TotalRwSlots</td>
<td>0</td>
</tr>
<tr>
<td>DsStPreconfiguredStacker.StackerStatus</td>
<td>1</td>
</tr>
<tr>
<td>DsStStacker.OnlineDrives</td>
<td>0</td>
</tr>
<tr>
<td>DsStStacker.OnlineSlots</td>
<td>0</td>
</tr>
<tr>
<td>DsStStacker.TotalDrives</td>
<td>0</td>
</tr>
<tr>
<td>DsStStacker.TotalRoSlot</td>
<td>0</td>
</tr>
<tr>
<td>DsStStacker.TotalRwSlot</td>
<td>0</td>
</tr>
<tr>
<td>DsStStagingDisk.Retention</td>
<td>48</td>
</tr>
</tbody>
</table>

### 3.1.6 Referential Integrity Rules

Sybase supports the definitions of rules. Rules provide a means for enforcing domain constraints on a given column. There are No rules defined in Sybase for the STMGT and DDIST.

### 3.1.7 Views

Sybase allows the definition of views as a means of limiting an application or users access to data in a table or tables. Views create a logical table from columns found in one or more tables. Currently, there are No views defined for the STMGT and DDIST Subsystem database.

### 3.1.8 Declarative Integrity Constraints

Sybase allows the enforcement of referential integrity via the use of declarative integrity constraints. Integrity constraints allow the SQL server to enforce primary and foreign key integrity checks automatically without requiring programming. Sybase is ANSI-92 compliant, therefore, its constraints support "restrict-only" operations. This means that a row cannot be deleted or updated if there are rows in other tables having a foreign key dependency on that row. Cascade delete and update operations cannot be performed if a declarative integrity constraint has been used. Declarative integrity constraints used in the STMGT and DDIST Subsystem database are found here. Referential integrity is also maintained through use of user-defined triggers and procedures.

### 3.1.8.1 Dependencies on Table: DsDdGranule

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsDdFile</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td></td>
<td>GranuleId</td>
<td>GranuleId</td>
</tr>
</tbody>
</table>
### 3.1.8.2 Dependencies on Table: DsDdParameterList

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsDdRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
</tbody>
</table>

### 3.1.8.3 Dependencies on Table: DsDdRequest

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsDdGranule</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStRequestMedia</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsDdParameterList</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
</tbody>
</table>

### 3.1.8.4 Dependencies on Table: DsStCache

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStCacheFile</td>
<td>CacheId, FileName</td>
<td>CacheId</td>
</tr>
<tr>
<td>DsStNotification</td>
<td>CacheId</td>
<td>CacheId</td>
</tr>
<tr>
<td>DsStManagedCacheDir</td>
<td>CacheId, DirectoryId</td>
<td>CacheId</td>
</tr>
</tbody>
</table>

### 3.1.8.5 Dependencies on Table: DsStCache

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStCacheFile</td>
<td>CacheId, FileName</td>
<td>CacheId</td>
</tr>
<tr>
<td>DsStManagedCacheDir</td>
<td>CacheId, DirName</td>
<td>CacheId</td>
</tr>
</tbody>
</table>

### 3.1.8.6 Dependencies on Table: DsStCacheFile

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStFileInfo</td>
<td>CacheId, UniqueFileName</td>
<td>CacheId, FileName</td>
</tr>
<tr>
<td>DsStFileLien</td>
<td>CacheId, FileName, OwnerName</td>
<td>CacheId, FileName</td>
</tr>
<tr>
<td>DsStFileLink</td>
<td>CacheId, DirName, FileName, LinkName</td>
<td>CacheId, FileName</td>
</tr>
</tbody>
</table>
### 3.1.8.7 Dependencies on Table: DsStConfigParameter

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStCache</td>
<td>Cacheld</td>
<td>Serverld</td>
</tr>
<tr>
<td>DsStFile</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
<tr>
<td></td>
<td>FileIndex</td>
<td>VolumeGroupId</td>
</tr>
<tr>
<td>DsStFtpServer</td>
<td>Serverld</td>
<td>Serverld</td>
</tr>
<tr>
<td>DsStMediaServer</td>
<td>Serverld</td>
<td>Serverld</td>
</tr>
<tr>
<td>DsStArchiveServer</td>
<td>Serverld</td>
<td>Serverld</td>
</tr>
<tr>
<td>DsStStagingDiskServer</td>
<td>Serverld</td>
<td>Serverld</td>
</tr>
<tr>
<td>DsStServiceThreadConfig</td>
<td>PoolType</td>
<td>Serverld</td>
</tr>
<tr>
<td></td>
<td>Serverld</td>
<td></td>
</tr>
</tbody>
</table>

