

Appendix C. Java Archives

This appendix lists all ECS Java Archives in alphabetical order by subsystem. Each archive name is followed by a brief description of that archive. This is followed by a list of classes stored in the archive.

The first sentence of a class or interface description is taken from the comments, if any, in the code for that class.

It should be noted that this appendix contains archives that are in the Drop 6A.08 code as well as those that are in later Drops but may not be fully operative until the delivery of the future Drops.

Subsystem CLS

The Client Subsystem (CLS) provides a collection of components through which users access the services and data available in EOSDIS and other systems interoperable with EOSDIS. The Client Subsystem components fall into one of the following general categories: a) An intuitive desktop manager, which manages desktop objects (files) in the user's local file space, and which represent applications and data in the domain of the client; and b) Application programs accessible through user interfaces which implement the range of functionality available in the client.

java_archive EcCIWbJdt

The Java DAR Tool is a java-based web application accessed through a web browser. The Java DAR Tool does not require the use of DCE. The Netscape Enterprise Server is used to serve the web pages for the Java DAR Tool and the ODFRM. The Java DAR Tool handles user requests to acquire ASTER data from the satellite. The user specifies when and where the data is to be taken. The DAR is submitted to the ASTER GDS in Japan. In addition to the submission and modification of acquisition requests, the Java DAR Tool allows users to search the ASTER DAR database (via MOJO and the DAR Comm. Gateway) in order to examine the status of DARs (i.e., the number and quality of acquired scenes). DARs can be searched on a parameter basis or by their DAR Ids.

Java Classes

- AbstractCellEditor -- This class encapsulates the housekeeping chores required by the TableCellEditor.
- AbstractDataHandler -- AbstractDataHandler processes the mouse events for an Area Of Interest > or Area of Search > point selection.
- AbstractDrawing -- This abstract class is used to draw point series as defined by the implementing class.
- AbstractMapModel -- AbstractMapModel is an abstract class that provides the default implementation for most of the methods in the IMapModel interface.

- AbstractMessage -- AbstractMessage is an abstract class that defines the generic data message.
- AbstractMessageAdapter -- Abstract adapter to deliver *relevant* message data to interested party.
- AbstractMessageManager -- The MessageManager is a messaging service.
- AbstractRenderer -- This abstract class renders an IDrawing object.
- AbstractSceneFormatter -- This abstract class provides implementation of the methods in SceneVisitor Interface.
- AbstractSearchContents -- This abstract class provides implementation of the methods in SearchCriteria Interface.
- AbstractSearchCriteriaFormatter -- This abstract class provides implementation for methods in SearchCriteriaVisitor Interface.
- AbstractSpinnerModel -- This abstract class provides implementations for the methods in SpinnerModel Interface.
- AbstractTreeModel -- This abstract class provides default implementations for most of the methods in the TreeModel Interface.
- AbstractXARFormatter -- This abstract class provides implementation for the methods in XARVisitor Interface.
- AbstractXARSearchResultFormatter -- This abstract class provides implementation for the methods in XARSearchResultVisitor Interface.
- AcquiredScenes -- Simple container class to hold scenes within a XAR that has returned after performing a search.
- AcquiredScenesDialog -- AcquiredScenesDialog display the acquired scenes panel.
- AcquiredScenesPanel -- AcquiredScenesPanel creates the Table with the ScenesDataModel.
- ActionCommand -- The data object for GUI specifications.
- ActionCommandList -- The data object for a list of GUI Specifications.
- ActionsList -- ActionList\n EndOfActionList\n.
- Address -- This class provides the capability to specify the general request command to MOJO (such as JDTREQUEST, ADVERT, ADVERTDATA, etc.) and the JDT request type (such as SUBMITDAR, MODIFYDAR, etc.).
- AgentProxy -- This is an abstract class which implements the methods of AgentProxy Interface and DataServletListener.
- Aoi -- This class is a custom spatial data for DAR, which uses AbstractSpatialData's data.
- AoiDrawing -- This class is used to draw the Aoi polygon on Spatial Screen.
- AOIHandler -- AOIHandler processes the mouse event for the Area Of Interest > point selection.
- AoiOverlay -- Overlay request for AOI.

- AoiRenderer -- This class renders an AOI (Area of Interest) component.
- AoiViewBuilder -- AoiViewBuilder responsible for construction and connection of Aoi Viewer's components, the major components in Aoi Viewer are spatial map and scenes table.
- AoiViewerDialog -- Aoi ViewerDialog displays spatial map screen and a list of available DAR ID.
- Aos -- This class is a custom spatial data for Search, which uses AbstractSpatialData's data.
- AosDrawing -- This class is used to draw the Aos polygon on.
- AOSHandler -- AOSHandler processes mouse events for an Area Of Interest> point selection.
- AosOverlay -- Overlay request for AOS.
- AosRenderer -- This class renders an AOS (Area of Search) component.
- Attribute -- This class manages various aspects of an attribute - including its name, key, type, specifications, and so on.
- AttributeDataTypeException -- General purpose exception for attribute management in JDT.
- AttributeDictionary -- This class provides a capability to manage a set of attributes in an efficient manner.
- AttributeDictionaryBuilder -- This class reads the raw attributes from a file, parse the data to build an attribute, and then inserts the attribute in the attribute dictionary.
- AttributeException -- General purpose exception for attribute management in JDT.
- AttributeManager -- Formats and builds an attribute dictionary by parsing various components of an attribute.
- AttributeManagerTest -- This class provides drivers for testing the attribute management by reading the attribute data file and building the attribute dictionary both in stand alone and in client/server mode.
- AttributeMessage -- This class defines the data message for a particular attribute.
- AttributeNotFoundException -- This exception is used to indicate missing of Attributes while analyzing the data.
- AttributeParseException -- This exception is used to indicate any parsing problems while analyzing the attribute data after reading from a file.
- AttributeServlet -- A servlet to read attributes from a plain text file and then to create the attribute dictionary.
- AttributeSpecification -- This class provides the capability to store and manipulate various specifications for an attribute.
- AttributeSummaryScreen -- AttributeSummaryScreen displays and updates the XAR Attribute Selections and their values.
- AttributeValidationException -- General purpose exception for attribute management in JDT.
- BandComponent -- BandComponent is a wrapper class for selecting the bands.

- BoxRules -- This class provides implementation for the Validator Interface.
- BudgetRequestServlet -- Class description goes here.
- ButtonCellEditor -- This class enables a button to be pressed within a table and executes the action listeners and propagates the event from the button to the table.
- Capitalization -- This is a class having static methods to serve as utilities in development of other classes.
- Channel -- Channel is a topic channel.
- CheckboxButtonControls -- Checkbox Button Controls.
- CheckBoxCellEditor -- This class enables a checkbox to selected within a table and executes the action listeners and propagates the event from the button to the table.
- CheckBoxDataModel -- ScenesIDDataModel is a wrapper which gets sceneID and status from the ScenesDataModel.
- ColumnGroup -- This class defines the interface for handling a group of Columns in a table.
- ColumnHelper -- This class defines the methods helpful in handling the columns in a table.
- ColumnRange -- ColumnRange is used for setting the group of xar attributes' position in the table.
- ColumnSettings -- This class defines the interface to deal with the settings for columns in a table.
- CommonProjection -- These methods were converted from GCTP (General Cartographic Transformation Package) of the USGS Abstraction of map projection.
- CommunicationsManager -- CommunicationsManager is the implemenation of the network communication service.
- ComponentConstants -- This class holds declarations for all the constants.
- ComponentFactory -- This class provides capabilities to create new component/object, and to setup help and other resources to the created component.
- ConfigurationManager -- This class encapsulates the JDT configuration parameters in one place.
- ContextSensitiveHelpListener -- Handles the context-sensitive help.
- CoordConvert -- Converts a coordinate from a pixel to a projection and from some projection to a pixel.
- CopyDialog -- This is a file dialog that allows the user to select a folder to place a Node into.
- CoverageDetailsListener -- Class description goes here.
- CoverageDetailsScreen -- This class enables the user to enter the Coverage Details for a Data Aquisition Request.
- CoverageDetailsScreen -- This class enables the user to enter the Coverage Details for a Data Aquisition Request Search.
- CoverageDetailsSetting -- Request.

- CursorChanger -- Copyright (c) 1998, Raytheon Company, its vendors, and suppliers.
- CustomHeaderRenderer -- CustomHeaderRenderer renders the column header.
- CustomLabel -- This class is used to Customize the Label component.
- CustomMapRenderer -- CustomMapRenderer is map data renderer.
- CustomResultDataModel -- Tables, it accesses the XAR and the XARStatus objects to popular both tables.
- DarBudgetAgent -- This class is used to submit a request to find remaining DAR budget.
- DarIDComboBox -- This class implements the combo box for the Search by ID screen.
- DarIDComboBoxModel -- This class implements the combo box data model for the Search by ID screen.
- DarIDSearchScreen -- DarIDSearchScreen presents and collects special search setting data from the user.
- DarIDTable -- This is the Dar ID table.
- DarIDTableModel -- This is the Dar ID table model.
- DARIDUpdater -- Watcher class that keeps track of status messages from the Submission Agent.
- DataChangedEvent -- The Data Change event is used to communicate changes in the data acquisition request data hierarchy.
- DataChangedListener -- Data has been changed.
- DataInspector -- DataInspector takes the contents of a persistent object and displays the persistent attribute and value.
- DataReader -- This class is used to read the incoming data from a input file.
- DataWriter -- Creates a file for output and returns the BufferedWriter on demand.
- DateComponent -- The DateComponent class houses methods to create the component, add listeners and get and set the values of the month day and year.
- DateModel -- The DateModel class supplies the methods to set the bounds, get the months, days and years and the actions needed when the spinner is incremented or decremented.
- DateSpinner -- The DateSpinner class houses the methods to register listeners and the actions needed when focus is gained or lost in the numeric textfields.
- DateUtility -- The DateUtility class converts a String to a Calendar or a Calendar to a String.
- DayHour -- The DayHour class represents the data for a SpinnerModel containing only days and hours.
- DayHourComponent -- The DayHourComponent class houses methods to create the component, add listeners and get and set the values of the days and hours.
- DayHourModel -- The DayHourModel class supplies the methods to set the bounds, get the days and hours and the actions needed when the spinner is incremented or decremented.

- DayHourSpinner -- The DayHourSpinner class houses the methods to register listeners and the actions needed when focus is gained or lost in the numeric textfields.
- DebugMessage -- Debug message used by the Debugger.
- DefaultSpinnerModel -- This class defines the Default Observable Object or data.
- DefaultSpinnerRenderer -- This class implements SpinnerRenderer and FocusListener classes.
- DeleteNodeListener -- Removes the current node.
- DialogBuilder -- ToolBarBuilder responsible of directing the ToolBarMgr to build and connect the toolbar, it provides the access to other components for the ToolBarMgr to accomplish the connecting process.
- DialogGeometry -- This class defines the dimensions of the Dialog Box.
- DialogManager -- Manages dialog instances.
- DictionaryNotFoundException -- This is the exception thrown when the attribute dictionary is not found.
- DisplayBarMgr -- Manages the display bar.
- Distance -- This class provides methods to calculate distances between various points and area on the spatial screen.
- DownloadAgentProxy -- This class is extended from AgentProxy to send and Download Servlet objects.
- Downloader -- This class is used to Download messages and results.
- DownloadManager -- This class manages the Download of messages and results.
- DownloadMessage -- This class is used to Download Messages.
- DownloadODFRMServlet -- This class enables the user to launch ODFRM from JDT.
- DownloadSearchCriteriaServlet -- This class enables to send the search criteria to the server.
- DownloadXARSearchResultServlet -- This class enables the user to download Xar Results.
- DownloadXARServlet -- This class enables the user to download Xar Data.
- EditButton -- This class enables the various properties/functions of the Edit button.
- Editor -- This abstract class allows sub-classes to set modes for the screen.
- EmailSearchFormatVisitor -- This class enables to Format the Xar search criteria into a payload object.
- EmailXARFormatter -- This class formats the XAR into a payload object for submission.
- ErrorConstants -- This class defines all the JDT Error codes.
- ErrorMessage -- Error Message used by the ErrorHandler.
- EventQueueManager -- This class manages the Events in the queue manager in the order which they arrive.
- FileOpenDialog -- This class sets up a dialog to open a file.

- Folder -- The Folder class is a representation of Composite of the composite design pattern (see specification for Node class for starting material).
- FolderSelectionListener -- The class is a listener for the drop-down Folder selection list on the XAROrganizerScreen.
- GainSettingsComponent -- GainSettingsComponent is a user interface component that displays a collection of BandComponents.
- GeneralScreen -- GeneralScreen displays the contents of the Primary Attribute screen and the Telescope screen.
- GeneralScreen -- GeneralScreen displays the contents of the Primary Attribute screen and the Telescope screen.
- GeneralUtilities -- Returns a clone of the object passed.
- GenericDialog -- Main panel at BorderLayout.CENTER and a button Panel at BorderLayout.SOUTH.
- GeographicalOverlayRenderer -- Makes the request to the mapRequester to fetch an image from the map server and receives the resulting image.
- GroupSettings -- This class deals with the Configuration Manager group settings.
- GUIConstants -- This class defines the Constants for the GUI Elements.
- Header -- This class sets up header information for the Request.
- HelpAgentProxy -- This class is used for executing the HelpServlet.
- HelpClient -- Initializes and displays Java Help's Help Broker.
- HelpConstants -- This class defines all the constants/methods required for the Help files.
- HelpData -- This is a data structure to hold the help related information, such as help id, tool tip, and instructional help text.
- HelpDictionary -- This class provides a capability to manage a set of help attributes in an efficient manner.
- HelpListener -- Handles the static help.
- HelpManager -- This class reads in the help data from a file (containing help information in a tabular format) and builds an help dictionary by parsing various components of an help data.
- HelpMessage -- Help Message generated by components that are help enabled and consumered by components that uses help.
- HelpServlet -- This class is used to access the help files.
- HidingCellRenderer -- This class implements the TableCellRenderer for hiding and expanding Column groups.
- HidingHeader -- This class is used to set Hiding table header background.
- HTMLFormatter -- This class defines basic Html tags and common methods to write HTML documents.

- **HTMLSearchCriteriaFormatter** -- This class enables Search Criteria to be displayed in HTML format.
- **HTMLXARFormatter** -- This class enables XAR to be displayed in HTML format.
- **HTMLXARSearchResultFormatter** -- This class enables the XAR Search result to be displayed in HTML format.
- **IAgentProxy** -- INetworkAgentProxy is an interface to a NetworkAgentProxy.
- **IAttribute** -- This is an interface for JDT attributes.
- **IAttributeManager** -- This is an interface for attribute management.
- **IBuilder** -- All implementors will know how to build, connect, layout, register and set AdaptorTable for all of their responsible components.
- **ICommunicationsManager** -- ICommunicationManager is the interface to the network communication service.
- **IComponentFactory** -- This class is an interface for Component factory which allows setting the properties for a component.
- **IComponentSupport** -- IComponentSupport is an interface that allows Objects to specify that they want component support services like context-sensitive help, etc.
- **IComponentUpdate** -- This interface is for the implementer to handle the event generated from the map layer component generator.
- **IConnection** -- IConnection is a generic connection interface that allows the application to commit or rollback a request, open or close the connection, etc.
- **IDataHandler** -- Provides General purpose interface for handling Spatial Data.
- **IDictionary** -- Provides a general purpose interface for dictionary behavior.
- **IDictionaryElement** -- Provides general behavior for elements needed to build a dictionary.
- **IDrawing** -- This class is used to draw the Aos polygon on.
- **IGUIComponent** -- GUI component while creating it or later retrieving attributes from it.
- **IHelpManager** -- This is an interface for the HelpManager.
- **IIImageIconFactory** -- This is an interface for building new Image Icons.
- **IIImageLoadListener** -- IIImageLoadListener is an interface defined by the map services.
- **IJDManager** -- Interface to the JDT Manager Fascade dispatcher.
- **ILabelUpdate** -- Interface to ensure that the implementations can update a label.
- **ILayer** -- ILayer is an interface to a layer in the map.
- **ILayerManager** -- ILayerManager is the interface to the layer management service.
- **ILayerRenderer** -- ILayerRenderer provides the extension to the rendering capabilities of the Map.
- **ILoadImage** -- ILoadImage interface will the methods responsible for notifying the thread group that a thread has started and stopped.

- ImageEvent -- Source file:
`/net/newton/public/jdt/code/jdt/services/mapGenerator/ImageEvent.java.`
- ImageIconFactory -- This class implements ImageIconFactory interface.
- IMap -- Map interface provides interfaces to update and refresh layers.
- IMapManager -- Public interface to map manager.
- IMapScreenAdapter -- This is an interface for updating Scenes viewer's mouse event and scenes table's update event.
- IMessage -- This provides an uniform interface for all Messages.
- IMessageHandler -- The push consumer of messages.
- IMessageManager -- The IMessageManager provides a uniform interface to all messaging services.
- IMode -- IMode interface is implemented by components that permit mode changes.
- IModelManager -- IModelManager is an interface to the model services.
- INode -- INode: Interface representing a Component in the composite design pattern.
- INodeVisitor -- The INodeVisitor Interface allows the application to extend the functionality of the Node class without modifying the Node class structure.
- InstructionWindow -- This class is a custom JPanel which implements the ServiceProvider Interface.
- InternalMessage -- Error Message used by the ErrorHandler.
- InvalidNodeException -- This exception can be thrown under circumstances when there is any problem in accessing a particular node (a folder or a leaf).
- IOorderedMap -- This class provides general purpose interface for elements in OrderedHash.
- IOOverlay -- Interface to all overlays; makes sure they can set and get the overlay specification and get and set an image.
- IPersistence -- IPersistence is interface to the persistent object, which allows the PersistenceManager to extract the attributes to write and read from persistence storage.
- IPersistenceManager -- IPersistenceManager is the interface to the persistence service.
- IRange -- This is a general purpose interface for implementing range objects.
- IRenderer -- Provides a general purpose interface for renderer objects.
- IRequest -- Provides a general purpose interface for all types of requests.
- IRequestRenderer -- This class is an interface for GeographicalOverlayRenderer.
- IResultSet -- IResultSet is an interface to all types of result sets.
- IRowSetting -- This is an interface for CustomResultDataModel.
- IRowTableModel -- The lookup tables to convert the row and column position into the target XAR and the target method.
- ISceneRegistry -- This is an interface for ScenesObservable object.