### 3.1.8.8 Dependencies on Table: DsStDevice

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStMediaRequest</td>
<td>RPCId</td>
<td>MediaId</td>
</tr>
<tr>
<td></td>
<td></td>
<td>StackerId</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ServerId</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DeviceName</td>
</tr>
</tbody>
</table>

### 3.1.8.9 Dependencies on Table: DsStErrorAttribute

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStFile</td>
<td>RPCId</td>
<td>ErrorCode</td>
</tr>
<tr>
<td></td>
<td>FileIndex</td>
<td></td>
</tr>
<tr>
<td>DsStEventLog</td>
<td>EventLogId</td>
<td>EventNumber</td>
</tr>
<tr>
<td>DsStGenericRequest</td>
<td>RPCId</td>
<td>ErrorCode</td>
</tr>
<tr>
<td>DsStMediaServerContacted</td>
<td>RPCId</td>
<td>ErrorCode</td>
</tr>
<tr>
<td></td>
<td>ServerId</td>
<td></td>
</tr>
<tr>
<td>DsStCancelledRequest</td>
<td>RPCId</td>
<td>ErrorCode</td>
</tr>
<tr>
<td></td>
<td>ServerId</td>
<td></td>
</tr>
</tbody>
</table>

### 3.1.8.10 Dependencies on Table: DsStErrorText

**Reference by List**

<table>
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<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStErrorAttribute</td>
<td>ErrorCode</td>
<td>ErrorCode</td>
</tr>
</tbody>
</table>

### 3.1.8.11 Dependencies on Table: DsStFile

**Reference by List**

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<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStArchiveFileRequest</td>
<td>RPCId</td>
<td>OriginalRPCId</td>
</tr>
<tr>
<td></td>
<td>FileIndex</td>
<td></td>
</tr>
</tbody>
</table>
3.1.8.12 Dependencies on Table: DsStGenericRequest

Reference by List

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStCacheManagerRequest</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
<tr>
<td>DsStFtpRequest</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
<tr>
<td>DsStPrintRequest</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
<tr>
<td>DsStArchiveRequest</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
<tr>
<td>DsStDependentRequest</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
<tr>
<td>DsStArchiveFileRequest</td>
<td>RPCId</td>
<td>RPCId</td>
</tr>
</tbody>
</table>

3.1.8.13 Dependencies on Table: DsStManagedCacheDir

Reference by List

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStFileLink</td>
<td>CacheId, DirName, FileName, LinkName</td>
<td>CacheId, DirName</td>
</tr>
</tbody>
</table>

Additionally, stored procedures identified in the PDL section will be added to the 311.

3.1.8.14 Dependencies on Table: DsStConfigParameter

Reference by List

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
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<tr>
<td>DsStDevice</td>
<td>ServerId</td>
<td>ServerId</td>
</tr>
<tr>
<td>DsStVolumeGroup</td>
<td>ServerId</td>
<td>ServerId</td>
</tr>
<tr>
<td>DsStSchedule</td>
<td>ServerId</td>
<td>ServerId</td>
</tr>
</tbody>
</table>

3.1.8.15 Dependencies on Table: DsStDevice

Reference by List

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<tr>
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<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStSchedule</td>
<td>DeviceName</td>
<td>DeviceName</td>
</tr>
<tr>
<td>DsStDeviceTape</td>
<td>DeviceName</td>
<td>DeviceName</td>
</tr>
</tbody>
</table>

3.1.8.16 Dependencies on Table: DsStErrorText

Reference by List

<table>
<thead>
<tr>
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<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStErrorAttribute</td>
<td>Mnemonic</td>
<td>Mnemonic</td>
</tr>
</tbody>
</table>

3.1.8.17 Dependencies on Table: DsStFtpRequest

Reference by List
<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
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<tr>
<td>DsStDistributedFile</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
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</table>

### 3.1.8.18 Dependencies on Table: DsStGenericRequest

Reference by List

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStArchiveRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStFtpRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStStgMonRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
</tbody>
</table>

### 3.1.8.19 Dependencies on Table: DsStGenericRequest

Reference by List

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStArchiveRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStFtpRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStStgMonRequest</td>
<td>RequestId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStInvalidRequests</td>
<td>RpcId</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStDependency</td>
<td>DependentRpc</td>
<td>RequestId</td>
</tr>
<tr>
<td>DsStDependency</td>
<td>ActiveRpc</td>
<td>RequestId</td>
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### 3.1.8.20 Dependencies on Table: DsStStagingDisk

Reference by List

<table>
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<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStStagingDiskFile</td>
<td>DiskTag, Filename</td>
<td>DiskTag</td>
</tr>
<tr>
<td>DsStStagingDiskLien</td>
<td>DiskTag, OwnerName</td>
<td>DiskTag</td>
</tr>
</tbody>
</table>

### 3.1.8.21 Dependencies on Table: DsStStagingDiskRequest

Reference by List

<table>
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<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStStagingDisk</td>
<td>RequestId</td>
<td>DiskTag</td>
</tr>
</tbody>
</table>

Additionally, stored procedures identified in the PDL section will be added to the 311.