- ISceneVisitor -- Interface to implement Visits a data acquisition request.
- IScreen -- This interface allows the screens to synchronize their displays with the current data and layout their components.
- ISearchCriteria -- The ISearchCriteriaVisitor Interface allows the application to extend the functionality of the SearchCriteria class without modifying the SearchCriteria class structure.
- ISearchCriteriaVisitor -- The ISearchCriteriaVisitor Interface allows the application to extend the functionality of the SearchCriteria class without modifying the SearchCriteria class structure.
- IServiceProvider -- This is a general purpose interface for implementing Service methods.
- IUserProfileManager -- This is a general purpose interface for implementing/managing UserProfile.
- IValidationListener -- A VetoableChange event gets fired whenever a bean changes a "constrained" property.
- IXAR -- This is an interface for XAR class, defining all the methods needed for XAR objects.
- IXARManager -- The IXARManager is the interface to the data acquisition service.
- IXARSearchResult -- Functionality of the XARSearchResult class without modifying the XARSearchResult class structure.
- IXARSearchResultVisitor -- The IXARSearchResultVisitor Interface allows the application to extend the functionality of the XARSearchResult class without modifying the XARSearchResult class structure.
- IXARVisitor -- The IXARVisitor Interface allows the application to extend the functionality of the XAR class without modifying the XAR class structure.
- JDTApplet -- This class is the entry point for the JDT Application.
- JDTConstants -- This class defines all the JDT configuration Constants.
- JDTEventDispatcher -- Monitors all user interface actions, processes the event, delegates the action to the Method Dispatcher.
- JDEException -- JDEException is an abstract class that represents the base exception class for the JAVA Data Acquisition Request Tool.
- JDTManager -- This class Manages all the major functionality of the DARTool.
- JDTRequirements -- Change the visible root in the File Manager.
- JDTScreen -- Navigation to the other screens, serves as main screen through which all others may be accessed.
- JDTTreeCellRenderer -- Interface to provide custom tree nodes that displays information like node name and time of creation.
- JDTTreeModel -- JDTTreeModel is a custom tree model which extends the AbstractTreeModel.
- JDTUtilities -- This class defines the utility methods to get the center of the JDT screen.

- LabelCellEditor -- This class enables a button to be pressed within a table and executes the action listeners and propagates the event from the button to the table.
- LabelComponent -- This abstract class provides common methods for the Label Component of JDT.
- LabelTextComponent -- This class handles Labelling of text components and its functions.
- Layer -- Layer is a graphical user interface container that represents a layer in the map.
- LayerManager -- LayerManager is the implementation of the layer management service.
- LoadImage -- Runnable thread for fetching an image.
- LogEntry -- This class sets up the type and message for the logs.
- LoginDialog -- Class description goes here.
- LoginManager -- Class description goes here.
- LookAngle -- LookAngle represents the angle off from nadir.
- LookAngleComponent -- LookAngleComponent displays and updates LookAngle.
- MailManager -- This class provides a capability to create a very simple text/plain message and to send it.
- Map -- Map is a user interface component that presents data in layered format.
- MapHandler -- Handles mouse event handling and conversion to coordinates.
- MapManager -- Map Manager manages the creation of the map by keeping track of overlays.
- MapModelException -- Signals that a MapModel exception has occurred.
- MapScreenAdapter -- This class implements methods to handle all the capabilities of the Spatial Map.
- MapScreenBuilder -- It holds the MapScreen interface.
- MapServerRequester -- Responsible for fetching the image from the server.
- MapUpdateThread -- This class implements Runnable to enable Mapupdate to be run by a thread.
- MenuManager -- Dynamically changes the menu bar based on a context switch in the application.
- MessageDispatcher -- MessageDispatcher is a thread that monitors a message queue.
- MessageProcessor -- The MessageProcessor class provides a service available to developers and testers to aid them in code maintenance and testing.
- MessageProcessorTest -- This class provides driver for testing MessageProcessor.
- MessageQueue -- MessageQueue is a thread safe queue for messages.
- MethodDispatcher -- Manages actions that are triggered when a button press event occurs.
- ModelConnection -- ModelConnection is a class that maintains a single connection to model.
- ModelManager -- The model manager maintains connections to model.

- ModelResultSet -- ModelResultSet is the result set that is returned after executing the query.
- ModelResultSetIterator -- This class implements Iterator for the Model Result set.
- ModificationRequest -- This class assembles and handles the payload for dar modification requests.
- ModificationUpdater -- Watcher class that keeps track of status messages from the Submission Agent.
- ModifyCloudCoverageDialog -- This class provides a capability to create Cloud Coverage Dialog screen.
- ModifyXARFormatter -- This class implements methods to modify the XAR Format.
- MojoAgentProxy -- NetworkAgentProxy is a class that is created upon a request to send a message to a remote system on the network.
- MOJOMessage -- This class extends the AbstractMessage class for the generic Mojo Messages.
- MojoResultSet -- MojoResultSet is the result set that encapsulates the Mojo response after a message has been sent to Mojo.
- MojoResultSetIterator -- The MojoResultSetIterator is a class that is used to simplify the interface for the MojoResultSet.
- MojoServlet -- MojoServlet is a NetworkAgent triggered by the NetworkAgentProxy.
- MOJOXARFormatter -- This class implements methods to format XAR as required by the MOJO gateway.
- NameChangedEvent -- This class is used to communicate changes of node names within the data hierarchy.
- NameChangedListener -- This interface provides a means of notifying an implementing class when node name has been changed.
- NewDataEvent -- NewDataEvent is used to communication new data selection to the clients of the WorkSpace.
- NewNodeListener -- This class implements ActionListener to create a New Node.
- NewScreenEvent -- NewDataEvent is used to communication new data selection to the clients of the WorkSpace.
- Node -- It represents Component in the composite design pattern.
- NodeLocator -- This class may be sub-classed or modified to handle different search criterias.
- NodeRenderer -- Interface to provide a custom display for JDT nodes for use anywhere single nodes are displayed.
- NodeResultSet -- This class implements common methods on the Result set.
- NodeSelectionKeyListener -- NodeSelectionKeyListener delegates the event(s) for selecting a node via the keyboard to the XAROrganizerScreen.

- NodeSelectionMouseListener -- NodeSelectionMouseListener delegates the event(s) for selecting a node on the XAROrganizerScreen's JTree.
- NodeWriter -- This class implements methods to dump the nodes of the tree.
- NumericTextField -- This class defines a text field and adds a key listener.
- OdfrmHTMLGenerator -- This class generates the ODFRM HTML page for the AttachedDPR functionality.
- OnlineHelpComponent -- This class defines methods to get online help files.
- OrderedHash -- A class derived from HashMap which overcomes the problem where the order of the keys may change with each rehash.
- OutOfBoundsException -- General out of bounds exception.
- OverlayAdapter -- This class implements ItemListener and Action listener and Manages the overlay dialog.
- PanControl -- Controls panning on the screen.
- PanicMessage -- This class extends the generic Abstract Message class.
- ParserUtils -- A collection of reusable routines for parsing the return data from MOJO.
- PathFinder -- PathFinder is a node visitor that generates a path for a selected node.
- PathNotFoundException -- This exception can be thrown under circumstances when there is any problem in accessing a particular node (a folder or a leaf).
- PayloadFormatter -- This class implements methods to format Payload.
- PchDrawing -- This class is used to draw the panning cross-hair.
- PCHHandler -- PCHHanler process the mouse event for the Panning Cross-Hair > point selection.
- PchRenderer -- This class renders an PCH (Panning Cross-Hair) component.
- Persistence -- The Persistence class is abstract base class that allows other class to interface to persistence storage.
- PersistenceException -- Thrown to indicate a problem while either saving data to or restoring data from the persistence storage.
- PersistenceManager -- PersistenceManager is the implementation of the persistence service.
- PersistenceManagerSkel -- This class acts as a receiver for persistence requests and marshals these to the real persistence manager.
- PersistenceManagerStub -- Client/user side interface to the Persistence capability.
- PersistenceMessage -- This class extends AbstractMessage for restoring messages from persistent objects.
- PersistenceResultMessage -- This class extends PersistenceMessage for result objects.
- PopupMenuListener -- PopupMenuListener listens for mouse events on the File Manager.

- PrimaryAttribute -- This class contains the primary attributes for a xAR data acquisition request.
- PrimaryAttributeListener -- Class description goes here.
- PrimaryAttributeScreen -- PrimaryAttributeScreen displays and updates the PrimaryAttribute.
- ProgressIcon -- A component that displays the correct icon based upon the status value.
- Properties -- This class is an implementation for handling all the properties set in the configuration.
- Quadrant -- The quadrant class represents one scene in a XAR data acquisition result.
- Qualification -- This class implements Serializable to Qualify the payload.
- QualificationList -- QualificationList\n QueryBegin\t1\n ServiceClass\tINSERT\n Attribute\tString\tShortNameVersionID\tAST_LIB:001QueryEnd\t1\n .
- Qualifier -- This class qualifies an attribute based on rule, attribute value and attributename.
- QualifiersList -- This class is implementation of a vector of Qualifiers.
- QueryResultsParser -- Parser to process the generic text format for MOJO XAR Status results data.
- RadioButtonControls -- Radio Button Controls.
- Range -- This is a general purpose class representing a range of values of an attribute.
- RenameNodeListener -- Removes the current node.
- ResourceFactory -- This class defines the interface for creating a collection of components.
- ResourceHolder -- This class provides capabilities to access child components of the parent component supplied during instantiation.
- RestoreException -- failed.
- ResultHeader -- This class defines the interface to set the header information for the results.
- ResultHeaderRenderer -- This class defines the interface to retrieve the result header information.
- ResultList -- Simple container class to hold XARs that return after performing a search.
- ResultManager -- ResultManager manages the result display, it facades the request to the ResultTabManager, the ResultTableAdapter and the ResultTableFactory to construct and display the result sets.
- ResultMessage -- Results Message is used to carry the results of searches or submits.
- ResultRowVisitor -- Of XAR attributes, the visit method will map the order of XAR attributes to the pre-fixed display arrangement for each attribute.
- ResultTableAdapter -- ResultTableAdapter handles the selection event for setting the selected xar id, sorting the rows by column and hiding/unhiding groups of columns.
- ResultTableBuilder -- ResultTableFactory constructs the customer table models and the tables with the adapters connected.

- ResultTablePanel -- A panel.
- ResultTabManager -- ResultTabManager managers the group of the result tabs either returned from the search or selected by the user from the organizer screen.
- Root -- Root is the top most node in the tree hierarchy.
- Row -- Row holds a list of result attributes in arranged order for displaying in the result table.
- Rubberband -- This class implements the stretch method used to stretch components.
- RubberbandRectangle -- This Class extends the Rubberband class and is used to draw a rectangle for spatial coordinates on the Search Screen.
- RuleValidation -- The RuleValidation class houses all of the rules that pertain to the Data Acquisition Request.
- SaveException -- Successfully.
- Scene -- This class represents one scene from a xar.
- SceneRowVisitor -- Of XAR attributes, the visit method will map the order of XAR attributes to the pre-fixed display arrangement for each attribute.
- ScenesAdapter -- ScenesAdapter handles Scenes viewer's mouse event and scenes table's selection event.
- ScenesDataModel -- ScenesDataModel accesses the AcquiredScenes object to get the Vector of Scene, and gets each Scene's attributes.
- ScenesIDDataModel -- ScenesIDDataModel is a wrapper which gets sceneID and status from the ScenesDataModel.
- ScenesObservable -- This class extends observable and implements the SceneRegistry Interface.
- ScenesParser -- Parser to process the SubXARStream contents returning through MOJO.
- ScenesRequest -- Following the pattern in this tool, we have a request for getting a chunk of scenes from GDS.
- SearchByAttributesRequest -- Following the pattern in this tool, we have a request for getting a list of XARs that satisfy a search criteria from GDS.
- SearchByAttributesUpdater -- Watcher class that keeps track of status messages from the Submission Agent.
- SearchByIdRequest -- Following the pattern in this tool, we have a request for getting a list of XARs based upon a list of IDs from GDS.
- SearchCriteria -- A SearchCriteria is a container object for performing a XAR Status query on GDS.
- SearchResultMessage -- Results Message is used to carry the results of searches or submits.
- SearchResultScreen -- This class defines the interface for the layout and functions of the Search result screen.
- SearchResultToolBarPanel -- SearchResultToolBar provides four functions.

- SearchScreen -- This class defines the interface for the layout and functions of the Search screen.
- SearchStatusDialog -- This dialog contains the Search Status Panel.
- SearchStatusPanel -- This panel that contains the status table and toolbar for the status table.
- SearchStatusToolBar -- The tool bar for the search status screen.
- SearchSubmissionAgent -- The SearchSubmission agent controls the whole thread of sending a XAR Status search request through MOJO to GDS and routing the returned results.
- SearchSubmissionServlet -- This class extends the DataServlet and handles the Search submission.
- SelectionTableAdapter -- Adapter for both updating the table and notifying the tables receiver of row changes in the table.
- ServiceSpecification -- This class provides interface for specifying a service to invoke Servicemethod.
- ServletMessage -- This class defines the generic Servelet data message.
- ServletProxy -- This class is an interface to NetworkAgentProxy to fire servlets.
- SessionMessage -- This class defines the Session generic data message.
- SessionServlet -- This class maintains the session information.
- SortDecorator -- This class implements RowTableModel to sort out rows in a table.
- SpatialComponentType
- SpatialConstants -- This class defines all the Constants related to spatial data and spatial screen.
- SpatialScreen -- This class defines the layout and interface for Spatial screen functionality.
- SpatialScreenBuilder -- This class is responsible of building the specific spatial screen, it directs all sub component builders to construct all required components and to plug all components together.
- SpatialScreenDirector -- This class uses the builder to assemble a spatial screen.
- SpatialScreenType
- SpatialSetting -- This class contains the spatial settings for a XAR.
- SpatialThreadGroup -- SpatialThreadGroup manages threads that fetch requests for images from the map server or render themselves.
- SpecialRequestListener -- This class implements ValidationListener to see if the request is of a specific type.
- SpecialRequestScreen -- SpecialRequestScreen presents and collects special request setting data from the user.
- SpecialRequestScreen -- SpecialRequestScreen presents and collects SpecialRequest search setting data from the user.
- SpecialRequestSetting -- Request.

- Spinner -- Spinner - Class to combine everything on the component, implements methods to manipulate the Spinner.
- SpinnerCheckBox -- This class defines the interface for the Checkbox component on the GUI.
- SpinnerController -- SpinnerController - This class defines the control for the spinners.
- SpinnerModel -- This class is an interface for the AbstractSpinnerModel.
- SpinnerRenderer -- This class is an interface for DefaultSpinnerRenderer.
- StartUpStatus -- This class defines the interface to notify the user about the Startup status.
- StartUpStatusEvent -- StartUpStausEvent is used to communicate when start up event is complete via a splash screen to the user.
- StartUpStatusListener -- This class extends EventListener to display the Startup status.
- StatusMessage -- Status Message used to hold information on search and submit statuses.
- StatusRowData – This class contains the data from various classes that is needed to form a row in the table.
- StatusTable -- This class represents the search status table.
- StatusTableButtonRenderer -- Renderers the buttons in the table.
- StatusTableCheckBoxRenderer -- Renderers the checkbox's in the table.
- StatusTableLabelRenderer -- Renderers the icons in the table.
- StatusTableModel -- The class represents the table model for the status table.
- StatusTableMultilineRenderer -- Renderers the multiline column headers in the table.
- StatusTableTextRenderer -- Rendererers the icons in the table.
- SubmissionAgent -- This class acts as Submission manager for submitting both original requests as well as modification requests.
- SubmissionRequest -- This class defines the interface for submitting a request.
- SubmissionServlet – This servlet processes DAR submit requests.
- SubmissionValidator -- Submission validator performs mandatory checking on the data acquisition request (DAR).
- SubmitException – This class is thrown during the XAR submission period.
- SubmitRequestUpdateMessage -- SubmitRequestUpdates Message is used to carry the results of searches or submits.
- SubscriptionMessage -- Results Message is used to carry the results of searches or submits.
- SubscriptionRequest -- This class process the payload for subscription.
- SunAngle -- SunAngle range represents the minimum and maximum sun angle range, the angle of the sun's ray incident to the point at which the pictures are taken.
- SunAngleComponent -- SunAngleComponent displays and updates the SunAngle.

- SuspendActivateDialog -- A dialog allowing the user to suspend an active DAR or re-activate a suspended DAR.
- SystemHelpManager -- Manages system initiated help (e.g. Instruction Help and ToolTip Help..)
- TabManager -- Upon a data selection event from the work space, the tab manager will bring focus on the tab that handles this data.
- TargetList -- TargetList\n QueryBegin\t1\n EventUR\n QueryEnd\t1.
- TelescopeScreen -- TelescopeSettingScreen allows the user to select telescope parameters.
- TelescopeSetting -- This class contains the telescope settings for the XAR data acquisition request.
- TemporalListener -- This class listens to the attributes for the Temporal Settings and when notified of a change in value, checks the new value to be sure that it does not violate any of the rules associated with the Temporal Settings.
- TemporalScreen -- TemporalSettingScreen collects TemporalSetting data.
- TemporalScreen -- TemporalSettingScreen collects TemporalSetting data.
- TemporalSetting -- This class contains the temporal settings for the XAR data acquisition request.
- TextAreaDocument -- This document model was created to filter whitespace characters (especially TAB and carriage returns) from the JDT text areas as they tend to cause parse errors in the MOJO proxies (as they should).
- TopicMessageManager -- Class description.
- TypeNotFoundException -- This is an Exception thrown when a particular Type being searched is not found.
- TypeUtilities -- This class defines the interface to get the type of the Object.
- UpdateButton -- This class defines the functionality of the Update button.
- UserProfileManager -- This class defines the interface to create and maintain the userprofile.
- ValidationContext -- This class defines the interface to handle the validation of a context for a particular request.
- ValidationException -- Not in its stable state.
- ValidationSupport -- This is a utility class that can be used by beans that support constrained properties.
- VAOIFormatter -- VASFormatter collects data from other sources to create VAS.
- VASFormatter -- VASFormatter collects data from other sources to create VAS.
- ViewingGeometryListener -- This class listens to the attributes for the Viewing Geometry Settings and when notified of a change in value, checks the new value to be sure that it does not violate any of the rules associated with the Viewing Geometry Settings.

- ViewingGeometryScreen -- ViewingGeometryScreen displays and updates the ViewingGeometrySetting.
- ViewingGeometryScreen -- ViewingGeometryScreen displays and updates the ViewingGeometrySetting.
- ViewingGeometrySetting -- Request.
- ViewSceneBuilder -- ViewSceneBuilder creates and connects components for scenes viewer dialog.
- ViewScenesDialog -- ViewScenesDialog is a dialog with spatial map screen and scene ID/Status table.
- WindowLevelHelpListener – This class handles the window-level help.
- WorkSpace -- The WorkSpace uses Java's Observer/Observable pattern to setup the screens based on the selections.
- WorkSpaceListener -- This class extends EventListener to implement Screen and Data selection.
- XAR -- XAR class represents a leaf object in the composition (a leaf object has no children).
- XARContentParser -- Parser to process queryXARContents returning through MOJO.
- XARId -- Container to hold a XARId in a SearchCriteria for queryXARSummary.
- XARIdDataModel -- Table.
- XARIdList -- queryXARSummary.
- XARIdTableAdapter -- XARIdTableAdapter connects the XAR id table to MapScreen.
- XARManager -- The XARManager is the implementation of the data acquisition service.
- XAROrganizerScreen -- XAROrganizerScreen is a object-oriented file system manager.
- XARScreen -- A XAR request.
- XARSearchResult -- Criteria and results.
- XARStatus -- This is the data object that is sent by the SearchSubmissionAgent to the client (ie. the SearchSubmissionUpdater).
- XARSummaryParser -- Parser to process queryXARSummary returning through MOJO.
- XARSummaryTreeCellRenderer -- Interface to provide custom tree nodes that displays information like node name and time of creation.
- XARValidationVisitor -- Mediators on the XAR.

Java Interfaces

- DataChangedListener -- Data has been changed.
- IAgentProxy -- INetworkAgentProxy is an interface to a NetworkAgentProxy.
- IAttribute -- This is an interface for JDT attributes.
- IAttributeManager -- This is an interface for attribute management.

- **IAttributeManagerListener** -- This class is an Interface to build the Attribute Dictionary for the request.
- **IBuilder** -- all implementors will know how to build, connect, layout, register and set AdaptorTable for all of their responsible components.
- **ICellEditCanceller** -- Interface to cancel Editing the cell for spatial coordinates.
- **ICommunicationsManager** -- ICommunicationManager is the interface to the network communication service.
- **IComponentFactory** -- This class is an interface for Component factory which allows setting the properties for a component.
- **IComponentSupport** -- IComponentSupport is an interface that allows Objects to specify that they want component support services like context-sensitive help, etc.
- **IComponentUpdate** -- This interface is for the implementer to handle the event generated from the map layer component generator.
- **IConnection** -- IConnection is a generic connection interface that allows the application to commit or rollback a request, open or close the connection, etc.
- **IDataHandler** -- Provides General purpose interface for handling Spatial Data.
- **IDictionary** -- Provides a general purpose interface for dictionary behavior.
- **IDictionaryElement** -- Provides general behavior for elements needed to build a dictionary.
- **IDirector** -- Interface to all Screen Directors.
- **IDrawing** -- This class is used to draw the Aos polygon on.
- **IGUIComponent** -- GUI component while creating it or later retrieving attributes from it.
- **IHelpManager** -- This is an interface for the HelpManager.
- **IIImageIconFactory** -- This is an interface for building new Image Icons.
- **IIImageLoadListener** -- IIImageLoadListener is an interface defined by the map services.
- **IJDTManager** -- Interface to the JDT Manager Fascade dispatcher.
- **ILabelUpdate** -- Interface to ensure that the implementations can update a label.
- **ILayer** -- ILayer is an interface to a layer in the map.
- **ILayerManager** -- ILayerManager is the interface to the layer management service.
- **ILayerRenderer** -- ILayerRenderer provides the extension to the rendering capabilities of the Map.
- **ILoadImage** -- ILoadImage interface will the methods responsible for notifying the thread group that a thread has started and stopped.
- **IMap** -- Map interface provides interfaces to update and refresh layers.
- **IMapManager** -- Public interface to map manager.
- **IMapScreenAdapter** -- This is an interface for updating Scenes viewer's mouse event and scenes table's update event.

- **IMessage** -- This provides an uniform interface for all Messages.
- **IMessageHandler** -- The push consumer of messages.
- **IMessageManager** -- The **IMessageManager** provides a uniform interface to all messaging services.
- **IMessageProcessor** -- The **MessageProcessor** class provides a service available to developers and testers to aid them in code maintenance and testing.
- **IMode** -- **IMode** interface is implemented by components that permit mode changes.
- **IModelManager** -- **IModelManager** is an interface to the model services.
- **INode** -- **INode**: Interface representing a Component in the composite design pattern.
- **INodeVisitor** -- The **INodeVisitor** Interface allows the application to extend the functionality of the **Node** class without modifying the **Node** class structure.
- **IOrderedMap** -- This class provides general purpose interface for elements in **OrderedHash**.
- **IOverlay** -- Interface to all overlays; makes sure they can set and get the overlay specification and get and set an image.
- **IOverlaySpecification** -- Interface for getting a specifications resolution, projection and type.
- **IPersistence** -- **IPersistence** is interface to the persistent object, which allows the **PersistenceManager** to extract the attributes to write and read from persistence storage.
- **IPersistenceManager** -- **IPersistenceManager** is the interface to the persistence service.
- **IProjection** -- Interface that deals with the projection of coordinates on the spatial screen.
- **IRange** -- This is a general purpose interface for implementing range objects.
- **IRenderer** -- Provides a general purpose interface for renderer objects.
- **IRequest** -- Provides a general purpose interface for all types of requests.
- **IRequestRenderer** -- This class is an interface for **GeographicalOverlayRenderer**.
- **IResultManager** -- Result.
- **IResultSet** -- **IResultSet** is an interface to all types of result sets.
- **IRowSetting** -- This is an interface for **CustomResultDataModel**.
- **IRowTableModel** -- the lookup tables to convert the row and column position into the target XAR and the target method.
- **ISceneRegistry** -- This is an interface for **ScenesObservable** object.
- **ISceneVisitor** -- Interface to implement Visits a data acquisition request.
- **IScreen** -- This interface allows the screens to synchronize their displays with the current data and layout their components.
- **ISearchCriteria** -- The **ISearchCriteriaVisitor** Interface allows the application to extend the functionality of the **SearchCriteria** class without modifying the **SearchCriteria** class structure.

- ISearchCriteriaVisitor -- The ISearchCriteriaVisitor Interface allows the application to extend the functionality of the SearchCriteria class without modifying the SearchCriteria class structure.
- IServiceProvider -- This is a general purpose interface for implementing Service methods.
- IUserProfileManager -- This is a general purpose interface for implementing/managing UserProfile.
- IValidationListener -- A VetoableChange event gets fired whenever a bean changes a "constrained" property.
- IXAR -- This is an interface for XAR class, defining all the methods needed for XAR objects.
- IXARManager -- The IXARManager is the interface to the data acquisition service.
- IXARSearchResult -- Functionality of the XARSearchResult class without modifying the XARSearchResult class structure.
- IXARSearchResultVisitor -- The IXARSearchResultVisitor Interface allows the application to extend the functionality of the XARSearchResult class without modifying the XARSearchResult class structure.
- IXARVisitor -- The IXARVisitor Interface allows the application to extend the functionality of the XAR class without modifying the XAR class structure.
- NameChangedListener -- This interface provides a means of notifying an implementing class when node name has been changed.
- SpinnerModel -- This class is an interface for the AbstractSpinnerModel.
- SpinnerRenderer -- This class is an interface for DefaultSpinnerRenderer.
- StartUpStatusListener -- This class extends EventListener to display the Startup status.
- WorkSpaceListener -- This class extends EventListener to implement Screen and Data selection.

java_archive EcCIWbJestCI

The WKBCH CSCI contains a set of "tools" or user interfaces that are used by science users to interact with ECS. They provide the major interfaces between the user and the system. The programs currently in the WKBCH CSCI include: the User Registration Tool (an HTML application), EOSView (a data visualization tool), and the Data Acquisition Request Tool (an interface that allows users to request ASTER data).

Java Classes

- Centralizer -- This class is used to get the center of the component on screen.
- Connection -- Wrapper class for MOJO connections to make it easier to do transactions with ECS.
- ConnectionException -- Code and message.
- ConstructorCapsule -- Provides java.lang.reflect.Constructor encapsulation.

- ConstructorCapsuleFactory -- ConstructorCapsuleFactory produces the correct ConstructorCapsule for a given class/constructor pair.
- CreateType -- This class is used to create new Type.
- DataServlet -- Simple Servlet for sending files in their raw form across the net.
- DataServletEvent -- This class extends the Java EventObject to Data servlets.
- DataServletException -- Old class for throwing errors with DataServlets.
- Datum -- Datum represents a single String value, hiding underneath the Element abstract class.
- Dump -- This class is used to Dump the entire Model to stderr in format suitable for debugging.
- Element -- Elements of Model may be either a single valued string, Datum, or a set of values, Tuple, represented as an array, depending upon the subclass.
- ElementList – This class manages lists of elements.
- ElementListNoFieldException -- A non-existent field was accessed in an Element in ElementList.
- ElementListOutOfRangeException -- An element out of range was accessed.
- ElementNotFoundException -- Element not found when expected.
- ErrorEvent -- Simple event object for Model load notification.
- EventAdapter -- A generic adapter for adding and removing Listeners from Objects that support specific Listener interfaces.
- EventRegistry -- and Listeners (methods).
- Exit -- This class extends Statement class to exit by returning a null.
- FieldCapsuleFactory -- FieldCapsuleFactory produces MethodCapsule encapsulations for the get or set methods in a java.lang.reflect.Field Object.
- FieldQualification -- This class extends Node and qualifies fields in the Node.
- FieldUnknownException -- Field unknown in type.
- FileStuff -- Wrapper class around asundry static file routines.
- FileWalker -- FileWalker walks a directory tree from a given path, emitting an observable event with each file it finds.
- Get -- This class returns the element/token from the path.
- GetDollar -- This class returns the element from the stack based on Index.
- GridBagPanel -- A class derived from Container that uses a GridBagLayout to constrain the components.
- HubConstants -- Contains constants used to reference areas of the hub.
- HubHandle -- The HubTracer provides a way to trace a Hashtable of Hashtables given a String which is a dot separated set of keys to the top Hashtable.

- IConnectionReAuth -- Interface for an object that can reauthorize a mojo connection.
- IdValueAlreadyExists -- The id value already exists.
- IModel -- This is an interface to get the Model Object.
- InstanceFactory -- This makes an instance of class using a ConstructorCapsule which is produced with a ConstructorCapsuleFactory.
- IServletExitListener -- Simple listener to allow the ServletFactory to trap when servlets die.
- JdomAdapter -- This class implements the common methods for formatting/handling files using JDOM.
- ListenerCapsule -- The ListenerCapsule is intended to provide an automatically adapted MethodCapsule which can be added as a listener to an Event source.
- LoadEvent -- Simple event object for Model load notification.
- LogEvent -- Simple event object for Model load notification.
- Login -- Login to handle when a user logs in.
- LoginException -- Exception thrown when a user cannot login to Jess.
- LynchPin -- \$RCSfile: LynchPin.java \$ \$Revision: \$.
- MethodCapsule -- Provides java.lang.reflect.Method encapsulation.
- MethodCapsuleFactory -- Object which aids in the reliable construction of MethodCapsules using a method name and an Object.
- MethodReflector -- This class returns a method which is a reflection of the argument passed.
- Mirror -- This class provides one stop shopping constructors for the util.reflect package.
- MirrorParser -- This class provides a parser for a Hashtable based index of reflection Objects called Mirror.
- MissingIdQualException -- The id qualification is missing.
- Model -- The concrete client side model that handles the initial connection handshaking and routes the queries to the server.
- Model -- Model manages a private tree of typed Strings in local memory.
- Model -- Create a User's model.
- ModelException -- \$RCSfile: ModelException.java \$ \$Revision: 1.2 \$.
- ModelException -- All Model Exceptions are sub classes ModelException.
- ModelFileLogger -- Simple Servlet for logging changes to Model in a UNIX file system.
- ModelIOException -- \$RCSfile: ModelIOException.java \$ \$Revision: 1.1 \$.
- ModelToJdomParser -- This class implements the general purpose methods to Parse documents using JDOM.
- Name -- This class extends Node.
- Node -- This class defines the Component in the composite design pattern.

- NoMatchInWhere -- Thrown when a where clause in a Query requires a matching element.
- ObjectArrivedEvent -- This class extends EventObject specified by the tag and classname.
- ObjectArrivedListener -- This class extends EventListener for ObjectArrivedEvent.
- Packet -- This class defines a new data type with both command and data.
- PacketTooBigException -- This class defines a exception if the Packet size is too big.
- ParameterMethodCapsule -- This class holds the arguments as a vector to invoke the MethodCapsule.
- Parser -- This class defines the utilities to parse data for tokens, and keywords.
- Path -- This class implements the common methods to find nodes based on path.
- PersistenceRemover -- PersistenceRemover is a class that deletes files in a file system.
- Println -- This class implements methods to parse and execute dump statement.
- PrintPut -- This class implements the methods to execute print_put statement.
- Put -- This class implements methods to execute the Put statement.
- Query -- Query parses commands which modify data stored in Model.
- QueryJournal -- This class defines the interface for handling of .zip files.
- QueryJournalLoader -- This class defines the interface for loading a Journal file.
- ReadWriteLock -- Very simple read/write lock manager.
- ReadWriteThread -- Track ReadWriteThreads used by ReadWriteLock.
- ReflectionAdapter -- This class defines an interface to Register an Event source.
- ReflectionCaller -- This class defines the interface for calling a MethodReflector.
- RemoteObjectLauncher -- This class defines the interface to launch a class by making a remote call.
- Replace -- This class defines the interface to execute replace statement.
- SeriesCapsule -- The SeriesCapsule allows one MethodCapsule.invoke() to cause a Vector of MethodCapsules to be invoked.
- ServerSyncQuery -- \$RCSfile: Model.java \$ \$Revision: 1.5 \$.
- Servlet -- Abstract base class for servlets to extend.
- ServletControl -- Controller for starting servlets and watching for errors.
- ServletException -- Simple exception wrapper that adds an extra reason code.
- ServletFactory -- Creates, manages and fires JESS servlets.
- ServletQuery -- Tag a Servlet query.
- Socket -- Smart socket implements mojo transport protocol.
- SourceAdapter -- Widely defined Adapter for adding and removing listeners from Objects that support the specific listener methods.
- SourceAdapterFactory -- For objects which support specific add/remove listener functions.

- Statement -- Public interface to parsing of single statement.
- StatementList -- This class is a list of Nodes.
- StringStuff -- Wrapper class around asundry string routines.
- SymbolPropertyChangeSupport -- Simple property change support to objectify the way we get and listen to symbols.
- TargetList -- This class is a list of Nodes with Qualification as the Node.
- Tuple -- Tuple represents a Vector of Strings.
- Type -- Simple Types for Model Strings.
- TypeChecker -- This class can be used to get a list of all the types supported by a Class, or to print the list to the screen.
- TypeDefinedException -- A Type of a particular name may only be created once.
- TypeEvent -- An element of a particular type has changed.
- TypeListener -- Changes to the Types in Model trigger these Listener.
- TypeMismatchException -- Mismatched Types occurred.
- TypeUnknownException -- An unknown Type was seen in a Query.
- UpdateServerSideId -- This class defines the interface to Update the ServersideId.
- User -- Handles a user, it's Model and servlets.
- UserDoneListener -- This class is an interface class to check if the User session count is zero, so that it can quit listening to a particular user.
- WalkEvent -- An element of a particular type has changed.
- Zap -- This class extends Statement and defines the Database command Zap to unzip the children from the model.
- ZipAppender -- ZipAppend is a class that copies one zip file into another and giving the ability to append entries.
- ZipStore -- ZipStore is a class that stores files into a zip file.

Java Interfaces

- AuthorizationListener -- Tells us when we have been authorized to talk to the system.
- DataServletListener -- This class extends EventListener to the dataservlet object, and sends a dataservlet response.
- IConnectionConfig -- Interface to allow auth data to be anonymous.
- IConnectionReAuth -- Interface for an object that can reauthorize a mojo connection.
- IErrorListener -- Fired when Model.log() is invoked.
- IHubAccessListener -- An interface for providing notification about changes to values of Objects in the Hub.
- ILoadListener -- Simple listener class used for notification when Model is loaded via Jess.

- ILogListener -- Fired when Model.log() is invoked.
- IModel -- This is an interface to get the Model Object.
- IServletExitListener -- Simple listener to allow the ServletFactory to trap when servlets die.
- ObjectArrivedListener -- This class extends EventListener for ObjectArrivedEvent.
- ServletExceptionListener -- Interface so that we can detect exceptions thrown from servlets.
- TypeListener -- Changes to the Types in Model trigger these Listener.
- UserDoneListener -- This class is an interface class to check if the User session count is zero, so that it can quit listening to a particular user.
- WalkListener -- Walk the model.

java_archive EcCIWbJestSv

The WKBCH CSCI contains a set of "tools" or user interfaces that are used by science users to interact with ECS. They provide the major interfaces between the user and the system. The programs currently in the WKBCH CSCI include: the User Registration Tool (an HTML application), EOSView (a data visualization tool), and the Data Acquisition Request Tool (an interface that allows users to request ASTER data).

Java Classes

- AdvertiseParser -- This is a parser class used to parse advertising payload.
- AdvertisingServiceResults -- Advertising results data processor.
- AuthData -- Implementor of IConnectionConfig.
- AuthData -- Implements IConnectionConfig---An Interface to allow authdata to be anonymous.
- AuthException -- The exception that the servlet throws when login/reauth fails.
- AuthServlet -- The servlet that handles the MOJO/DCE login and any intermediate reauthentications.
- Centralizer -- This class is used to get the center of the component on screen.
- Client -- This Class handles the Client object from JDT on the Jess server side.
- Command -- Execute commands sent from the client socket, handle read operations and trigger Methods.
- ConfigParser -- Parser for JESS configuration.
- Connection -- Wrapper class for MOJO connections to make it easier to do transactions with ECS.
- ConnectionException -- Code and message.
- ConstructorCapsule -- Provides java.lang.reflect.Constructor encapsulation.
- ConstructorCapsuleFactory -- ConstructorCapsuleFactory produces the correct ConstructorCapsule for a given class/constructor pair.

- Coordinate -- This class sets the Coordinates of a point on the screen.
- CreateType -- This class is used to create new Type.
- DataServlet -- Simple Servlet for sending files in their raw form across the net.
- DataServletEvent -- This class extends the Java EventObject to Data servlets.
- DataServletException -- Old class for throwing errors with DataServlets.
- Datum -- Datum represents a single String value, hiding underneath the Element abstract class.
- Dump -- This class is used to Dump the entire Model to stderr in format suitable for debugging.
- Element -- Elements of Model may be either a single valued string, Datum, or a set of values, Tuple, represented as an array, depending upon the subclass.
- ElementList -- Manage lists of elements.
- ElementListNoFieldException -- A non-existent field was accessed in an Element in ElementList.
- ElementListOutOfRangeException -- An element out of range was accessed.
- ElementNotFoundException -- Element not found when expected.
- ErrorEvent -- Simple event object for Model load notification.
- EventAdapter -- A generic adapter for adding and removing Listeners from Objects that support specific Listener interfaces.
- EventRegistry -- Listeners (methods).
- Exit -- This class extends Statement class to exit by returning a null.
- FieldCapsuleFactory -- FieldCapsuleFactory produces MethodCapsule encapsulations for the get or set methods in a java.lang.reflect.Field Object.
- FieldQualification -- This class extends Node and qualifies fields in the Node.
- FieldUnknownException -- Field unknown in type.
- FileStuff -- Wrapper class around asundry static file routines.
- FileWalker -- FileWalker walks a directory tree from a given path, emitting an observable event with each file it finds.
- Get -- This class returns the element/token from the path.
- GetDollar -- This class returns the element from the stack based on Index.
- GridBagPanel -- A class derived from Container that uses a GridBagLayout to constrain the components.
- HubConstants -- Contains constants used to reference areas of the hub.
- HubHandle -- The HubTracer provides a way to trace a Hashtable of Hashtables given a String which is a dot separated set of keys to the top Hashtable.
- IConnectionConfig -- Interface to allow auth data to be anonymous.

- IConnectionReAuth -- Interface for an object that can reauthorize a mojo connection.
- IdValueAlreadyExists -- The id value already exists.
- IModel -- This is an interface to get the Model Object.
- InstanceFactory -- This makes an instance of class using a ConstructorCapsule which is produced with a ConstructorCapsuleFactory.
- IServerLog -- This class is general purpose interface for implementing logging methods.
- IServletExitListener -- Simple listener to allow the ServletFactory to trap when servlets die.
- JdomAdapter -- This class implements the common methods for formatting/handling files using JDOM.
- Jess -- This class deals with the Jess server and its interface.
- ListenerCapsule -- The ListenerCapsule is intended to provide an automatically adapted MethodCapsule which can be added as a listener to an Event source.
- LoadEvent -- Simple event object for Model load notification.
- LogAdapter -- This class implements the ServerLog interface.
- LogEvent -- Simple event object for Model load notification.
- Login -- Login to handle when a user logs in.
- LoginException -- Exception thrown when a user cannot login to Jess.
- LynchPin -- \$RCSfile: LynchPin.java \$ \$Revision: \$.
- MethodCapsule -- Provides java.lang.reflect.Method encapsulation.
- MethodCapsuleFactory -- Object which aids in the reliable construction of MethodCapsules using a method name and an Object.
- MethodReflector -- This class returns a method which is a reflection of the argument passed.
- Mirror -- This class provides one stop shopping constructors for the util.reflect package.
- MirrorParser -- This class provides a parser for a Hashtable based index of reflection Objects called Mirror.
- MissingIdQualException -- The id qualification is missing.
- MJADVERTProxy -- This class invokes the Mojo Advertisement proxy.
- MJClient -- This class handles the Mojo client requests.
- MJJDTQUERYProxy -- This class implements the general purpose methods for JDT query.
- MJJDTRQUESTProxy -- This class implements MJProxy class.
- MJLOGINProxy -- This class invokes the Mojo proxy to let User login.
- MJLOGOUTProxy -- This class invokes the mojo proxy to let user logout.
- MJProxy -- This class invokes the proxy based on the type of request.
- MJRPROFILEProxy -- This class invokes the proxy to retrieve the Userprofile.
- MJServer -- This class provides the general purpose implementation of the Mojo server.