### 3.1.8.22 Dependencies on Table: DsStOffsite

Reference by List
### 3.1.8.23 Dependencies on Table: DsStServerType

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStConfigParameter</td>
<td>ServerType</td>
<td>ServerType</td>
</tr>
</tbody>
</table>

### 3.1.8.24 Dependencies on Table: DsStSlot

**Reference by List**

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<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStSchedule</td>
<td>StackerId SlotNumber</td>
<td>StackerId SlotNumber</td>
</tr>
</tbody>
</table>

### 3.1.8.25 Dependencies on Table: DsStStacker

**Reference by List**

<table>
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<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStDevice</td>
<td>StackerId</td>
<td>StackerId</td>
</tr>
<tr>
<td>DsStSlot</td>
<td>StackerId</td>
<td>StackerId</td>
</tr>
<tr>
<td>DsStSchedule</td>
<td>StackerId</td>
<td>StackerId</td>
</tr>
<tr>
<td>DsStStackerGroup</td>
<td>StackerId</td>
<td>StackerId</td>
</tr>
</tbody>
</table>

### 3.1.8.27 Dependencies on Table: DsStVolumeGroup

**Reference by List**

<table>
<thead>
<tr>
<th>Referenced by</th>
<th>Primary Key</th>
<th>Foreign Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsStOffsite</td>
<td>ServerId VolumeGroupName VolumeStartDate</td>
<td>ServerId VolumeGroupName VolumeStartDate</td>
</tr>
</tbody>
</table>

### 3.1.9 Triggers

Sybase supports the enforcement of business rules via the use of triggers. A trigger is best defined as a set of activities or checks that should be performed automatically whenever a row is inserted, updated, or deleted from a given table. Sybase version allows the definition of insert, update, and delete triggers at the table level. A summary listing of the triggers in the STMGT Subsystem database are given in Table 3-58 along with the database table it is associated with and a brief description of the purpose for the trigger. A listing of the code follows this listing.
Table 3-58. Summary List of Triggers

<table>
<thead>
<tr>
<th>Table</th>
<th>Trigger</th>
<th>User Defined</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsDdRequest</td>
<td>DsDdRDeleteTrig</td>
<td>Yes</td>
<td>DsDdRequest table delete trigger</td>
</tr>
<tr>
<td>DsStBackup</td>
<td>DsStBDeleteTrig</td>
<td>Yes</td>
<td>Delete trigger on the DsStBackup table that logs deletions to aNother table using a cursor if DELETE has more than 1 row. TABLES ACCESSED: DsStBackup DsStBackupHistory RETURNS: Status (Success = 0)</td>
</tr>
<tr>
<td>DsStCacheFile</td>
<td>DsStCFInsertTrig</td>
<td>Yes</td>
<td>Insert trigger for the DsStCacheFile table. This trigger will update AvailableCacheSpace in DsStConfigParameter. TABLES ACCESSED: DsStConfigParameter RETURNS: Status (Success = 0)</td>
</tr>
</tbody>
</table>

3.1.10 Stored Procedures

Sybase also supports business rules via the use of stored procedures. Stored procedures are typically used to capture a set of activities or checks that will be performed on the database repeatedly to enforce business rules and maintain data integrity. Stored procedures are parsed and compiled SQL code that reside in the database and may be called by name by an application, trigger or another stored procedure. A summary list of the stored procedures in the STMGT Subsystem database are given in Table 3-59 followed by listings of the code.

Table 3-59. Summary List of Procedures (1 of 9)