- MJServlet -- This class extends the basic servlet for the Mojo gateway.
- MJSocket -- This class is an extension of the Jess mojo Socket.
- MJSUBSCRIBEProxy -- This class invokes the Subscription proxy.
- Model -- Model manages a private tree of typed Strings in local memory.
- Model -- The concrete client side model that handles the initial connection handshaking and routes the queries to the server.
- Model -- Create a User's model.
- ModelException -- All Model Exceptions are sub classes ModelException.
- ModelException -- \$RCSfile: ModelException.java \$ \$Revision: 1.2 \$.
- ModelFileLogger -- Simple Servlet for logging changes to Model in a UNIX file system.
- ModelIOException -- \$RCSfile: ModelIOException.java \$ \$Revision: 1.1 \$.
- ModelToJdomParser -- This class implements the general purpose methods to Parse documents using JDOM.
- MojoRunner -- This class implements Runnable for Mojo gateway.
- Name -- This class extends Node.
- Node -- This class defines the Component in the composite design pattern.
- NoMatchInWhere -- Thrown when a where clause in a Query requires a matching element.
- ObjectArrivedEvent -- This class extends EventObject specified by the tag and classname.
- ObjectArrivedListener -- This class extends EventListener for ObjectArrivedEvent.
- Packet -- This class defines a new data type with both command and data.
- PacketTooBigException -- This class defines a exception if the Packet size is too big.
- ParameterMethodCapsule -- This class holds the arguments as a vector to invoke the MethodCapsule.
- Parser -- This class defines the utilities to parse data for tokens, and keywords.
- Path -- This class implements the common methods to find nodes based on path.
- PersistenceRemover -- PersistenceRemover is a class that deletes files in a file system.
- Println -- This class implements methods to parse and execute dump statement.
- PrintPut -- This class implements the methods to execute print_put statement.
- Put -- This class implements methods to execute the Put statement.
- Query -- Query parses commands which modify data stored in Model.
- QueryJournal -- This class defines the interface for handling of .zip files.
- QueryJournalLoader -- This class defines the interface for loading a Journal file.
- Reader -- \$RCSfile: Reader.java \$ \$Revision: 1.2 \$.
- ReadWriteLock -- Very simple read/write lock manager.

- ReadWriteThread -- Track ReadWriteThreads used by ReadWriteLock.
- ReflectionAdapter -- This class defines an interface to Register an Event source.
- ReflectionCaller -- This class defines the interface for calling a MethodReflector.
- RemoteObjectLauncher -- This class defines the interface to launch a class by making a remote call.
- Replace -- This class defines the interface to execute replace statement.
- SeriesCapsule -- The SeriesCapsule allows one MethodCapsule.invoke() to cause a Vector of MethodCapsules to be invoked.
- ServerSyncQuery -- \$RCSfile: Model.java \$ \$Revision: 1.5 \$.
- Servlet -- Abstract base class for servlets to extend.
- ServletConfigObject -- Servlet Configuration Object.
- ServletConfiguration -- Configuration container for Servlet information.
- ServletControl -- Controller for starting servlets and watching for errors.
- ServletException -- Simple exception wrapper that adds an extra reason code.
- ServletFactory -- Creates, manages and fires JESS servlets.
- ServletQuery -- Tag a Servlet query.
- Session -- \$RCSfile: Session.java \$ \$Revision: 1.4 \$.
- Socket -- Smart socket implements mojo transport protocol.
- SourceAdapter -- Widely defined Adapter for adding and removing listeners from Objects that support the specific listener methods.
- SourceAdapterFactory -- for objects which support specific add/remove listener functions.
- Statement -- Public interface to parsing of single statement.
- StatementList -- This class is a list of Nodes.
- StringStuff -- Wrapper class around asundry string routines.
- Supervisor -- Supervisor for JESS.
- SupervisorEvent -- Class description goes here.
- SupervisorListener -- Class description goes here.
- SymbolPropertyChangeSupport -- Simple property change support to objectify the way we get and listen to symbols.
- TargetList -- This class is a list of Nodes with Qualification as the Node.
- Tuple -- Tuple represents a Vector of Strings.
- Type -- Simple Types for Model Strings.
- TypeChecker -- This class can be used to get a list of all the types supported by a Class, or to print the list to the screen.
- TypeDefinedException -- A Type of a particular name may only be created once.

- TypeEvent -- An element of a particular type has changed.
- TypeListener -- Changes to the Types in Model trigger these Listener.
- TypeMismatchException -- Mismatched types occurred.
- Types -- Simple container class for type configuration.
- TypeUnknownException -- An unknown Type was seen in a Query.
- UpdateServerSideId -- This class defines the interface to Update the ServersideId.
- User -- Handles a user, it's Model and servlets.
- UserDoneListener -- This class is an interface class to check if the User session count is zero, so that it can quit listening to a particular user.
- UserProfile -- This class defines the interface to update and retrieve userprofile.
- UserProfileException -- The exception that the servlet throws when user profile fetch fails.
- UserProfileServlet -- Servlet frontend for updating the internal.
- WalkEvent -- An element of a particular type has changed.
- Zap -- This class extends Statement and defines the Database command Zap to unzip the children from the model.
- ZipAppender -- ZipAppend is a class that copies one zip file into another and giving the ability to append entries.
- ZipStore -- ZipStore is a class that stores files into a zip file.

Java Interfaces

- AuthorizationListener -- Tells us when we have been authorized to talk to the system.
- DataServletListener -- This class extends EventListener to the dataservlet object, and sends a dataservlet response.
- IConnectionConfig -- Interface to allow auth data to be anonymous.
- IConnectionReAuth -- Interface for an object that can reauthorize a mojo connection.
- IErrorListener -- Fired when Model.log() is invoked.
- IHubAccessListener -- An interface for providing notification about changes to values of Objects in the Hub.
- ILoadListener -- Simple listener class used for notification when Model is loaded via Jess.
- ILogListener -- Fired when Model.log() is invoked.
- IModel -- This is an interface to get the Model Object.
- IServerLog -- This class is general purpose interface for implementing logging methods.
- IServletExitListener -- Simple listener to allow the ServletFactory to trap when servlets die.
- MJProxy -- This class invokes the proxy based on the type of request.
- ObjectArrivedListener -- This class extends EventListener for ObjectArrivedEvent.

- ServletExceptionListener -- Interface so that we can detect exceptions thrown from servlets.
- SupervisorListener -- Class description goes here.
- TypeListener -- Changes to the Types in Model trigger these Listener.
- UserDoneListener -- This class is an interface class to check if the User session count is zero, so that it can quit listening to a particular user.
- WalkListener -- Walk the model.

Subsystem DPL

java_archive EcOsBmgt

Java Classes

- BMGTElexportException
- Browse
- BulkMetadataGeneratorTool -- This is the BMGT's starting class which drives the entire bulk metadata generation process.
- Collection -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Collection.java.
- ColumnTagMapper
- Component
- ComponentException
- ComponentProcessorException
- ComponentProcessorHelper
- ContactInfo
- Data
- DataException
- DatasetEmitEvent -- This object signals dataset created and available event.
- DatasetEmitListener
- DatasetFarm -- Depending on context Dataset could imply - Granule, Browse or a Collection; Spawns dataset generator threads and listens to various types of events emanating from them; responsible for db connection pooling, maintenance of datasets (groupwise); handles get dataset requests; dataset generator thread created per esdt/ver[collection].
- DatasetGenerator -- A thread that executes stored procs, segregates resultsets into datasets, generates DatasetEmit, End of Data(end of proc execution), No Data events and notifies listeners; For granule: 2 stored procs are executed 1) execute proc with specified esdt/ver 2) execute another for each of the dbid returned in step1; For browse/collection: apply step 1 only.
- DplDB

- Driver -- The Driver class acts as a facade to the clients.
- DriverException -- Source file:
/ecs/formal/OSS/BMGT/src/bmgt/services/product/DriverException.java.
- EODataEvent -- This object signals end of proc execution;.
- EODataListener
- ESDT -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/ESDT.java.
- FileEntity
- FileGroup
- FileSpec
- GeneralProduct
- Granule -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Granule.java.
- Group -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Group.java.
- GroupProduct
- IComponentProcessor
- IData
- IDriver
- InvalidFileNotFoundException
- IOOrderedMap
- IProduct -- Provides interface for the product and all derived classes whose data need to be exported from Sybase server into an XML format.
- IResultSetProcessor
- Metadata
- NoDataEvent -- This object signals end of proc execution and zero datasets.
- NoDataListener
- OrderedHash -- A class derived from HashMap which overcomes the problem where the order of the keys may change with each rehash.
- OrderedHashMap
- OrderedHashtable -- A class derived from Hashtable which overcomes the problem where the order of the keys may change with each rehash.
- PDR
- Platform
- Product -- This is the abstract product class providing guidance to all other implementation classes on how to handle the data processing functionalities.
- ProductException -- Source file:
/ecs/formal/OSS/BMGT/src/bmgt/services/product/ProductException.java.

- PruneXmlDoc
- PSA
- ResultSetProcessor
- ResultSetProcessorException
- SimpleLoader -- Import org.w3c.dom.Document.
- Spatial
- SpatialDB
- SpecialCase -- This is a post processor dealing with special cases.
- ThreadResultSetProcessor
- Valid
- WorkQueue

Java Interfaces

- DatasetEmitListener
- EODataListener
- IComponentProcessor
- IData
- IDriver -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Driver.java.
- IOOrderedMap
- IProduct -- Provides interface for the product and all derived classes whose data need to be exported from Sybase server into an XML format.
- IResultSetProcessor
- NoDataListener

java_archive EcOsBmgt

Java Classes

- BMGTException
- Browse
- BulkMetadataGeneratorTool -- This is the BMGT's starting class which drives the entire bulk metadata generation process.
- Collection -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Collection.java.
- ColumnTagMapper
- Component
- ComponentException
- ComponentProcessorException

- ComponentProcessorHelper
- ContactInfo
- Data
- DataException
- DatasetEmitEvent -- This object signals dataset created and available event ;.
- DatasetEmitListener
- DatasetFarm -- Depending on context Dataset could imply - Granule, Browse or a Collection; Spawns dataset generator threads and listens to various types of events emanating from them; responsible for db connection pooling, maintenance of datasets (groupwise); handles get dataset requests; dataset generator thread created per esdt/ver[collection].
- DatasetGenerator -- A thread that executes stored procs, segregates resultsets into datasets, generates DatasetEmit, End of Data(end of proc execution), No Data events and notifies listeners; For granule: 2 stored procs are executed 1) execute proc with specified esdt/ver 2) execute another for each of the dbid returned in step1; For browse/collection: apply step 1 only.
- DplDB
- Driver -- The Driver class acts as a facade to the clients.
- DriverException -- Source file:
`/ecs/formal/OSS/BMGT/src/bmgt/services/product/DriverException.java.`
- EODataEvent -- This object signals end of proc execution;.
- EODataListener
- ESDT -- Source file: `/ecs/formal/OSS/BMGT/src/bmgt/services/product/ESDT.java.`
- FileEntity
- FileGroup
- FileSpec
- GeneralProduct
- Granule -- Source file: `/ecs/formal/OSS/BMGT/src/bmgt/services/product/Granule.java.`
- Group -- Source file: `/ecs/formal/OSS/BMGT/src/bmgt/services/product/Group.java.`
- GroupProduct -- .
- IComponentProcessor
- IData -- .
- IDriver -- .
- InvalidFileNotFoundException
- IOrderedMap
- IProduct -- Provides interface for the product and all derived classes whose data need to be exported from Sybase server into an XML format.

- IResultSetProcessor -- .
- Metadata
- NoDataEvent -- This object signals end of proc execution and zero datasets;.
- NoDataListener
- OrderedHash -- A class derived from HashMap which overcomes the problem where the order of the keys may change with each rehash.
- OrderedHashMap
- OrderedHashtable -- A class derived from Hashtable which overcomes the problem where the order of the keys may change with each rehash.
- PDR
- Platform
- Product -- This is the abstract product class providing guidance to all other implementation classes on how to handle the data processing functionalities.
- ProductException -- Source file:
/ecs/formal/OSS/BMGT/src/bmgt/services/product/ProductException.java.
- PruneXmlDoc
- PSA
- ResultSetProcessor
- ResultSetProcessorException
- SimpleLoader -- Import org.w3c.dom.Document.
- Spatial
- SpatialDB
- SpecialCase -- This is a post processor dealing with special cases.
- ThreadResultSetProcessor
- Valids
- WorkQueue

Java Interfaces

- DatasetEmitListener
- EODataListener
- IComponentProcessor
- IData
- IDriver -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Driver.java.
- IOrderedMap

- IProduct -- Provides interface for the product and all derived classes whose data need to be exported from Sybase server into an XML format.
- IResultSetProcessor.
- NoDataListener

java_archive EcOsBulkURL

Java Classes

- DI_DbPassword -- This class is used to obtain the database password based on a user id, the mode and the seed assigned to the user.
- DI_ProcessExecutor -- This class allows execution of an external process.
- DI_UncixCommandException -- Indicate errors that runtime.exec received from the KERNEL.

java_archive EcOsBulkURL

Java Classes

- DI_DbPassword -- This class is used to obtain the database password based on a user id, the mode and the seed assigned to the user.
- DI_ProcessExecutor -- This class allows execution of an external process.
- DI_UncixCommandException -- Indicate errors that runtime.exec received from the KERNEL.

Subsystem OMS

Subsystem OSS

java_archive EcOsBmgt

Java Classes

- BMGTExportException
- Browse
- BulkMetadataGeneratorTool -- This is the BMGT's starting class which drives the entire bulk metadata generation process.
- Collection -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Collection.java.
- ColumnTagMapper
- Component
- ComponentException
- ComponentProcessorException
- ComponentProcessorHelper
- ContactInfo

- Data
- DataException
- DatasetEmitEvent -- This object signals dataset created and available event.
- DatasetEmitListener
- DatasetFarm -- Depending on context Dataset could imply - Granule, Browse or a Collection; Spawns dataset generator threads and listens to various types of events emanating from them; responsible for db connection pooling, maintenance of datasets (groupwise); handles get dataset requests; dataset generator thread created per esdt/ver[collection];
- DatasetGenerator -- A thread that executes stored procs, segregates resultsets into datasets, generates DatasetEmit, End of Data(end of proc execution), No Data events and notifies listeners; For granule: 2 stored procs are executed 1) execute proc with specified esdt/ver 2) execute another for each of the dbid returned in step1; For browse/collection: apply step 1 only.
- DplDB
- Driver -- The Driver class acts as a facade to the clients.
- DriverException -- Source file:
/ecs/formal/OSS/BMGT/src/bmgt/services/product/DriverException.java.
- EODDataEvent -- This object signals end of proc execution;.
- EODataListener
- ESDT -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/ESDT.java.
- FileEntity
- FileGroup
- FileSpec
- GeneralProduct
- Granule -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Granule.java.
- Group -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Group.java.
- GroupProduct
- IComponentProcessor
- IData
- IDriver
- InvalidFileNotFoundException
- IOOrderedMap
- IProduct -- Provides interface for the product and all derived classes whose data need to be exported from Sybase server into an XML format.
- IResultSetProcessor
- Metadata

- NoDataEvent -- This object signals end of proc execution and zero datasets;.
- NoDataListener
- OrderedHash -- A class derived from HashMap which overcomes the problem where the order of the keys may change with each rehash.
- OrderedHashMap
- OrderedHashtable -- A class derived from Hashtable which overcomes the problem where the order of the keys may change with each rehash.
- PDR
- Platform
- Product -- This is the abstract product class providing guidance to all other implementation classes on how to handle the data processing functionalities.
- ProductException -- Source file:
/ecs/formal/OSS/BMGT/src/bmgt/services/product/ProductException.java.
- PruneXmlDoc
- PSA
- ResultSetProcessor
- ResultSetProcessorException
- SimpleLoader -- Import org.w3c.dom.Document.
- Spatial
- SpatialDB
- SpecialCase -- This is a post processor dealing with special cases.
- ThreadResultSetProcessor
- Valid
- WorkQueue

Java Interfaces

- DatasetEmitListener
- EODataListener
- IComponentProcessor
- IData
- IDriver -- Source file: /ecs/formal/OSS/BMGT/src/bmgt/services/product/Driver.java.
- IOorderedMap
- IProduct -- Provides interface for the product and all derived classes whose data need to be exported from Sybase server into an XML format.
- IResultSetProcessor

- NoDataListener

java_archive EcOsBulkURL

Java Classes

- DI(DbPassword) -- This class is used to obtain the database password based on a user id, the mode and the seed assigned to the user.
- DIProcessExecutor -- This class allows execution of an external process.
- DIUnixCommandException -- Indicate errors that runtime.exec received from the KERNEL.

java_archive EcOsCommon

Java Classes

- Application -- Title: Application Framework Description: Application framework for CORBA java servers Copyright: Copyright (c) Nathan Company: RSC .
- ApplicationException -- Title: Application Framework Description: Application framework for CORBA java servers Copyright: Copyright (c) Nathan Company: RSC .
- CollectionUtils.
- ComponentException -- Copyright (c) 1998, Raytheon Company, its vendors, and suppliers.
- ComponentFactory -- This class provides capabilities to create new component/object.
- Config
- ConfigException -- Title: Description: Copyright: Copyright (c) Company: .
- ConfigMgr -- Title: Application Framework Description: Application framework for CORBA java servers Copyright: Copyright (c) Nathan Company: RSC .
- ConnectionParams
- Constant -- Source file: /home/rsingh/esd/src/bmgt/utils/Constant.java.
- DatabaseManager
- DataNotFoundException -- Source file: /home/rsingh/esd/src/bmgt/infrastructure/DataNotFoundException.java.
- DateRange
- DBConnectionException
- DBConnectionManager -- A helper class for establishing a database connection and maintaining it.
- DocumentException -- Reports unexpected behavior encountered in the DocumentManager trying to process certain aspects of DocumentManager's services.
- DocumentManager -- DocumentManager class provides auxiliary services in dealing with XML documents, such as copying, cloning, appending, creating, parsing, etc.

- IApplication -- Title: Application Framework Description: Application framework for CORBA java servers Copyright: Copyright (c) Ramanand Company: RSC .
- IComponentFactory -- Source file:
/ecs/formal/OSS/common/src/util/factory/IComponentFactory.java.
- InvalidFileTypeException -- Unexpected file type (checking by extension or some other mechanism) encountered.
- IOUtils -- .
- Log -- Title: Description: Copyright: Copyright (c) Company.
- LogMgr -- Title: Description: Copyright: Copyright (c) Company.
- LogMgrException -- Title: Description: Copyright: Copyright (c) Company.
- LogUtils -- .
- MethodStore -- This class provides a storage location for reflection look ups.
- ObjectUtils -- Source file: /home/rsingh/esd/src/bmgt/utils/ObjectUtils.java.
- OrderedHashtable -- A class derived from Hashtable which overcomes the problem where the order of the keys may change with each rehash.
- OrderedHashtableTest
- SQLUtils
- TemplateBuilder
- TemplateSAXHandler
- XMLTypes

Java Interfaces

- IApplication -- Title: Application Framework Description: Application framework for CORBA java servers Copyright: Copyright (c) Ramanand Company: RSC .
- IComponentFactory -- Source file:
/ecs/formal/OSS/common/src/util/factory/IComponentFactory.java.

Java Classes

- HEGBuildParameters
- HEGChooserListModel
- HEGComboMaster
- HEGDriver
- HEGGridData -- Currently, the Stitch/Subset tool does not read the new 4thDim, 4thDimName, and BandName parameters.
- HEGHelpWindow
- HEGInFileWindow

- HEGInterface
- HEGLoadProps
- HEGOpenHdfEos
- HEGOutputInfo
- HEGProjParamDialog -- NAME: HEGProjParamDialog.java PURPOSE.
- HEGRunConversion
- HEGRunStitch
- HEGSPZoneDialog -- NAME: HEGSPZoneDialog.java PURPOSE.
- HEGStatusDialog -- Import java.awt.*; import java.awt.event.*; import javax.swing.*; import javax.swing.event.*.
- HEGStitchInterface
- HEGStitchOpen
- HEGStitchOutputInfo
- HEGSubsampleDialog -- NAME: HEGSubsample.java PURPOSE.
- HEGSwathData
- HEGTextIdPair
- HEGUtilities

Java Interfaces

- HEGConstants

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Appendix D. Scripts

This appendix lists all ECS scripts in alphabetical order by subsystem. Each script name is accompanied by a brief description.

It should be noted that this appendix contains scripts that are in the Drop 6A.08 code as well as those that are in later Drops but may not be fully operative until the delivery of the future Drops.

Subsystem DSS

The Data Server Subsystem (DSS) provides capabilities to store, search, retrieve, and distribute earth science and related data. The DSS provides data repositories and management capabilities necessary to safely store data on a permanent basis. The DSS stages data needed for data processing by the Data Processing Subsystem (DPS) or for retrieval by users at external locations. The DSS organizes and stores its data by data types, and provides advanced search capabilities and processing services on those data types in support of earth science data users. The DSS distributes data to users either electronically or on physical media. It also includes administrative capabilities to operate and manage its hardware and software.

Scripts

- acquire -- This script is designed to submit an acquire request to the SDSRV using the command line interface client.
- amass_backup -- File: amass_backup Launch amassbackup.
- BulkcopySource -- Uses the bulk copy utility, bcp, to copy data out to a system file from the database.
- BulkcopyTarget -- Uses the bulk copy utility, bcp, to copy data into the database from a system file.
- checksum.pl -- Synchronously checksum all the files in the SOURCE volume group into output_file.
- ClMuQaMetadataUpdate.tcl
- d3_dd.pl -- Dd files from the AMASS volume group archive directory source to the destination.
- debug_stmgt -- Writes status of many operations to a file that can then be sent to ECS for analysis.
- DsDbAsterPSAUpdate.ksh -- The script updates the ASTER PSA decription.
- DsDbBcpCreateIndexes -- The script will creates indexes and constraints which get dropped during the bcp process.
- DsDbBcpDropIndexes -- The script will drop indexes and constraints to help speed up the bcp in processes.

- DsDbBcpIn -- The script will bcp data into SDSRV tables.
- DsDbBcpInTemporalSize.ksh -- The script will populate DsMdTemporalSize table using bcp and file DsMdTemporalSize.dat.
- DsDbBcpOut -- The script will bcp data out of SDSRV tables.
- DsDbBtNotifierQueueCleanUp.ksh -- Deleting completed DsBtNotifierQueue entries older than <number_of_hours>.
- DsDbbuild_relb0_schema -- Load a SDSRV database.
- DsDbCheckObjects -- This scripts calls the ProcNumOfObjects * which checks the number of tables, stored procedures, triggers, and views.
- DsDbCleanCollection -- Remove DB table entries associated with a collection.
- DsDbCleanGranules -- This script removes DB table entries associated with an ESDT so it can be added again.
- DsDbCleanSingleGranule -- This script removes DB table entries for a single granule associated with a GEOFID so it can be added again.
- DsDbCreateTrigs -- The script will create all triggers in SDSRV database.
- DsDbDataThresh -- Establishes thresholds for the data segment.
- DsDbDeleteL7GranuleMetaData -- This script is designed to delete a geoid that represents either a L70R or L70RWRS granule.
- DsDbDeleteRequest.ksh -- Deleting done DsSiRequest based on createTime.
- DsDbDeleteRequestByRpcId -- Deleting DsSiRequest based on rpcId.
- DsDbDemergeL7GranuleMetaData -- This script is designed to demerge a geoid that represents either a L70R or L70RWRS granule.
- DsDbDesc -- Produce a listing of objects in the database.
- DsDbDropDataThresh -- Drop thresholds for the data segment.
- DsDbDropSchema
- DsDbDropTrigs -- The script will drop all triggers in SDSRV database.
- DsDbDumpTranLog -- Dump a SDSRV log.
- DsDbEDCFixLandsat7TimeOfDay.ksh -- Fixes problem found in Landsat data.
- DsDbGetGransByRpcID -- The purpose of this script is to report the number of granules associated with each rpcID to the user.
- DsDbIndexCreation.ksh -- The script will recreate indexes for the spatial tables.
- DsDbssql
- DsDbL70RWRSUpdateSize.ksh -- The script updates the SizeMBECSDataGranule field of DsMdGranules table for L7ORWRS granules with a fixed value of 495.6.
- DsDbLoad -- Load a SDSRV database.
- DsDbLoadTranLog -- Load a SDSRV log.

- DsDbMergeL7GranuleMetaData -- This script is designed to merge two geoids that represent either F1 and F2 granules or WRS1 and WRS2 granules.
- DsDbMisrMigrate.ksh
- DsDbMocExt -- Fetch a series of metadata information (ECS Attribute Name <=> L7 attribute name SP_STARTING_ROW <=> WRS_ROW, SP_STARTING_PATH <=> WRS_PATH, TimeOfDay <=> SCENE_CENTER_SCAN_TIME, QA_SCENE_CCA <=> SCENE_CCA) for a collection (For example, L70RWRS) and a fixed sensor (For example ETM+) from database and then convert the output file to a PC-DOS complaint format and then FTP to a remote site for further analysis usage.
- DsDbMoveESDTGranules -- Moving Granules from one ESDT to another ESDT.
- DsDbNullInputPointerCleanUp.ksh -- Deleting DsMdInputGranule InputPointer entries with values of NULL or.
- DsDbPathRowIndex.ksh -- The script will create index for the DsMdGrPathRow table.
- DsDbPathRowMigrate.ksh -- The script will migrate the data from DsMdGrIntegerInfoContent table to DsMdGrPathRow.
- DsDbPointIndexCreation.ksh -- The script will recreate indexes for the spatial table DsMdGrPoint.
- DsDbPointPopulate.ksh -- The script will populate primaryCollectionId of DsMdGrPoint table.
- DsDbPolygonPopulate.ksh -- The script will populate primaryCollectionId of DsMdGrGPolygon table.
- DsDbPromoteL7GranuleMetaData -- This script is designed to promote one geoid that represent either F1 or F2 granule to L70R type, or WRS1 orWRS2 granule to L70RWRS.
- DsDbRectanglePopulate.ksh -- The script will populate primaryCollectionId of DsMdGrBoundingRectangle table.
- DsDbRemoveLandsatData -- Landsat data Removal.
- DsDbSiRequestCleanUp.ksh -- Deleting completed DsSiRequest entries older than <number_of_hours>.
- DsDbSpatialSubSrvrTrigs.sql
- DsDbSqsBcpOrbitPolygon -- BCP Orbit Polygon data to DsMdOrbitPolygons table.
- DsDbSqsBcpOrbitPolygonEnv.ksh -- Environment variables for DsDbSqsBcpOrbitPolygon script.
- DsDbSrFileLocMetadata -- Recovery for Effected Lost Files.
- DsDbSrGranPHMetadata -- Recovery for Lost File List.
- DsDbStat -- The purpose of this script is to update the statistics of SDSRV DB tables.
- DsDbSybaseLogins -- ScienceDataServer Sybase Logins.
- DsDbThreshold -- Establishes thresholds for dumping the tran log.

- DsDbTruncateTable -- The script will delete truncate all SDSRV tables.
- DsDbUpdateSchema -- This is a conversion script from Drop 2 to Drop3 database schema for SDSRV only.
- DsDbUserCheck -- Check listed users are in the right group.
- DsDdARDelete -- Use to insert one Assignment Rule into the DsDd AssignmentRule Table.
- DsDdARIInsert -- Use to insert one Assignment Rule into the DsDd AssignmentRule Table.
- DsDdCopyLogTimeslice.pl
- DsDdDistribStats.pl
- DsDdRemoveMFiles.pl -- This script will delete all files with DDIST notification suffixes in the request directory and email response subdirs (e.g /Response/Sent and /FailedCancel/Sent) that are older than \$threshDays days, where \$threshDays is a configurable variable below.
- DsDdSendMailPl.pl -- Should be run with the Mode as the only argument.
- DsDdTPDelete -- Use to delete one Thread Pool into the DsDdThreadPool Table.
- DsDdTPIInsert -- Use to insert one Thread Pool into the DsDdThreadPool Table.
- DsStBcpIn -- The script will bcp data into all STMGT tables.
- DsStBcpOut -- The script will bcp data out from all STMGT tables.
- DsStCheckECodesHFtoDB.pl
- DsStCheckECodesHFtoSQL.pl
- DsStCheckECodesSQLtoDB.pl
- DsStCheckFtpLog.pl -- Instructions are provided at the very end of the file.
- DsStFindErrorneousVG.pl -- Test Script for Showing Errorneous volume Groups.
- DsStGRCleanup.ksh -- This script will call the GRClean.sp to Clean out the stmgt tables.
- DsStTruncateTable -- The script will truncate all data in STMGT tables.
- EcDbDatabaseVersionsUpdate.ksh -- Updates the EcDbDatabaseVersions table.
- EcDsAddOmsUser -- EcDsAddOmsUsers: The purpose of this script is to add Oms users to a given database.
- EcDsAddPdsUser -- EcDsAddPdsUser: The purpose of this script is to add PDS as a user to a given database and grant select permission to the appropriate tables.
- EcDsAddQAMUTUser -- EcDsAddPdsUser: The purpose of this script is to add EcDsQAMUT as a user to a given database and grant select, insert, update and delete permission on DsQAMUTESDTSite table.
- EcDsAddSynergyUser -- EcDsAddSynergyUser: The purpose of this script is to add Synergy users to a given database and grant select permission to all tables.
- EcDsCheckArchive -- This script is designed to compare the Archive against the SDSRV db inventory of Granules.
- EcDsCIMuQaMetadataUpdateMkcfg -- Make the config file for QA Metadata Update Tool.

- EcDsConvertAsterBrowse -- This script will add rows to the DsMdBrowseGranuleXref for Aster L1B/DEM granules for which a matching L1A/L1B granule (with browse) is found.
- EcDsDataDistributionAppMkcfg -- Generate DSS DsDd config files.
- EcDsDataDistributionAppStart -- Start the DSS server EcDsDataDistributionApp.
- EcDsDdDCLIMkcfg -- Distribution Server command line interface.
- EcDsDdDCLIStart -- Start the EcDsDistributionServer command line interface.
- EcDsDdEPDMkcfg -- Make the config files for EPDserver.
- EcDsDdEPDStart -- Start the DSS EPD.
- EcDsDdEPDStop
- EcDsDdistGuiMkcfg -- Generate DSS DsDd config files.
- EcDsDdistGuiStart -- Start the DSS DDIST GUI.
- EcDsDdMkcfg -- Top level Mkcfg file.
- EcDsDdPTEdit.pl -- A script to allow the user to change the limits for priority levels of threads in the DsDdPriorityThread db table.
- EcDsDdStart -- Start task for DSS Data Distribution (EcDsDd) component.
- EcDsDeletionCleanup.pl -- This perl script is called within itself the first time it's invoked so that it can be executed in a subshell.
- EcDsDistributionServerMkcfg -- Generate DSS DsDd config files.
- EcDsDistributionServerStart -- Start the DSS server EcDsDistributionServer.
- EcDsGranuleDeleteClientStart -- Starts Granule Deletion Client.
- EcDsGranuleDeleteMkcfg -- Make the config file for granule deletion tool.
- EcDsHdfEosServerMkcfg -- Make the config files for the EcDsHdfEosServer.
- EcDsHdfEosServerStart -- Run the DSS server EcDsHdfEosServer.
- EcDsQaMetadataUpdStart -- Starts QA Database Updater.
- EcDsQAMUT.pl -- This program is used for QAMUT Update.
- EcDsQAMUTAppMkcfg -- Application Level Mkcfg.
- EcDsQAMUTBcp.pl -- This script is used to bcp the file passed in from command line to DsQAMUTESDTSite table which contains two columns ShortName and Site.
- EcDsQAMUTEEmailScriptMkcfg -- Generate EcDsQAMUTEEmailScript.pl.
- EcDsQAMUTMkcfg -- Make the config files for the EcDsQAMUT.pl script.
- EcDsResetLock.pl -- This perl script is called within itself the first time it's invoked so that it can be executed in a subshell.
- EcDsResubmitMkcfg -- Make the config files for the EcDsResubmit tool.
- EcDsResubmitStart -- Starts the EcDsResubmit SDSRV client program.
- EcDsScienceDataServerAppMkcfg -- Mkcfg for ACFG file for Science Data Server.

- EcDsScienceDataServerAppStart -- DSS Science Data Server Application Start Up.
- EcDsScienceDataServerClientMkcfg -- Make the config files for the Science Data Server.
- EcDsScienceDataServerMkcfg -- Make the config files for the Science Data Server.
- EcDsScienceDataServerStart -- DSS Science Data Server start script.
- EcDsSCLIMkcfg -- Make the config file for EcDsSCLI.
- EcDsSdSrvGuiMkcfg -- Make the config files for the Science Data Server.
- EcDsSdSrvGuiStart -- Start the DSS SDSRV GUI.
- EcDsSdsrvTestStart -- EcDsSdsrvTest start script.
- EcDsSrAddesdt -- Add an ESDT to the SDSRV.
- EcDsSrCmpDesc -- EcDsSrCmpDesc - This program will compare ESDT descriptors between the DAAC installation area and the source area.
- EcDsSrConvertEvt -- Convert Event ID to database.
- EcDsSrDbBuild -- Build the SDSRV database schema.
- EcDsSrDbDrop -- Drop the SDSRV database schema.
- EcDsSrDbDump -- Dump a SDSRV database.
- EcDsSrDbGetDataFileNames -- This script will process a list of ECS unique file names and returns a list of the original data-provider file names for each of ECS unique file name.
- EcDsSrDbGetNewGranules -- This is a script to access the most recently inserted granules for ASTER Routine processing.
- EcDsSrDbL7Clean -- This script will logically delete all L70RWRS1 and L70RWRS2 granules that do not get clean up after the combining process.
- EcDsSrDbL7CleanRC -- This file is used by EcDsSrDbL7Clean to setup environment variables, which makes EcDsSrDbL7Clean more tunable.
- EcDsSrDbL7ErrorHandling -- This script allows the user to merge/demerge/delete L70R subintervals and scenes.
- EcDsSrDbL7ErrorHandlingRC -- This file is used by EcDsSrDbL7ErrorHandling to setup environment variables, which makes EcDsSrDbL7ErrorHandling more tunable.
- EcDsSrDbLoad -- Load a SDSRV database.
- EcDsSrDbMigrate -- Migrate SDSRV database from one mode to another.
- EcDsSrMkCdsEntry -- Make the CDS entries for DSS component EcDsSr.
- EcDsSrMkcfg -- Top level Mkcfg file.
- EcDsSrRmesdt -- Clean up ESDT so we can add via GUI interface.
- EcDsSrRmMediaOpts -- Remove distribution media options from descriptors.
- EcDsSrStart -- DSS Science Data Server component startup script.
- EcDsSrUpdateESDTAccess -- Update accessPermission field in DsMdCollections table.

- EcDsSrUpdateQAInRange -- Update temporalRestriction field in DsMdCollections table.
- EcDsSt8MMServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsSt8MMServerStart -- Start the DSS Stmgt server EcDsSt8MMServer.
- EcDsStAddDUE.ksh -- This script adds the DAAC Unique Extensions.
- EcDsStArchiveServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStArchiveServerStart -- Start the DSS Stmgt server EcDsStArchiveServer.
- EcDsStBulkCopyIn5B -- Uses the bulk copy utility to copy 5B data into the database from the system files.
- EcDsStBulkCopyOut5B -- Uses the bulk copy utility to copy data 5B out to a system file from the database.
- EcDsStCacheManagerServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStCacheManagerServerStart -- Start the DSS Storage Management pull monitor server.
- EcDsStCleanupDdistArchiveTables.ksh -- This script will clean out the DdistArchive tables.
- EcDsStConfigVolGrps -- The EcDsStConfigVolGrps script is used to create directories associated with ESDT's for a given host and make the required entries into a database.
- EcDsStCopyServer.exp -- This Expect script is used to control an interactive scp process to download a file.
- EcDsStCopyServer.pl -- This server program executes secure file copy requests on behalf of clients.
- EcDsStCopyServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStCopyServerStart -- Start the DSS STMGT Secure Copy Server.
- EcDsStCreate5BTranTables -- Creates 9 Stmgt 5B tables for 5B to 6A transition.
- EcDsStCreateESDTFile.ksh
- EcDsStDb6ALogins -- Add Stg Mgmt Server logins for 6A to Sybase SQL Server.
- EcDsStDbBuild -- Build the Storage Management database schema.
- EcDsStDbDataPoolUser -- Add Data Pool user to the Stmgt databases.
- EcDsStDbDataThresh -- Establishes thresholds for the data segment.
- EcDsStDbDesc -- Produce a listing of objects in the database.
- EcDsStDbDrop -- Drops all objects & users in the Stg Mgmt databases.
- EcDsStDbDropDataThresh -- Drop thresholds for the data segment.
- EcDsStDbDump -- Dump a Storage Management database.
- EcDsStDbDumpTrans -- Dump a Storage Management database.
- EcDsStDbLoad -- Load a Storage Management database.
- EcDsStDbLoadTrans -- Load a Storage Management database transaction log.