<table>
<thead>
<tr>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>DsDdFDelete</td>
</tr>
<tr>
<td>DsDdFInsert</td>
</tr>
<tr>
<td>DsDdFSelectAll</td>
</tr>
<tr>
<td>DsDdFSelectAllFiles</td>
</tr>
<tr>
<td>DsDdFSelectByReqGranSrc</td>
</tr>
<tr>
<td>DsDdFUpdate</td>
</tr>
<tr>
<td>DsDdGDelete</td>
</tr>
<tr>
<td>DsDdGInsert</td>
</tr>
<tr>
<td>DsDdGSelectAll</td>
</tr>
<tr>
<td>DsDdGSelectAllGranules</td>
</tr>
<tr>
<td>DsDdGSelectByReqGran</td>
</tr>
<tr>
<td>DsDdGUpdate</td>
</tr>
<tr>
<td>DsDdGLAuxUpdate</td>
</tr>
<tr>
<td>NAME</td>
</tr>
<tr>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>DsDdPLDelete</td>
</tr>
<tr>
<td>DsDdPLInsert</td>
</tr>
<tr>
<td>DsDdPLSelectAll</td>
</tr>
<tr>
<td>DsDdPLSelectByReq</td>
</tr>
<tr>
<td>DsDdPLUpdate</td>
</tr>
<tr>
<td>DsDdPTDelete</td>
</tr>
<tr>
<td>DsDdPTGetLimit</td>
</tr>
<tr>
<td>DsDdPTInsert</td>
</tr>
<tr>
<td>DsDdPTSetLimit</td>
</tr>
<tr>
<td>DsDdRDelete</td>
</tr>
<tr>
<td>DsDdRInsert</td>
</tr>
<tr>
<td>DsDdRSelectAll</td>
</tr>
<tr>
<td>DsDdRSelectAllReq</td>
</tr>
<tr>
<td>DsDdRSelectByRequestld</td>
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<tr>
<td>DsDdRSelectByState</td>
</tr>
<tr>
<td>DsDdRSelectByTape</td>
</tr>
<tr>
<td>DsDdRSelectTape</td>
</tr>
<tr>
<td>DsDdRTSelectByReq</td>
</tr>
<tr>
<td>DsDdRUpdate</td>
</tr>
<tr>
<td>DsDdRUpdateOrdState</td>
</tr>
<tr>
<td>DsDdRUpdateState</td>
</tr>
<tr>
<td>DsDdSGInsert</td>
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<tr>
<td>DsDdSGSelectAll</td>
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<tr>
<td>DsDdSGUpdateGenValue</td>
</tr>
<tr>
<td>DsStAFRInsert</td>
</tr>
<tr>
<td>DsStAFRSelect</td>
</tr>
<tr>
<td>DsStARGetNextReadRequest</td>
</tr>
<tr>
<td>DsStARGetNextRequest</td>
</tr>
<tr>
<td>DsStARGetNextWriteRequest</td>
</tr>
<tr>
<td>DsStARInsert</td>
</tr>
<tr>
<td>DsStARSelectByRPCId</td>
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<tr>
<td>DsStASSelectByServerId</td>
</tr>
<tr>
<td>DsStBDelete</td>
</tr>
<tr>
<td>DsStBDeleteComplete</td>
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<tr>
<td>DsStBInsert</td>
</tr>
<tr>
<td>DsStBSelect</td>
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<tr>
<td>DsStBSelectByName</td>
</tr>
<tr>
<td>DsStBUdpBackupStageAndStatus</td>
</tr>
<tr>
<td>DsStBUdpOffsiteStageAndStatus</td>
</tr>
<tr>
<td>DsStBUdpUpdatePriority</td>
</tr>
<tr>
<td>DsStBUdpUpdateStillStoring</td>
</tr>
<tr>
<td>NAME</td>
</tr>
<tr>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>DsStCFSelectByCacheId</td>
</tr>
<tr>
<td>DsStCMCreateManDir</td>
</tr>
<tr>
<td>DsStCMDeleteByOwner</td>
</tr>
<tr>
<td>DsStCMDeleteCache</td>
</tr>
<tr>
<td>DsStCMDeleteExpiredLiens</td>
</tr>
<tr>
<td>DsStCMDeleteFile</td>
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<tr>
<td>DsStCMGetNextRequest</td>
</tr>
<tr>
<td>DsStCMIsCached</td>
</tr>
<tr>
<td>DsStCMIsLinked</td>
</tr>
<tr>
<td>DsStCMLinkToCache</td>
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<tr>
<td>DsStCMMakeSpace</td>
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<td>DsStCMMarkDeleted</td>
</tr>
<tr>
<td>DsStCMRInsert</td>
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<td>DsStCMRRoute</td>
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<td>DsStCMRSelect</td>
</tr>
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<td>DsStCMRUpdate</td>
</tr>
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<td>DsStCMRUpdateByOper</td>
</tr>
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<td>DsStCMReleaseLien</td>
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<td>DsStCMRemoveLink</td>
</tr>
<tr>
<td>DsStCMRemoveManDir</td>
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<td>DsStCMReserveFile</td>
</tr>
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<td>DsStCMSelectCache</td>
</tr>
<tr>
<td>DsStCMSelectCacheDirs</td>
</tr>
<tr>
<td>DsStCMSelectCacheFile</td>
</tr>
<tr>
<td>DsStCMSelectCacheFiles</td>
</tr>
<tr>
<td>DsStCMSelectCacheId</td>
</tr>
<tr>
<td>DsStCMSelectCacheLinks</td>
</tr>
<tr>
<td>DsStCMSelectExpiredDirs</td>
</tr>
<tr>
<td>DsStCMSelectExpiredLinks</td>
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<td>DsStCMSelectFiles</td>
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<td>DsStCMSelectNextJob</td>
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<td>DsStCMSelectNextRequest</td>
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<tr>
<td>DsStCMSelectNextRequestByOper</td>
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<td>DsStCMUnMarkDeleted</td>
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<td>DsStCMUpdateFileSize</td>
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<td>DsStCMUpdateFileState</td>
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<td>DsStCMUpdateLastAccess</td>
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<tr>
<td>DsStCPDelete</td>
</tr>
<tr>
<td>DsStCPGetLocalStagDiskServer</td>
</tr>
</tbody>
</table>
### Table 3-59. Summary List of Procedures (4 of 9)

<table>
<thead>
<tr>
<th>NAME</th>
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</thead>
<tbody>
<tr>
<td>DsStCPInsert</td>
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<td>DsStCPInsertArchiveServer</td>
</tr>
<tr>
<td>DsStCPInsertCacheMgrServer</td>
</tr>
<tr>
<td>DsStCPInsertFtpServer</td>
</tr>
<tr>
<td>DsStCPInsertMediaServer</td>
</tr>
<tr>
<td>DsStCPInsertStagingDiskServer</td>
</tr>
<tr>
<td>DsStCPRegisterServer</td>
</tr>
<tr>
<td>DsStCPSelect</td>
</tr>
<tr>
<td>DsStCPSelectById</td>
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<tr>
<td>DsStCPSelectByName</td>
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<td>DsStCPSelectByType</td>
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<td>DsStCPSelectServerId</td>
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<td>DsStCPSelectServerIdByTypeHWCI</td>
</tr>
<tr>
<td>DsStCUncRegisterServer</td>
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<td>DsStCUpdate</td>
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<td>DsStCSelectByServerId</td>
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<td>DsStDIsDeviceAllocated</td>
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<td>DsStDSelectByDeviceName</td>
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<td>DsStDSelectByMediaId</td>
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Table 3-59. *Summary List of Procedures (8 of 9)*

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### Table 3-59. Summary List of Procedures (9 of 9)

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### 3.2 Flat File Usage

A flat file is an operating system file that is written and subsequently read serially, generally independent of other files that exist, and usually static in nature. There are cases when the implementation of persistent data is better suited to a flat file than to a database (e.g., system configuration data, external interface data). There are no flat files used by the STMGT/DDIST Subsystems. Configuration information is stored in the STMGT and DDIST database. Additional configuration information may be found in the configuration registry.

#### 3.2.1 File Descriptions

Not Applicable

#### 3.2.2 Field Specifications

Not Applicable

#### 3.2.3 Domain Definitions

Not Applicable
4. Performance and Tuning Factors

4.1 Indexes

An index provides a means of locating a row in a database table based on the value of a specific column(s), without having to scan all data in the table. When properly implemented, indexes can significantly decrease the time it takes to retrieve data, thereby increasing performance. Sybase allows the definition of two types of indexes, clustered and non-clustered.

In a clustered index, the rows in a database table are physically stored in sequence-determined by the index. Clustered indexes are particularly useful, when the data is frequently retrieved in sequential order. Only one clustered index may be defined per table.

Non-clustered indexes differ from their clustered counterpart, in that, data is not physically stored in sorted order, newly added rows are stored at the end of the related database table.

A key of the types of indexes found in STMGT is provided in Table 4-1 Index Type Key. A list a description of each of the defined indexes is given in Table 4-2 Index List.

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<td>ASC</td>
</tr>
<tr>
<td>DsStVolumeGroup</td>
<td>sk_dsstsvserverid</td>
<td>serverid</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>ASC</td>
</tr>
<tr>
<td>EcdDbDatabaseVersions</td>
<td>pk_ecdbversions</td>
<td>ecdbschemaversionid, ecdbdropversion</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td>ASC</td>
</tr>
</tbody>
</table>

### Table 4-3. Segment Descriptions

<table>
<thead>
<tr>
<th>Segment Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>default</td>
<td>Default data segment used if no other segment specified in the create statement.</td>
</tr>
<tr>
<td>logsegment</td>
<td>SYSLOGS, Transaction Logs</td>
</tr>
<tr>
<td>systemsegment</td>
<td>System tables and indexes.</td>
</tr>
</tbody>
</table>

### 4.2 Caches

A cache is a block of memory that is used by Sybase to retain and manage pages that are currently being processed. By default, each database contains three caches:

- **Data cache** – retains most recently accessed data and index pages
- **Procedure cache** – retains most recently accessed stored procedure pages
- **User transaction log cache** – transaction log pages that have not yet been written to disk for each user

The size of each of these default caches is a configurable item which must be managed on a per DAAC basis. These caches may be increased or decreased by the DAAC DBA as needed.