- EcDsStDbLogin -- Add Stg Mgmt Server logins to Sybase SQL Server.
- EcDsStDbPermissions -- Adds permissions to all objects in the Stg Mgmt databases.
- EcDsStDbSybaseUpgrade.ksh -- Set up subsystem-unique parameters.
- EcDsStDbThreshold -- Establishes thresholds for dumping the tran log.
- EcDsStDbUser -- Add all groups and users to the Stmgt databases.
- EcDsStDLServerLogin -- Add EcDsStDLTServer to Stg Mgmt Server logins Operator must have "sa" priviledges to run script.
- EcDsStDrop5BLogins -- Remove 5 B Logins from Sybase SQL Server Operator must have "sa" priviledges to run script.
- EcDsStDrop5BTranTables -- Drops 9 Stmgt 5 B tables for 5B to 6A transition.
- EcDsStDTFServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStDTFServerStart -- Start the DSS Stmgt server EcDsStDTFServer.
- EcDsStErrorFilesGeneratorStart -- Starts Error Files Generator Parameters: MODE, MOVE_FLAG 1 for YES or 0 for NO.
- EcDsStFilesPerTapeUtility -- This script is for recovering file information from an AMASS database or from a piece of media.
- EcDsStFtpServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStFtpServerStart -- Start the DSS Stmgt server EcDsStFtpServer.
- EcDsStMapVolGrpPathScript
- EcDsStmgtGuiMkcfg -- Generate config file for Storage Management GUI.
- EcDsStmgtGuiStart -- Start script for EcDsStmgtGui.
- EcDsStMkCdsEntry -- Make the CDS entries for DSS component EcDsSt.
- EcDsStMkcfg -- Top level Mkcfg file.
- EcDsStPullMonitorServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStPullMonitorServerStart -- Start the DSS Storage Management pull monitor server.
- EcDsStRequestManagerServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStRequestManagerServerStart -- Start the DSS STMGT Staging Monitor Server.
- EcDsStStagingDiskServerMkcfg -- Mkcfg task for the DSS Storage Management component.
- EcDsStStagingDiskServerStart -- Start the DSS STMGT Staging Disk Server.
- EcDsStStart -- DSS Storage Management Start Up.
- EcDsStStorageMgmtAppMkcfg -- Mkcfg for StorageManagement.
- EcDsStStorageMgmtAppStart -- DSS Storage Management Start Up.

- EcDsStTrans_Compress_Stats -- To insert values into the CompressionStats tables based on VolumeGroups existing in the VolumeGroupTable.
- EcDsStTransition5BTo6A -- Converts configuration information from 5B tables to the 6A schema.
- EcDsStVerDataTypeScript
- EcDsStVolGrpCreateMain.pl -- Open the file \$input_file for READING The file handle is called IN_FILE, this becomes how you refer to the file or handle it.
- EcDsUpdateESDTMkcfg -- Make the config files for the EcDsUpdateESDT tool.
- EcDsUpdateESDTStart -- Starts EcDsUpdateESDT program.
- EcTsDsClientDriverStart -- Start the EcTsDsClientDriver.
- getmcf -- This script is designed to submit a get mcf request to the SDSRV using the command line interface client.
- migration_configurator -- File: migration_configurator User interaction script to drive DMSS Last updated: 05/24/2001, Igor Nusinzon.
- monitor_stmgt_operations -- Monitor_stmgt_operations.
- vg_sync -- File: vg_sync Synchronize timestamps and user/group attributes on every file in 2 AMASS volume groups Last updated: 05/24/2001, Igor Nusinzon.

Subsystem INS

The **Ingest Subsystem** supports the storing of data into ECS repositories. This data is accepted from a variety of external data providers in various formats and is predefined within ECS with regard to expected metadata and metadata characteristics, and is ingested in accordance with approved Interface Control Documents (ICDs). The **Ingest Subsystem** supports a variety of ingest requests and preprocesses the data for archiving into ECS. This preprocessing varies according to attributes of the ingested data such as data type, data format, and the level to which the ingested data has been processed from raw instrument data.

The data types are formally referred to as Earth Science Data Types (ESDTs). An ESDT is a defined data set associated with a given mission/instrument or identified grouping and is registered in an ESDT Baseline List. The ESDT is identified with a short name, a long name, a collection description, and information on file type, metadata, formats, and services provided such as sub-setting by a given attribute. An example of an ESDT is AST_L1A (short name) which is the ASTER Level 1 A data set which is reconstructed, unprocessed instrument digital counts with radiometric and geometric coefficients attached. ESDTs may also be ancillary data, algorithms, correlative and calibration data.

The **Ingest Subsystem** software is organized into collections of software processes which execute in a specific pattern depending on the ESDT being ingested. These processes include an automated ingest process, a polling ingest process, a media ingest process, and a cross mode ingest process. These ingest processes provide the virtual interface for the receipt of all external data to be archived within the archival system of the ECS Science Data Processing Segment (SDPS). Specific ingest process parameters can be modified as interface and mission requirements evolve. For a given incoming data set corresponding to an ESDT, Ingest performs

data preprocessing, metadata extraction, and directs the DSSSDSRV to perform metadata validation.

Scripts

- EcInConvertPMPDRToPDR -- Script: EcInConvertPMPDRToPDR To convert a Physical Media PDR(PMPDR) into a PDR which can be used for Polling with Delivery Record.
- EcInCopyAM1ANC
- EcInDaoChange
- EcInDbBcpIn
- EcInDbBcpOut
- EcInDbBuild -- Build the Ingest database schema.
- EcInDbDataThresh -- Establishes thresholds for the data segment.
- EcInDbDesc -- Produce a listing of objects in the database.
- EcInDbDrop -- Drops all objects & users in the Ingest database.
- EcInDbDropDataThresh -- Drop thresholds for the data segment.
- EcInDbDump -- Dump a Ingest database.
- EcInDbDumpTrans -- Dump a Ingest database.
- EcInDbLoad -- Load an Ingest database.
- EcInDbLoadTrans -- Load an Ingest database transaction log.
- EcInDbLogin -- Add Ingest Server logins to Sybase SQL Server.
- EcInDbPermissions -- Add permissions to Ingest database objects.
- EcInDbReqSummaryTableCleanUp.ksh -- This script cleans data from the InRequest SummaryData and the InRequestSummaryHeader tables of the Ingest database.
- EcInDbThreshold -- Establishes thresholds for dumping the tran log.
- EcInDbUser -- Add all groups and users to the Ingest databases.
- EcInEDOSCleanupMain
- EcInEDOSCleanupSubroutine -- Fio find \$DIR -name "\$FILE" -print.
- EcInEmailGWServerMkcfg -- Make the config files for the INGEST EcInEmailGWServer.
- EcInEmailGWServerScriptMkcfg -- Generate IngestEmailParser scripts.
- EcInEmailGWServerStart -- Start the INGEST EcInEmailGWServer.
- EcInGranMkcfg -- Make config files for multiple INGEST EcInGran servers.
- EcInGranStart -- Start the INGEST server EcInGran.
- EcInGuiInstanceMkcfg -- Make config files for multiple INGEST Guis.
- EcInGUIMkcfg -- Make the config files for the INGEST EcInGUI server.
- EcInGUIStart -- Start the INGEST server EcInGUI.

- EcInIngestAppMkcfg -- Make the standard ACFG file for the INGEST subsystem.
- EcInIngestAppStart -- Start the application EcInIngestApp.
- EcInInitPasswdStart -- Start the INGEST test program EcInInitPasswd.
- EcInMkCdsEntry -- Make the CDS entries for the INGEST subsystem.
- EcInMkcfg -- Top level Mkcfg file.
- EcInMkDataDirs -- Make the data directories for INGEST.
- EcInPollClean -- Setenv ECS_HOME /usr/ecs setenv EcAgInstanceID 3434324234.
- EcInPollingLs.exp -- Read the password from STDIN.
- EcInPollingMkcfg -- Make config files for multiple INGEST EcInPolling servers.
- EcInPollingScp.exp -- Additional argument means scp all.
- EcInPollingStart -- Run the server EcInPolling.
- EcInPullDaoDataStart -- Starts process to retrieve Dao data from AMES(dixon0).
- EcInPushPanDataStart -- Starts process to push Pan file to AMES(dixon0).
- EcInRegenFailedPDRMkcfg -- Make the config files for the INGEST EcInRegenFailedPDR utility.
- EcInRegenFailedPDRStart -- Run the utility EcInRegenFailedPDR.
- EcInReqMgrMkcfg -- Make the config files for the INGEST EcInReqMgr server.
- EcInReqMgrStart -- Run the server EcInReqMgr.
- EcInStart -- Ingest System Servers Start Up.
- EcInTapeRdrMkcfg -- Make config files for INGEST Tape Reader Instances.
- EcInTapeReaderGUI -- INGEST Media Tape Reader GUI - Version 1.0.
- EcUtMapKeyToArchiveGSFCOnly.csh -- Check the usage - it should be EcUtMapKeyToArchive.csh <MODE> <Re-use interim reports flag: defaults to no>.
- IngestDao -- DAO data and PDR retrieval via scp.
- PushDaoPan -- Put description here.

Subsystem CLS

The Client Subsystem (CLS) provides a collection of components through which users access the services and data available in EOSDIS and other systems interoperable with EOSDIS. The Client Subsystem components fall into one of the following general categories: a) An intuitive desktop manager, which manages desktop objects (files) in the user's local file space, and which represent applications and data in the domain of the client; and b) Application programs accessible through user interfaces which implement the range of functionality available in the client.

Scripts

- ClOdASTERProdReqSys.cgi -- A Perl script to manage production request html forms for the ASTER Production Request System.

- ClOdDEMOOptions.pl -- The routines for creating ASTER PGE Options Specification Forms Assumes a header is in place and a trailer will be made.
- ClOdDumpGCP.pl -- The routines for creating ASTER PGE Options Specification Forms Assumes a header is in place and a trailer will be made.
- ClOdGenODFile.pl -- The routines for creating ASTER PGE ODFFile ODL format files.
- ClOdPGEOptions.pl -- The routines for creating ASTER PGE Options Specification Forms Assumes a header is in place and a trailer will be made.
- EcClCdsdel -- Remove CDS endpoints for CLS.
- EcClDtUserProfileGatewayAppMkcfg -- Mkcfg for CLS application EcClDtUserProfileGatewayApp.
- EcClDtUserProfileGatewayAppStart -- CLS subsystem EcClDtUserProfileGatewayApp application start.
- EcClDtUserProfileGatewayMkcfg -- Make the config files for User Profile Gateway.
- EcClDtUserProfileGatewayStart -- Start the CLS server EcClDtUserProfileGateway.
- EcClMkcfg -- Make the config files for the CLS subsystem.
- EcClOdProductRequestAppMkcfg -- Make the config files for the CLS subsystem.
- EcClOdProductRequestMkcfg -- Make the config file for Netscape Enterprise Server obj.conf.
- EcClWbJdtMkcfg -- Make the config files for JDT.

Subsystem DMS

The Data Management Subsystem (DMS) receives service request (to search the inventory or directory databases, to browse search results or to order data)from a user's client (i.e., a GUI), translates it from ODL to ECS formats,forwards it to the SDSRV and vice versa.

Scripts

- DmDbCleanCollection.csh -- This script removes DB table entries associated with a Collection so you can add it again.
- DmDbCleanCollection -- This script removes DB table entries associated with a Collection so you can add it again.
- DmDdBcpCopyIn.csh
- DmDdBcpCopyOut.csh
- DmDdBcpInitData.csh
- DmDdBcpTest.csh
- DmDdCreateAllRun.csh -- Echo -n "ADD this Read-Only user first? (y/n) " set adduser = \$< echo " ".
- DmDdDbRun.csh -- Dbrun, Run a ISQL script for a given database.

- DmDdDropAllRun.csh
- DmDdGrant.csh
- EcDmAddDMSUsers -- Add DMS Users to DMS database from cmd line.
- EcDmCopyIn.csh -- Check arguments.
- EcDmDataDictionaryAppMkcfg -- Mkcfg for DM application EcDmDataDictionaryApp.
- EcDmDataDictionaryAppStart -- DMS subsystem EcDmDataDictionaryApp application start.
- EcDmDbDataThresh -- Establishes thresholds for the data segment.
- EcDmDbDesc -- Produce a listing of objects in the database.
- EcDmDbDropDataThresh -- Drop thresholds for the data segment.
- EcDmDbFirewallCfg.ksh -- Set up subsystem-unique parameters.
- EcDmDbSSSUser -- Add Data Pool user to the Stmgt databases.
- EcDmDbStat -- The purpose of this script is to update the statistics of an index table.
- EcDmDbThreshold -- Establishes thresholds for dumping the tran log.
- EcDmDdDbBuild -- Build the EcDmDictService database schema.
- EcDmDdDbDrop.sql -- This is a drop script for the DMS Subsystem. It Drops the DMS database.
- EcDmDdDbDrop -- Drop all the objects of the database EcDm.
- EcDmDdDbDump -- Dump the DMS database and master database.
- EcDmDdDbDumpTran -- Dump the transaction logs for the DMS database.
- EcDmDdDbLoad -- Load the DMS database.
- EcDmDdDbLoadTran -- Load the DMS database transaction logs.
- EcDmDdDbMigrate -- Build the EcDmDictService database schema.
- EcDmDdMaintenanceToolMkcfg -- Mkcfg task for the DM Subsystem.
- EcDmDdMaintenanceToolStart -- Start the DMS EcDmDdMaintenanceTool.
- EcDmDictServerMkcfg -- Mkcfg task for the DM Subsystem.
- EcDmDictServerStart -- Start the DMS Dictionary Server.
- EcDmDropThresh.sql -- This is a stored procedure for the log transaction of the SYBASE database.
- EcDmMkcfg -- Top level Mkcfg file.
- EcDmStart -- DMS subsystem servers startup.
- EcDmSybaseLogins.sql -- EcDmDictService Sybase Logins.
- EcDmV0GatewaysAppMkcfg -- Mkcfg for DM application EcDmV0GatewaysApp.
- EcDmV0GatewaysAppStart -- DMS subsystem EcDmV0GatewaysApp application start.

- EcDmV0ToEcsGatewayMkcfg -- Mkcfg task for the DM Subsystem.
- EcDmV0ToEcsGatewayStart -- Start the DMS EcDmV0ToEcsGateway Server.

Subsystem PLS

The Planning Subsystem (PLS) supports the operations staff in managing the data productions activities at a site. It assists with two major functions:Defining the data processing tasks (processes to run) to be performed at a site. Generating efficient data productions plans for the scheduling of those tasks. In addition, PLS coordinates its activities with the Data Server and Data Processing subsystems to achieve a highly automated production system.

Scripts

- EcPlAllStart -- Start all PWB background processes and GUIs.
- EcPlCdsPingServers
- EcPlCreatePDPSDatabase -- Builds PDPS database * (called from EcPlDbBuild) * * *.
- EcPlDbBcpIn -- Csh script to dump database tables for PDPS.
- EcPlDbBcpOut -- Csh script to dump database tables for PDPS.
- EcPlDbBuild -- Builds the PDPS database schema.
- EcPlDbClean -- PDPS database clean up script.
- EcPlDbCleanArchive -- PDPS database Archive clean up script.
- EcPlDbDataThresh -- Establishes thresholds for the data segment.
- EcPlDbDrop -- Drops all objects in a PDPS database.
- EcPlDbDropDataThresh -- Drop thresholds for the data segment.
- EcPlDbDropUser -- Drop all groups and users to the PLS database.
- EcPlDbDump -- Dumps the PDPS database.
- EcPlDbDumpTran -- Dumps the PDPS transaction log.
- EcPlDbGrantPermissions -- Adds permissions to all objects in the PLS databases.
- EcPlDbList
- EcPlDbLoad -- Load the PDPS database.
- EcPlDbLoadTran -- Loads the PDPS transaction log.
- EcPlDbLockTable.sql -- Changed the Locking Scheme from page level locking to row level locking on DpPrFile, PlDprData, PlDataGranuleShort, PlDataProcessingRequest, and PlDataTypeMaster.
- EcPlDbLogins -- Adds any missing SQL server logins * (called from EcPlDbBuild) * * MODIFIED: 14 feb 2002 removed from build script and code added so that * it can be executed from command line * *.
- EcPlDbMigrate -- Migrates data from one version of the PDPS database to another *** NOTE: This script assumes that the new database is distinct from the old.

- EcPlDbResetMkcfg -- Generate config files.
- EcPlDbSaveMkcfg -- Generate config files.
- EcPlDbStat -- The purpose of this script is to update the statistics of an index table.
- EcPlDbThreshold -- Establishes thresholds for dumping the tran log.
- EcPlDbTruncateTable -- Csh script to clear database tables for PDPS.
- EcPlDbUser -- Add all groups and users to the PLS database.
- EcPlDetermineChain.pl -- Install where the Planning Workbench is run from.
- EcPlInitializePDPSDatabase -- Ksh script to initialize the PDPS database, inserting records that are needed to start PDPS.
- EcPlMkcfg -- Generate config files.
- EcPlMshStart -- Start the PLS EcPlMsh message handling process.
- EcPlOdMgrClientMkcfg -- Generate config files.
- EcPlOdMgrClientStart -- Start the PLS PlOdMgr Client.
- EcPlOdMgrMkcfg -- Generate config files.
- EcPlOdMgrStart -- Start the PLS server EcPlOdMgr.
- EcPlPlanNamesMkcfg -- Generate config files.
- EcPlPlanningAppMkcfg -- Mkcfg for PLS application EcPlPlanningApp.
- EcPlPlanningAppStart -- PLS subsystem EcPlPlanningApp application start.
- EcPlPRE_IFStart -- Start the PLS EcPlPREditor_IF GUI.
- EcPlPRE_ReadOnlyStart -- Start the PLS EcPlPREditor GUI in read only mode.
- EcPlPREditor_ReadOnlyMkcfg -- Generate config files 08/16/2001 Derrick Clark Change /bin/uuidgen to BINDIR/uuidgen.
- EcPlPREditorMkcfg -- Generate config files.
- EcPlPRGeneratorMkcfg -- Generate config files.
- EcPlPRGeneratorStart -- Start the PLS EcPlPRGeneratorStart.
- EcPlProdStratMkcfg -- Generate config files.
- EcPlProdStratStart -- Start the PLS EcPlProdStrat.
- EcPlRmMkcfg -- Generate config files.
- EcPlRmStart -- Start the PLS EcPlRm process.
- EcPlRpAllStart -- Start all RPL background processes and message handler.
- EcPlRpFetchBaseline -- Source the Tivoli environment script.
- EcPlRpReMkcfg -- Generate config files.
- EcPlRpReStart -- Start the PLS PlRpRscEditor GUI.
- EcPlRpRmMkcfg -- Generate config files.

- EcPIRpRmStart -- Start the PLS PIRpRscModel process.
- EcPIRpSiMkcfg -- Generate config files.
- EcPIRpSiStart -- Start the PLS PIRpRscResv process.
- EcPIRpSlayAll -- Kill all RPL processes.
- EcPIRpTlMkcfg -- Generate config files.
- EcPIslay
- EcPIslayAll -- Kill all PWB processes.
- EcPIsnsStart -- Start the PLS (RPL&PWB) EcPIsns process.
- EcPIsomeStart -- Start the background processes for the PWB.
- EcPIstart -- PLS subsystem servers startup.
- EcPIsubMgrMkcfg -- Generate config files.
- EcPIsubMgrStart -- Start the PLS server EcPIsubMgr.
- EcPIsubsEditMkcfg -- Generate config files.
- EcPIsubsEditStart -- Start the PLS EcPIsubsEdit client.
- EcPITimelineMkcfg -- Generate config files.
- EcPITIMkcfg -- Generate config files.
- EcPITIStart -- Start the PLS EcPITI GUI.
- EcPIwbMkcfg -- Generate config files.
- EcPIwbStart -- Start the PLS EcPIwb GUI.

Subsystem DPS

The Data Processing Subsystem (DPS) executes Data Processing actions and manages the data processing resources at a provider site.