The data cache can be further subdivided into named caches. A named cache is a block of memory that is named and used by the DBMS to store data pages for select tables and/or indexes. Assigning a database table to named cache causes accessed pages to be loaded into memory and retained. The named cache does not need to be allocated to accommodate the entire database table since the DBMS manages the cache according to use. Named caches greatly...
increase performance by eliminating the time associated for disk input and output (I/O). There are No named caches that are currently defined for the STMGTSbsystem database. Named caches may be defined as the memory usage of the STMGT database becomes better known and the DAACs move into an operational environment. As named caches are defined this portion of the document will be updated.
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5. Database Security

5.1 Approach

The database security discussed within this section is bounded to security implementation within the Sybase SQL Server DBMS. A Sybase general approach to security is adopted as illustrated in Figure 5-1.

The client (user) requires a SQL Server login to access the DBMS. The login is assigned to a user with certain related permissions for gaining access to particular objects (e.g., database tables, views, commands) within the database. The System Administrator may grant or revoke objects permissions for a login individually or based on defined group or roles.

Groups are a means of logically associating users with similar data access needs. Once a group has been defined, object and command permissions can be granted to that group. A user who is member of a group inherits all of the permissions granted to that group. No groups have been initially defined in the STMGT Subsystem “default database. The DAACs should define

---

Figure 5-1. Sybase General Approach to SQL Server Security

1 Reference Sybase Student Guide: Advanced SQL Server Administration.
database groups to support the database security requirements of their individual DAACs. Security for local DAAC users should be controlled by assigning each user to the appropriate group.

Roles were introduced in Sybase to allow a structured means for granting users the permissions needed to perform standard database administration activities and also provide a means for easily identifying such users. There are six pre-defined roles that may be assigned to a user. A definition of each of these roles follows, as well as a description of the types of activities that may be performed by each role.

**System Administrator** (*sa_role*): This role is used to grant a specific user permissions needed to perform standard system administrator duties including:

- installing **SQL server and specific SQL server modules**
- managing the allocation of physical storage
- tuning configuration parameters
- creating databases

**Site Security Officer** (*sso_role*): This role is used to grant a specific user the permissions needed to maintain SQL server security including:

- adding server logins
- administrating passwords
- managing the audit system
- granting users all roles except the *sa_role*

**Operator** (*oper_role*): This role is used to grant a specific user the permissions needed to perform standard functions for the database including:

- dumping transactions and databases
- loading transactions and databases

**Navigator** (*navigator_role*): This role is used to grant a specific user the permissions needed to manage the navigation server.

**Replication** (*replication_role*): This role is used to grant a specific user the permissions needed to manage the replication server.

**Sybase Technical Support** (*sybase_ts_role*): This role is used to grant a specific user the permissions needed to execute *database consistency checker (dbcc)*, a Sybase supplied utility supporting commands that are Normally outside of the realm of routine system administrator activities.

The DAACs should review these roles and assign them to the appropriate login and/or groups.
5.2 Login/Group Object Permissions

During initial database installation logins used by the ECS custom code were created and permissions assigned for access to the STMGT Subsystem database. In addition, special database installation login, stmg_role, was created to support database installation needs. For each login, the level of access is limited to that associated with their login, group or assigned group/role. Object Permissions are set within the installation scripts of the STMGT Subsystem for each object and group/role.

Permissions are identified in Table 5-1. A specification of the object permissions is contained in Table 5-2.

### Table 5-1. Permission Key

<table>
<thead>
<tr>
<th>Permission</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>All</td>
</tr>
<tr>
<td>S</td>
<td>Select</td>
</tr>
<tr>
<td>I</td>
<td>Insert</td>
</tr>
<tr>
<td>U</td>
<td>Update</td>
</tr>
<tr>
<td>D</td>
<td>Delete</td>
</tr>
<tr>
<td>E</td>
<td>Execute</td>
</tr>
</tbody>
</table>

### Table 5-2. Group Specifications

<table>
<thead>
<tr>
<th>Group/Role</th>
<th>SYBASE LOGIN</th>
<th>Object</th>
<th>A</th>
<th>S</th>
<th>I</th>
<th>U</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>software</td>
<td>EcDsDdistGui</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsDistributionServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsSt4MMSServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsSt8MMSServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStArchiveServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStCDROMServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStd3Server</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStFtpDisServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStIngestFtpServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStPrintServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStPullMonitorServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStStagingDiskServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>software</td>
<td>EcDsStStagingMonitorServer</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NONE</td>
<td>sa</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sa_role</td>
<td>stmgt_role</td>
<td>All</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6. Scripts

Script files in this section may be found in the directory /ecs/formal/DSS/stmgmt/src/database.

6.1 Installation Scripts

Any scripts used to support installation of the STMGT Subsystem database are described in Table 6-1.

Table 6-1. Installation Scripts

<table>
<thead>
<tr>
<th>Script File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EcDsStDbLogin</td>
<td>Adds unix Logins pre-defined for STMGT applications to the SQL server.</td>
</tr>
<tr>
<td>EcDsStDbUser</td>
<td>Adds user IDs pre-defined for STMGT applications to the SQL Server.</td>
</tr>
<tr>
<td>EcDsStDbBuild</td>
<td>Create and empty database and pre-loads initialization data.</td>
</tr>
<tr>
<td>EcDsStDbPatch</td>
<td>Upgrades a Release 4.0 Drop 4P database to Drop 4PL.</td>
</tr>
</tbody>
</table>

6.2 De-Installation Scripts

No de-installation scripts are provided for the STMGT subsystem database.

6.3 Backup and Recovery Scripts

Any scripts used to facilitate backup or recovery of the STMGT Subsystem database are described in Table 6-2.

Table 6-2. Backup and Recovery Scripts

<table>
<thead>
<tr>
<th>Script File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EcDsStDbDump</td>
<td>Dumps the database to a backup device</td>
</tr>
<tr>
<td>EcDsStDbLoad</td>
<td>Restores the database from a backup copy.</td>
</tr>
</tbody>
</table>

6.4 Miscellaneous Scripts

There are no miscellaneous scripts applicable to the STMGT Subsystem.
Appendix A. Storage Management Entity Relationship Diagrams
Figure A-1. Data Distribution (DDist)
Figure A-2. Archive Services
Figure A-3. Cache Management
<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Constraint</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPCId</td>
<td>varchar(175)</td>
<td>not null</td>
<td></td>
</tr>
<tr>
<td>Username</td>
<td>varchar(50)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>EncryptedPass</td>
<td>varchar(50)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>Host</td>
<td>varchar(64)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>SourcePath</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>DestinationPath</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>ExternalRequestld</td>
<td>varchar(50)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>FileName</td>
<td>varchar(200)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>FileSize</td>
<td>int</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>Expiration</td>
<td>datetime</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>RequestDirectoryld</td>
<td>numeric(9)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>PullHost</td>
<td>varchar(64)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>PullServerId</td>
<td>numeric(5)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>LoopIndex</td>
<td>int</td>
<td>null</td>
<td></td>
</tr>
</tbody>
</table>

**Figure A-4. FTP Services**
Figure A-5. Media Operations
Figure A-6. Request Handling
Figure A-7. Request Operations
Figure A-8. Server Configuration
Figure A-9. Staging Disk Operations
Figure A-10. Database Versioning Information

<table>
<thead>
<tr>
<th>EcDbDatabaseVersionId</th>
<th>smallint</th>
<th>&lt;pk&gt;</th>
<th>not null</th>
</tr>
</thead>
<tbody>
<tr>
<td>EcDbDropVersion</td>
<td>char(64)</td>
<td>&lt;pk&gt;</td>
<td>not null</td>
</tr>
<tr>
<td>EcDbDropDescription</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>EcDbCurrentVersionFlag</td>
<td>char(1)</td>
<td></td>
<td>null</td>
</tr>
<tr>
<td>EcDbDatabaseName</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>EcDbDropInstallDate</td>
<td>datetime</td>
<td></td>
<td>null</td>
</tr>
<tr>
<td>EcDbSybaseVersion</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>EcDbSybaseServer</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>EcDbComments</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
<tr>
<td>EcDbUpdateProcess</td>
<td>varchar(255)</td>
<td>null</td>
<td></td>
</tr>
</tbody>
</table>

Figure A-11. GRCleanup

<table>
<thead>
<tr>
<th>DsStTempGR</th>
<th>RPCId</th>
<th>varchar(175)</th>
<th>not null</th>
</tr>
</thead>
</table>
### Abbreviations and Acronyms