Scripts

- Adsx.pm -- \$Source: /drive/c/home/wiegand/aqua/j2000tomean/RCS/Adsx.pm,v \$ \$Date: 2003/02/25 18:51:11 \$.
- atFunctions.pm -- \$Source: /drive/c/home/wiegand/aqua/j2000tomean/RCS/atFunctions.pm,v \$ \$Date: 2003/02/28 15:17:41 \$.
- cco.pm -- Update quaternions in carryout file.
- DaacBinDiff_Ex_array_records.sh -- Contains IDL language here document shell script.
- DpAtMgrBinDiffTemplate.sh -- Contains IDL language here document shell script.
- EcDpAtBadFuncGuiMkcfg -- Generate config files.
- EcDpAtBadFuncMkcfg -- Generate config files.
- EcDpAtBinDiffGuiMkcfg -- Generate config files.

- EcDpAtCheckODLMkcfg -- Generate config files.
- EcDpAtCheckPCFMkcfg -- Generate config files.
- EcDpAtCommonMkcfg -- Generate config files.
- EcDpAtConfig -- Generate config files.
- EcDpAtCreateODLTemplateMkcfg -- Generate config files.
- EcDpAtGetMCFMkcfg -- Generate config files.
- EcDpAtInsertExeTarFileMkcfg -- Generate config files.
- EcDpAtInsertStaticFileMkcfg -- Generate config files.
- EcDpAtInsertTestFileMkcfg -- Generate config files.
- EcDpAtMgrMkcfg -- Generate config files.
- EcDpAtMgrStart -- Start the DPS EcDpAtMgr server.
- EcDpAtMkcfg -- Top level Mkcfg file.
- EcDpAtOpDbGuiMkcfg -- Generate config files.
- EcDpAtProcessODLs -- Export all variables.
- EcDpAtPrologsMkcfg -- Generate config files.
- EcDpAtRegisterPGEMkcfg -- Generate config files.
- EcDpAtSSAPGuiMkcfg -- Generate config files.
- EcDpAtStageDAPMkcfg -- Generate config files.
- EcDpAtStartSSIT
- EcDpDbPromotePge.ksh -- PDPS PGE Promotion script.
- EcDpDbPromotePgeDb.ksh -- PDPS PGE Promotion script.
- EcDpDbPromotePgeInsert.pl
- EcDpDbPromotePgeUR.ksh -- PDPS PGE Promotion script.
- EcDpPrAm1EdosEphAttDPREP_PGE -- A M - 1 P R E P R O C E S S I N G P G E.
- EcDpPrAutoconsMkcfg -- Generate config files.
- EcDpPrAutosysMkcfg -- Generate config files.
- EcDpPrAutosysStart -- Sets environment variables required for execution of Autosys.
- EcDpPrCleanMaintMachineFiles.pl -- Code Parse parameters and derive whatever necessary.
- EcDpPrCommonMkcfg -- Generate config files.
- EcDpPrDeletionClientMkcfg -- Generate config files.
- EcDpPrDeletionClientStart -- Start the DPS EcDpPrDeletionClient.
- EcDpPrDeletionMkcfg -- Generate config files.
- EcDpPrDeletionStart -- Start the DPS server EcDpPrDeletion.

- EcDpPrDisplayJobStates -- Echo "Script invoked that processes Autosys JAC pushbuttons".
- EcDpPrDMMkcfg -- Generate config files.
- EcDpPrEMGetAncHeaders -- This command utility is used to extract the header record of the Toolkit ancillary file which is pointed to by the Logical Unit Number.
- EcDpPrEMMkcfg -- Generate config files.
- EcDpPrGarbageCollectorStart -- Start the DPS EcDpPrDeletionClient.
- EcDpPrGEMkcfg -- Generate config files.
- EcDpPrJobMgmtClientMkcfg -- Generate config files.
- EcDpPrJobMgmtClientStart -- Start the DPS JobMgmt Client.
- EcDpPrJobMgmtMkcfg -- Generate config files.
- EcDpPrJobMgmtStart -- Start the DPS server EcDpPrJobMgmt.
- EcDpPrLoadTable.pl -- Script to add/update/delete data from a table as specified in a flat file with a particular format.
- EcDpPrMkcfg -- Top level Mkcfg file.
- EcDpPrMkPgeTar -- Creates PGE tar files.
- EcDpProcessingAppMkcfg -- Mkcfg for DPS/PRONG application EcDpProcessingApp.
- EcDpProcessingAppStart -- DPS/PRONG subsystem servers startup.
- EcDpPrPm1PrecessGbadDPREP_PGE -- This k-shell script runs the GBAD precession program.
- EcDpPrQaMonitorGUIMkcfg -- Generate config files.
- EcDpPrQaMonitorGUIStart -- Start the DPS EcDpStartPrQaMonitorGUI server.
- EcDpPrRestartFailedJobs -- Enforce declaration.
- EcDpPrRestartFailedJobsMkcfg -- Generate config files.
- EcDpPrRmFilesWOGranules.pl -- This script is written to synchronize PDPS database tables (e.g. PlDataGranuleShort, DpPrFile, DpPrDiskAllocation...).
- EcDpPrRMMkcfg -- Generate config files.
- EcDpPrSMFCopy -- This shell script copies SMFs file from toolkit message directory to PGE directory.
- EcDpPrStart -- DPS subsystem servers startup.
- EcDpPrToolkitMkcfg -- Generate config files.
- EcDpPrViewJobStatesMkcfg -- Generate config files.
- EcDpScAutosysMkcfg -- Generate config files.
- EcDpScMkcfg -- Top level Mkcfg file.
- EcDpScToolkitMkcfg -- Generate config files.
- xdiff

Subsystem CSS

The Communications Subsystem (CSS) provides for the interconnection of users and service providers, transfer of information within the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) and between ECS and many EOSDIS components and management of all ECS communications components. It supports and interacts with the Management Support Subsystem (MSS), Flight Operations Segment (FOS) and the other ECS subsystems.

Scripts

- CsNmCreateGroup
- CsNmCreateTable -- Create the NameServer database.
- CsNmDbCheckObjects -- This scripts calls the CsNmDbNumObObjects.sp * which creates a temporary stored procedure that checks * the number of tables, stored procedures, triggers, and views.
- CsNmDbLogins -- Check arguments.
- CsNmDbThreshold -- This is a stored procedure for the log transaction of the SYBASE NameServer database.
- CsNmDbUser -- Css_rg_db Sybase Logins.
- CsNmPermissions -- Add permissions to NameServer database objects.
- dbDeleteEvents.csh -- Script will take DBUSERNAME and DBPASSWD from enviroment.
- DriverTestMkcfg -- Generate config files.
- DriverTestStart -- Start the test driver DriverTest.
- EcCsAnalyzeALOGStart -- Start anallog - a binary that gives the summary of the given .ALOG file Arguments : MODE and an ALOG path/filename.
- EcCsBuildRgyCache -- Builds Registry Cache Table.
- EcCsEmailParserAppMkcfg -- Mkcfg for CSS application EcCsEmailParser.
- EcCsEmailParserAppStart -- CSS subsystem EcCsEmailParserApp application start.
- EcCsEmailParserMkcfg -- Generate config files.
- EcCsEmailParserscriptMkcfg -- Generate emailparser scripts.
- EcCsEmailParserStart -- Start the server EcCsEmailParser.
- EcCsEncryptPasswd -- Run the CSS EncryptPasswd utility.
- EcCsErrorNavToolStart -- Start ent - a tool to browse ALOGExplanations.txt Arguments: If none are given then/data ALOGExplanations.txt is opened, ingested and the user is prompted to enter a portion of an ALOG message.
- EcCsIdMkCdsEntry -- Make the CDS entries for CSS Subscription Server.
- EcCsIdMkcfg -- Top level Mkcfg file.
- EcCsIdPingServers -- Ping servers using HST sockets middleware.

- EcCsIdStart -- CSS/EcCsId component servers startup.
- EcCsLogCtrlAppMkcfg -- Application Level Mkcfg.
- EcCsMojoGatewayAppMkcfg -- Mkcfg for CSS application EcCsMojoGateway.
- EcCsMojoGatewayAppStart -- CSS subsystem EcCsMojoGatewayApp application start.
- EcCsMojoGatewayMkcfg -- Generate config files for MOJO Gateway.
- EcCsMojoGatewayStart -- Start the server EcCsMojoGateway.
- EcCsMtMGatewayAppMkcfg -- Mkcfg for CSS application EcCsMtMGatewayAppMkcfg.
- EcCsMtMGatewayAppStart -- CSS Machine to Machine Gateway Application Start Up.
- EcCsMtMGatewayMkcfg -- Make the config files for the EcCsMtMGateway.
- EcCsMtMGatewayStart -- Run the CSS server EcCsMtMGateway.
- EcCsMtMSIPSscript -- Configure SIPS Commands.
- EcCsNmCommonAppMkcfg -- Application Level Mkcfg.
- EcCsNmCommonMkcfg -- Generate fos_services file for EcCsIdNameServer.
- EcCsNmDbBuild -- This is an installation script for the NameServers database.
- EcCsNmDbDrop -- This is a drop script for the CSS Subsystem It Drops the NameServer database.
- EcCsNmMkcfg -- Top level Mkcfg file.
- EcCsNmNameServerStart -- Start the server EcCsIdNameServer.
- EcCsPerfLogProcessor.pl -- Extract performance information from log files.
- EcCsRegistryGUIMain -- Start the Registry GUI.
- EcCsRegistryStart -- Start the CSS EcCsRg client EcCsRegistry.
- EcCsRgCreateGroup.sql
- EcCsRgCreateTable.sql -- Create the Registry database.
- EcCsRgDatabaseVersions.sql
- EcCsRgDbBuild -- This is an installation script for the Registry.
- EcCsRgDbCheckObjects.sql -- This script calls the EcCsRgDbNumObObjects.sp * which creates a temporary stored procedure that checks * the number of tables, stored procedures, triggers, and views.
- EcCsRgDbDrop.sql -- This is a drop script for the CSS Subsystem It Drops the CSSRegistry database and the Accountability database.
- EcCsRgDbDrop -- This script drops the EcRg database. This is a driver for the EcCsRgDrop.sql.
- EcCsRgDbLogins -- Check arguments.
- EcCsRgDbThreshold.sql -- This is a stored procedure for the log transaction of the SYBASE Registry database.

- EcCsRgDbUser -- Css_rg_db Sybase Logins.
- EcCsRgModifyLogins -- Check arguments.
- EcCsRgPermissions.sql
- EcCsSbDbBuild -- Build the Subscription Server Database.
- EcCsSbDbClean.csh -- Script will take DBUSERNAME and DBPASSWD from environment.
- EcCsSbDbDataThresh -- Establishes thresholds for the data segment.
- EcCsSbDbDeleteAllFailedActionItems.csh
- EcCsSbDbDeleteFailedActionItemByRpcID.csh
- EcCsSbDbDeleteFailedActionItemBySubID.csh
- EcCsSbDbDeleteOneActionItemByIdentity.csh
- EcCsSbDbDesc -- Produce a listing of objects in the database.
- EcCsSbDbDrop -- Drops all objects in a SBSRV database.
- EcCsSbDbDropDataThresh -- Drop thresholds for the data segment.
- EcCsSbDbDump -- Dumps the SubServer database.
- EcCsSbDbDumpTran -- Dumps the SubServer transaction log.
- EcCsSbDbGetFailedActionInTrigger.csh
- EcCsSbDbGetFailedEventInTrigger.csh
- EcCsSbDbLoad -- Loads the SubServer database.
- EcCsSbDbLoadTran -- Loads the SubServer transaction log.
- EcCsSbDbPermissions -- Add database users and grant permissions.
- EcCsSbDbRetryActionsByRpcID.csh
- EcCsSbDbRetryAllActions.csh
- EcCsSbDbStat -- The purpose of this script is to update the statistics of an index table.
- EcCsSbDbThreshold -- Establishes thresholds for dumping the tran log.
- EcCsSbListAllActions.csh
- EcCsSbListSubWorkOff.csh
- EcCsSbRetryOneAction.csh
- EcCsTestDar.csh
- EcDbDatabaseVersions
- EcGwAsterGatewaysAppMkcfg -- Mkcfg for CSS application EcGwAsterGateways.
- EcGwAsterGatewaysAppStart -- CSS subsystem EcGwAsterGatewaysApp application start.
- EcGwDARServerMkcfg -- Generate config files.
- EcGwDARServerStart -- Start the server EcGwDARServer.

- EcLgLogCtrlMkcfg -- Generate config files.
- EcLgLogCtrlStart -- Start EcLgLogCtrlStart.
- EcRgRegGui -- Main menu for ECS EcRgRegGui Version 1.0.
- EcRgSetMultipleValues -- Main menu for ECS EcRgRegGui Version 1.0.
- EcSbDatabaseUsers.sql -- SubServer Sybase Logins.
- EcSbDropUser -- SubServer Sybase Users.
- EcSbGuiMkcfg -- Generate config files.
- EcSbSubClientMkcfg -- Generate config files.
- EcSbSubServerAppMkcfg -- Mkcfg for CSS application EcSbSubServer.
- EcSbSubServerAppStart -- CSS subsystem EcSbSubServerApp application start.
- EcSbSubServerGUIStart -- Start the Subscription GUI.
- EcSbSubServerMkcfg -- Generate config files.
- EcSbSubServerStart -- Start the server EcSbSubServer.
- EcSbSybaseLogins.sql -- SubServer Sybase Logins.
- MtMTestScript002
- runrgclient.csh
- SweeperStart -- Start Sweeper.
- update1900.csh -- Update subscriptions with Expiration Date as 1900.

Subsystem MSS

The System Management Subsystem (MSS) provides support software services in the fault, configuration, accountability, performance, and security management areas. It is implemented using some custom software but relies heavily on standards-based COTS products. In many cases, a COTS product needs no custom software to meet requirements. Where custom software is required it is saved in these directories.

Scripts

- alterDsiConnection.rcl -- Alter DSI Connection to replicate database.
- assign_actions.rcl -- Create function strings class.
- comp_UsrTbl_template
- EcMsAccountabilityAppMkcfg -- Mkcfg for MSS application EcMsAccountabilityApp.
- EcMsAccountabilityAppStart -- MSS Accountability component startup script.
- EcMsAcDAACRegUserGUIMkcfg -- Generate config files.
- EcMsAcDAACRegUserGUIStart -- Start the MSS GUI EcMsAcDAACRegUserGUI.
- EcMsAcMkCdsEntry -- Make the CDS entries for MSS component EcMsAc.
- EcMsAcMkcfg -- Top level Mkcfg file.

- EcMsAcOrderGUIMkcfg -- Generate config files.
- EcMsAcOrderGUIStart -- Start the MSS GUI EcMsAcOrderGUI.
- EcMsAcOrderMkCdsEntry -- Make the CDS entries for MSS component EcMsAc.
- EcMsAcOrderSrvrMkcfg -- Generate config files.
- EcMsAcOrderSrvrStart -- Start the MSS Order Tracking Manager.
- EcMsAcRegUserMkCdsEntry -- Make the CDS entries for MSS component EcMsAc.
- EcMsAcRegUserSrvrMkcfg -- Generate config files.
- EcMsAcRegUserSrvrStart -- Start the MSS Register User Manager.
- EcMsAcSMCRegUserGUIMkcfg -- Generate config files.
- EcMsAcSMCRegUserGUIStart -- Start the MSS GUI EcMsAcSMCRegUserGUI.
- EcMsAcStart -- MSS Accountability component startup script.
- EcMsActDbLogins -- November 04, 1 A new user was added for the replication mss_acct_db Sybase Logins.
- EcMsActDbUser -- Add all groups and users to the MSS database.
- EcMsAcUsrProfileExpireWarning.csh
- EcMsAsAddHeader.pl -- Perl script that adds the Aster Header to outbound email messages.
- EcMsAsRemoveHeader.pl -- Perl script that strips the Aster Header from inbound email messages.
- EcMsBcpIn -- The script will bcp data into all MSS tables.
- EcMsBcpOut -- The script will bcp data out from all MSS tables.
- EcMsDbBuild -- This is an installation script for the MSS Subsystem It installs the MSS database and the Accountability database The following directories must be present for the installation.
- EcMsDbCheckObjects.sql -- This scripts calls the EcMsDbNumObObjects.sp * which creates a temporary stored procedure that checks * the number of tables, stored procedures, triggers, and views.
- EcMsDbDataThresh -- Establishes thresholds for the data/index segment.
- EcMsDbDefaultDB.ksh -- This script changes the default database for all users to tempdb.
- EcMsDbDisplayActiveRequests -- This is a script to call the stored procedure ProcDisplayActiveProcRequests, which displays the active on-demand processing requests.
- EcMsDbDrop -- This script drops the db_mss and db_acct databases This is a driver for the EcMsDbDrop.sql.
- EcMsDbDump -- Dump the mss_db, mss_acct and master databases.
- EcMsDbDumpTran -- Dump the transaction logs for the mss_db, mss_acct databases This scripts is meant to be run from the command line Please provide the appropriate parameters.

- EcMsDbLoad -- Load the mss_db and mss_acct databases. This script should be run by a sybase SA.
- EcMsDbLoadTran -- Load the mss_db and mss_acct databases transaction logs This script is meant to be run an a SA sybase.
- EcMsDbPDS.ksh -- This is a special script to add the PDS user.
- EcMsDbStat -- The purpose of this script is to update the statistics of an index table.
- EcMsDbThreshold.sql -- This is a stored procedure for the log transaction of the SYBASE database.
- EcMsDropUser -- Drops all objects & users in the MSS Database.
- EcMsTtEnviroMkcfg -- Generate config files.
- EcMsTtHTMLMkcfg -- Generate config files.
- EcMsTtMkcfg -- MSS/EcMsTt Mkcfg file.
- EcMsTtTroubleTicketMkcfg -- Generate config files.
- EcRsDbDataThreshold -- Establish thresholds for the data/index segment and logs a warning message in the RSSD server errorlog to indicate that the RSSD database needs more space when the default segment is 80% or 90% full.
- EcRsDbDumpDb.template -- Dump the RSSD database.
- EcRsDbDumpDbInstall -- This script is run at installation time.
- EcRsDbDumpTran.template -- Dump the RSSD database transaction log.
- EcRsDbDumpTranInstall -- This script is run at installation time.
- EcRsDbLogThreshold -- Establish thresholds for the log segment and logs a warning message in the RSSD server errorlog when the RSSD database transaction log is 80% full.
- EcRsErrorNotifyPDS.template -- This script will send an e-mail message to notify RSAs that a entry was made in the SQL Server errorlog because of a possible replication system fault.
- EcRsErrorNotifyPDSInstall -- This script is run at installation time.
- EcRsErrorNotifyRSSD.template -- This error notification script will determine if any failed replication transaction errors were written to the RSSD exception log.
- EcRsErrorNotifyRSSDInstall -- This script is run at installation time.
- EcRsEventAction.template -- This is the notification script that will be initiated by the RSM Server each time a server, route, connection, partition, queue or database event or condition occurs on the Replication Server system.
- EcRsEventActionInstall -- This script is run at installation time.
- EcRsMsRepDefMsAcUsrProfile.rcl -- This script will create the replication definition for the McAcUsrProfile table to make the primary data available for replication.
- EcRsMsSubMsAcUsrProfile.rcl -- This script will create the subscription for the MsAcUsrProfile table primary data to be replicated.
- ErrorClass.rcl -- Create Error class.