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI</td>
<td>American National Standards Institute</td>
</tr>
<tr>
<td>ASCII</td>
<td>American Standard Code for Information Exchange</td>
</tr>
<tr>
<td>CASE</td>
<td>Computer Aided Software Engineering</td>
</tr>
<tr>
<td>CD</td>
<td>Contractual delivery 213-001</td>
</tr>
<tr>
<td>CDRL</td>
<td>Contract data requirements list</td>
</tr>
<tr>
<td>CI</td>
<td>Configuration item</td>
</tr>
<tr>
<td>COTS</td>
<td>Commercial off-the-shelf (hardware or software)</td>
</tr>
<tr>
<td>CSCI</td>
<td>Computer software configuration item</td>
</tr>
<tr>
<td>DAAC</td>
<td>Distributed Active Archive Center</td>
</tr>
<tr>
<td>DBCC</td>
<td>Database Consistency Checker</td>
</tr>
<tr>
<td>DBMS</td>
<td>Database Management System</td>
</tr>
<tr>
<td>DCN</td>
<td>Document Change Notice</td>
</tr>
<tr>
<td>DID</td>
<td>Data item description</td>
</tr>
<tr>
<td>DMS</td>
<td>Data Management Subsystem</td>
</tr>
<tr>
<td>ECS</td>
<td>EOSDIS Core System</td>
</tr>
<tr>
<td>EDC</td>
<td>EROS Data Center</td>
</tr>
<tr>
<td>EDHS</td>
<td>ECS Data Handling System</td>
</tr>
<tr>
<td>EOSDIS</td>
<td>Earth Observing System Data and Information System</td>
</tr>
<tr>
<td>EROS</td>
<td>Earth Resources Observation System</td>
</tr>
<tr>
<td>ERD</td>
<td>Entity Relationship Diagram</td>
</tr>
<tr>
<td>ESDIS</td>
<td>Earth Science Data and Information System (GSFC)</td>
</tr>
<tr>
<td>ESDT</td>
<td>Earth science data types</td>
</tr>
<tr>
<td>ESN</td>
<td>EOSDIS Science Network (ECS)</td>
</tr>
<tr>
<td>FK</td>
<td>Foreign Key</td>
</tr>
<tr>
<td>GSFC</td>
<td>Goddard Space Flight Center</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphic user interface</td>
</tr>
<tr>
<td>HDF</td>
<td>Hierarchical data format</td>
</tr>
<tr>
<td>Acronym</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>HDF-EOS</td>
<td>an EOS proposed standard for a specialized HDF data format</td>
</tr>
<tr>
<td>HTML</td>
<td>HyperText Markup Language</td>
</tr>
<tr>
<td>HTTP</td>
<td>Hypertext Transport Protocol</td>
</tr>
<tr>
<td>I/O</td>
<td>input/output</td>
</tr>
<tr>
<td>ICD</td>
<td>interface control document</td>
</tr>
<tr>
<td>INGST</td>
<td>Ingest Services CSCI</td>
</tr>
<tr>
<td>IOS</td>
<td>Interoperability Subsystem</td>
</tr>
<tr>
<td>LaRC</td>
<td>Langley Research Center (DAAC)</td>
</tr>
<tr>
<td>MSS</td>
<td>Management Support Subsystem</td>
</tr>
<tr>
<td>N/A</td>
<td>Not applicable</td>
</tr>
<tr>
<td>NAS</td>
<td>National Academy of Science</td>
</tr>
<tr>
<td>NASA</td>
<td>National Aeronautics and Space Administration</td>
</tr>
<tr>
<td>NSIDC</td>
<td>National SNOW and Ice Data Center (DAAC)</td>
</tr>
<tr>
<td>ODL</td>
<td>Object Definition Language</td>
</tr>
<tr>
<td>PCF</td>
<td>Process Control File</td>
</tr>
<tr>
<td>PDF</td>
<td>Portable Document Format</td>
</tr>
<tr>
<td>PDPS</td>
<td>Planning and Data Processing Subsystem</td>
</tr>
<tr>
<td>PGE</td>
<td>Product Generation Executive</td>
</tr>
<tr>
<td>PK</td>
<td>Primary Key</td>
</tr>
<tr>
<td>QA</td>
<td>Quality Assurance</td>
</tr>
<tr>
<td>SDSRV</td>
<td>Science Data Server CSCI</td>
</tr>
<tr>
<td>SQL</td>
<td>Structured Query Language</td>
</tr>
<tr>
<td>STMGT</td>
<td>Storage Management Software CSCI</td>
</tr>
<tr>
<td>SUBSRV</td>
<td>Subscription Server</td>
</tr>
<tr>
<td>WWW</td>
<td>World Wide Web</td>
</tr>
</tbody>
</table>

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