- functionStringClass.rcl -- Create function strings class.
- MsAcUsrProfileFunctionString.rcl -- Create function strings for rs_insert.
- rs_UsrInstall -- This script is run at installation time.
- rs_UsrMain -- Rs_main is the driver for the cron job to run.
- verify_config.sql -- This file is to verify if the configuration in the rs_UsrProfile.cfg file is correct.

Subsystem DPL

Scripts

- DI_DbArchiveAccessStat
- DI_DbBatchInsert.sp
- DI_DbBcpIn -- The script will bcp data into DataPool tables.
- DI_DbBcpOut -- The script will bcp data out of DataPool tables.
- DI_DbBuild_Schema -- Load a DPL database.
- DI_DbCheckObjects -- This scripts calls the ProcNumOfObjects * which checks the number of tables, stored procedures, triggers, and views.
- DI_DbDataThresh -- Establishes thresholds for the data segment.
- DI_DbDataWarehouse.sp
- DI_DbDeleteAccessStat
- DI_DbDpiu.sp
- DI_DbDpmMaintGUI.sp
- DI_DbDropDataThresh -- Drop thresholds for the data segment.
- DI_DbDropSchema -- Drop the DPL database schema.
- DI_DbPopulateCollections -- Populates DI_Collections table using data from SDSRV DB.
- DI_DbPopulateDimQA
- DI_DbPopulateDimTables -- The script will Populate the Dimension tables.
- DI_DbPopulateFactGroupESDT.ksh -- The script populates the DI_FactGroupESDT table for granules in tmpGranule.
- DI_DbRestoreAccessStat
- DI_DbSqsBcpOrbitPolygon -- BCP Orbit Polygon data to DI_OrbitPolygons table.
- DI_DbSqsBcpOrbitPolygonEnv.ksh -- Environment variables for DI_DbSqsBcpOrbitPolygon script.
- DI_DbSybaseLogins -- Data Pool Sybase Logins.
- DI_DbThreshold -- Establishes thresholds for dumping the tran log.
- DI_DbTruncateTable -- The script will truncate all DataPool data.

- DlDbUserCheck -- Check listed users are in the right group.
- EcDlActionDriverMkcfg -- Make the config file for the Data Pool ActionDriver.
- EcDlActionDriverStart -- Datapool Action driver stat script.
- EcDlBatchInsert.pl -- Subscriptions for inserting batches of granules, either ECS or non-ECS, into the Data Pool.
- EcDlBatchInsertMkcfg -- Make the config file for the Batch Insert utility.
- EcDlCheckSumFused -- This shell script runs the EcUtCheckSum binary within a FUSED SAN environment.
- EcDlCheckSumNotFused -- This shell script runs the EcUtCheckSum binary within a NON FUSED SAN environment.
- EcDlCleanupDataPool.pl -- Cleanup/Validation Utility 2.0.
- EcDlCleanupDataPoolMkcfg -- Make the config file for the Cleanup utility.
- EcDlCommonTools.pm -- This module contains several common functions for use in Data Pool scripts.
- EcDlConfig.pm -- This module contains Perl functions to process a configuration file containing configuration parameter- value pairs in the format: ParameterName = ParameterValue, one pair per line.
- EcDlConfig.pm -- This perl module contains generalized functions to process a configuration file.
- EcDlDateTime.pm
- EcDlDbBuild -- Build the DPL database schema.
- EcDlDbInterface.pm -- A database interface package for use by the Synergy II Data Pool team.
- EcDlDpm.pm -- A package for use DataPool Maintenance GUI.
- EcDlDpmAddTheme.pl -- This perl module will add a new theme.
- EcDlDpmBatchSummary.pl
- EcDlDpmCollDescriptions.pl -- This perl module will display the description for a Collection.
- EcDlDpmCollNotInDataPool.pl -- This perl module will display the description for a Collection not currently in the Data Pool.
- EcDlDpmConfigParms.pl -- EcDlConfigParms.pl.
- EcDlDpmFilePath.pl -- EcDlDpmXmlFilePath.pl.
- EcDlDpmFileText.pl -- EcDlDpmXmlFileText.pl.
- EcDlDpmHelp.pl
- EcDlDpmHomePage.pl -- This perl module will display the Data Pool Maintenance Home Page.

- EcDlDpmInsertQueue.pl
- EcDlDpmInsertQueueFilter.pl -- This perl module will display the Insert Queue Entries for Data Pool.
- EcDlDpmInsertQueueList.pl -- This will create the buttons for filter.
- EcDlDpmLoadConfig.pm
- EcDlDpmLoadGlobal.pm
- EcDlDpmLoadHeader.pm -- This module is used by all the screens.
- EcDlDpmManageCollections.pl -- This perl module will display the Collections for a Collections Group.
- EcDlDpmManageCollGroups.pl -- This perl module will allow the operator to manage Collection Groups.
- EcDlDpmManageNon-ECSCollections.pl -- This perl module will display the Collections for a NON-ECSCollection Group.
- EcDlDpmMkcfg -- Make the config files for the Data Pool Maint GUI.
- EcDlDpmModifyThemes.pl
- EcDlDpmThemesFilter.pl
- EcDlDpmThemesFrame.pl
- EcDlDpmThemesList.pl -- This will create the buttons for filter.
- EcDlFtpRollupMkcfg -- Make the config files for the FTP version of the DPASU.
- EcDlGetGranIds.pl -- Utility to get Granule IDs from DataPool database.
- EcDlGetGranIdsMkcfg -- Make the config file for the Get GranuleIds utility.
- EcDlHEGFrontendControl
- EcDlHEGStart -- Script to run the HEG converters from the HEG Frontend.
- EcDlInsertUtilityMkcfg -- Make the config file for the Data Pool InsertUtility.
- EcDlInsertUtilityStart -- This shell script runs the JAVA data pools insert utility It checks for a couple of environment variables and starts a Java Virtual machine that executes a Data Pool Science or Browse granule insert.
- EcDlM2XTAppMkcfg -- Generate the script ReplaceXML on the fly.
- EcDlM2XTStart -- This shell script runs the JAVA data pools metadata export utility.
- EcDlMkcfg -- Top level Mkcfg file.
- EcDlPopulateStatTables.pl
- EcDlPopulateStatTablesMkcfg -- Make the config files for the EcDlPopulateStatTables.pl.
- EcDlQuickServerMkcfg -- Make the config file for the Data Pool QuickServer.
- EcDlQuickServerStart -- Datapool Action driver stat script.
- EcDlRollupFtpLogs.pl -- DPASU - Data Pool Access Statistics Utility (FTP component).

- EcDIRollupWebLogs.pl -- DPASU - Data Pool Access Statistics Utility (WEB component).
- EcDIUpdateGranule.pl -- Update Granule Expiration Utility 2.0.
- EcDIUpdateGranuleMkcfg -- Make the config files for the Data Pool Update Granule.
- EcDILoadXml -- This shell script exposes non ECS xml validation functionality.
- EcDIWaPackager -- Makes hard links (on a single filesystem) for files that won't be converted into the order/package directory.
- EcDIWebAccessMkcfg -- Make the config files for WebAccess.
- EcDIWebRollupMkcfg -- Make the config files for the web version of the DPASU.

Subsystem OMS

Scripts

- EcDbDatabaseVersionsUpdate.ksh -- Updates the EcDbDatabaseVersions table.
- EcOmBcpIn -- The script will bcp data into all OMS tables.
- EcOmBcpOut -- The script will bcp data out from all OMS tables.
- EcOmDbBuild -- Build the Order Manager database schema.
- EcOmDbDrop -- Drops all objects & users in the OrderManager db.
- EcOmDbLogin -- Add OMS Server logins to Sybase SQL Server Operator must have "sa" privileges to run script.
- EcOmDbUser -- Add all groups and users to the Oms Database.
- EcOmGuiCloseConfirmation.pl -- Dr.
- EcOmGuiCommon.pm -- "What doeth good a man to gain the whole world, but to lose his soul?".
- EcOmGuiCompletedInterv.pl -- EcOmGuiCompletedInterv.pl.
- EcOmGuiCompletedIntervDetail.pl -- EcOmGuiCompletedIntervDetail.pl.
- EcOmGuiDBConfig.pl -- This script display the configurable OMS database parameters, similar to to the Media Configuration Page.
- EcOmGuiDbInterface.pm -- Database interface module for OM GUI scripts.
- EcOmGuiDistributionRequestDetail.pl -- !
- EcOmGuiDistributionRequests.pl -- Use warnings; #almost OK, wants to know about functions earlier use strict 'vars'; #not OK at all - globals everywhere use strict 'refs'; #this is OK use strict 'subs'; #this is OK.
- EcOmGuiEcsOrder.pl -- Last modified: Jun10 2003 - Svetlana Shargorodskaya.
- EcOmGuiEncrypt.pm -- Uses an external encryption executable to generate encrypted text for passwords, so they are not passed in the clear.
- EcOmGuiError.pl -- This screen gets displayed when GracefulExit() is called with a message.

- EcOmGuiHelp.pl -- Help for users of the OM Gui, in HTML format.
- EcOmGuiHomePage.pl -- This screen simply displays the home page, it doesn't do anything fancy with the database.
- EcOmGuiLogViewer.pl -- CHANGE HISTORY.
- EcOmGuiMediaConfig.pl -- This script displays the configurable media parameters for the OMS database.
- EcOmGUIMkcfg -- Make the config files for the Order Manager GUI.
- EcOmGuiOpenInterv.pl -- EcOMGUIOpenInterv.pl.
- EcOmGuiOpenIntervDetail.pl -- EcOmGuiOpenIntervDetail.pl.
- EcOmGuiQueueStatus.pl -- Thi script displays the current queue states for PDS and SDSRV, plus the e-mail queue, and allows the operator to change the states (to active or suspended) for each media type or for the entire queue.
- EcOmGuiServerStatistics.pl -- This script displays the server statistics for inputs to and outputs from the order manager server.
- EcOmGuiUserProfile.pl -- When the operator clicks on a user name, this script is called to retrieve all the relevant information about that user.
- EcOmMkcfg -- Top level Mkcfg file.
- EcOmNotifier -- This shell script executes the sendmail program to send a user notification.
- EcOmOrderManagerMkcfg -- Make the config files for the Order Manager Server.
- EcOmOrderManagerStart -- Starts the OM Server.
- EcOmSrCliDriverMkcfg -- Make the config files for the Order Manager Command line Utility.
- EcOmSrCliDriverStart -- Starts the command-line interface to OM Example usage to submit files cliodlTest1.0 and cliodlTest1.1.
- EcOmSrCLIMkcfg -- Make the config file for EcOmSrCLI.

Subsystem OSS

Scripts

- EcOsBMGTAppMkcfg -- Generate the script ReplaceXML on the fly.
- EcOsBMGTCollOdlToPvl -- Convert a collection .met ODL file to a PVL file, it will be called by EcOsBMGTVValidateCollection PVL file is Parameter Value Language format, it is an intermidiate language file created for comparing XML and ODL files Parameters: Single collection .met file of ODL format.
- EcOsBMGTCollXmlToPvl -- Convert a BMGT collection XML file to a PVL file, it will be called by EcOsBMGTVValidateCollection PVL file is Parameter Value Language format, it is an intermidiate language file created for comparing XML and ODL files Parameters: Single collection XML file generated by BMGT.

- EcOsBMGTDiff -- Compare the pvl file generated by EcOsBMGTGranOdlToPvl or EcOsBMGCollOdlToPvl and the pvl files generated by EcOsBMGTGranXmlToPvl or EcOBMGTCollXmlToPvl It gets automatically called by EcOsBMGTVValidateGranule and EcOsBMGTVValidateCollection PVL file is Parameter Value Language file Parameters: Pvl file follow another pvl file.
- EcOsBMGTGranOdlToPvl -- Convert a granule .met ODL file to a PVL file, it will be called by EcOsBMGTVValidateGranule PVL file is Parameter Value Language format, it is an intermediate language file created for comparing XML and ODL files Parameters: Single granule .met file of ODL format.
- EcOsBMGTGranXmlToPvl -- Convert a BMGT granule XML file to a PVL file, it will be called by EcOsBMGTVValidateGranule PVL file is Parameter Value Language format, it is an intermediate language file created for comparing XML and ODL files Parameters: Single granule XML file generated by BMGT.
- EcOsBMGTVValidateCollection -- Validate BMGT collection XML file by calling scripts.
- EcOsBMGTVValidateGranule -- Validate BMGT granule XML file by calling scripts.
- EcOsBmMkcfg -- Make the config files for the OSS subsystem.
- EcOsBulkURLAppMkcfg -- Generate the script ReplaceXML on the fly.
- EcOsHgMkcfg -- Top level Mkcfg file.
- EcOsReplace.csh -- EcOsReplace, a generic script for replacing strings inside files.

Subsystem SSS

Scripts

- EcNb.assign.groups.sql -- Add user to new group.
- EcNb.groups.sql -- Add new Sybase group.
- EcNb.object.permissions.sql -- Grant database permissions to group.
- EcNbActionDriver.ksh -- Calls the Perl script EcNbActionDriver.pl in an infinite loop.
- EcNbActionDriver.pl -- ActionPerlDriver.pl Created: 08/23/00 This perl scripts will dequeue the ActionQueue and send a subscription Notification to email recipients.
- EcNbActionDriverMkcfg -- Make the config files for the Spatial Subscription Server's Action Driver.
- EcNbActionFilter.pl -- This perl module displays the list of Notify and Acquire actions.
- EcNbActionFrame.pl -- This perl module displays the initial list actions web page.
- EcNbActionList.pl -- This perl module display the filtering frame for the list actions.
- EcNbAddBundle.pl -- This perl script is creating first screen for Adding a new bundle order.
- EcNbAddSubEntry.pl -- This perl module adds or updates a subscription in the Spatial Subscription Server database.

- EcNbAddSubscription.pl -- This perl module will allow the operator to add a new subscription to the Spatial Subscription Server database.
- EcNbAddSubscription1A.pl -- This perl mode is called by the EcNbAddSubscription.pl module to continue the entry of new subscriptions.
- EcNbAddSubscription1B.pl -- This perl module is called by EcNbAddSubscription1B.pl to add the.
- EcNbBOChoose.pl -- This perl script handles view, update, cancel, or list subscriptions for a particular bundling order.
- EcNbBOFilteredList.pl -- This perl module displays the list of bundling orders.
- EcNbBOFilterList.pl -- This perl script displays the filtering capabilities for bundling orders.
- EcNbCleanDb.pl -- Created: 04/24/03. Cleans out hanging requests in database.
- EcNbCommon.pm -- A package for use Spatial Subscription Server GUI.
- EcNbConfigureBO.pl -- This perl module is called by EcNbManBundOrder.pl to configure the completion criteria default values.
- EcNbConfirmBundle.pl -- This perl script is the confirmation screen for creating a new bundle order.
- EcNbCreateBundle.pl -- This perl script is creating first screen for creating a new bundle order.
- EcNbDbBuild -- This is an installation script for the Spatial Subscription Server.
- EcNbDbDataThresh.sp -- Establishes thresholds for the data/index segment.
- EcNbDbInterface.pm -- A database interface package for use by the Synergy II Spatial Subscription team.
- EcNbDbLogins.sql -- A new login to the Science Data Server.
- EcNbDbThreshold.sp -- This is a stored procedure for the log transaction of the SYBASE database.
- EcNbDbUser.sql -- Add new Sybase user.
- EcNbDCommon.pm -- A package for use Spatial Subscription Server GUI.
- EcNbDeleteRequestDriver.ksh -- Calls the Perl script EcNbDeleteRequestDriver.pl in an inf loop.
- EcNbDeleteRequestDriver.pl -- Created: 08/23/00. This perl script will dequeue the DeleteRequestQueue and perform cleanup in the database.
- EcNbDeleteRequestDriverMkcfg -- Make the config files for the Spatial Subscription Server's Delete Request Driver.
- EcNbDriverStart -- EcNb startup script.
- EcNbEncrypt.pm -- Original Author: James Pino Modification History: 09/10/2002 Modified to fully qualify path of executable.
- EcNbEncryptDbPasswds.pl -- Created: 09/17/02 Encrypts text passwords in database.

- EcNbEventFilter.pl -- This perl module displays the list of events.
- EcNbEventFrame.pl -- This perl module displays the initial list events web page.
- EcNbEventList.pl -- This perl module display the filtering frame for the list events.
- EcNbGUIMkcfg -- Make the config files for the Spatial Subscription Server GUI.
- EcNbListStatistics.pl -- This perl module displays statistics for Notify and Acquire.
- EcNbListSubsForTheme.pl -- This perl module will allow the operator to view the list of subscriptions associated with a particular theme and take an action on one or more of them.
- EcNbListThemes.pl -- This perl module will allow the operator to view the list of themes available for subscription data pool actions.
- EcNbListThemes2.pl -- This perl module will allow the operator to view the list of themes available for subscription data pool actions.
- EcNbManBundOrder.pl -- This perl module calls perl module to display the list of existing bundling orders.
- EcNbMediaBundlingOrder.pl -- This perl script is modifying parameters for updating a bundle order.
- EcNbMkcfg -- Top level Mkcfg file.
- EcNbModBundlingOrder.pl -- This perl script is modifying parameters for updating a bundle order.
- EcNbRecoverDriver.ksh -- Calls the Perl script EcNbRecoverDriver.pl in an infinite loop.
- EcNbRecoverDriver.pl -- Created: 01/29/01. This perl script monitors the queues for stranded events/actions and restarts them.
- EcNbRecoverDriverMkcfg -- Make the config files for the Spatial Subscription Server's Recover Driver.
- EcNbSubFilter.pl -- This perl module displays the list of existing subscriptions.
- EcNbSubFrame.pl -- EcNbsubFrame.pl. This perl module calls perl module to display the list of existing subscriptions.
- EcNbSubHelp.pl
- EcNbSubList.pl -- This perl module display the filtering criteria.
- EcNbSubscribedEventDriver.ksh -- Calls the Perl script EcNbSubscribedEventDriver.pl in an inf loop.
- EcNbSubscribedEventDriver.pl -- Created: 08/23/00. This perl scripts will dequeue the SubscribedEvent Queue and Enqueue the Action Queue.
- EcNbSubscribedEventDriverMkcfg -- Make the config files for the Spatial Subscription Server's SubscribedEventDriver.
- EcNbSubscriptionChoose.pl -- This perl module allows the operator to view, update, delete a subscription.

- EcNbSubscriptionCLI.pl -- Created: 12/02/01. This perl script permits the user to add, delete, update, or view a subscription from the command line.
- EcNbSubscriptionCLIMkcfg -- Make the config files for the Spatial Subscription Server's Command Line Interface (CLI).
- EcNbSubscriptionCLIStrt -- Spatial Subscription Server Command Line Interface.
- EcNbSuspendResumeCancel.pl -- This perl module allows the operator to suspend, resume, or cancel all of the subscriptions associated with a particular theme.
- EcNbThemeConf.pl -- This perl mode is called by the EcNbAddSubEntrt.pl module to update the subscription with theme information.
- EcNbUpdateBundlingOrder.pl -- This perl script is creating first screen for updating a bundle order.

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Abbreviations and Acronyms

A

ABC++	Document Generator used to provide class level detail
ACMHW	Access and Control Management Hardware (Configuration Item)
ADC	Affiliated Data Center (National Oceanic and Atmospheric Administration only)
AGS	ASTER Ground System
AIT	Algorithm Integration and Test
AITHW	Algorithm Integration and Test Hardware (Configuration Item)
AI&T	Algorithm Integration and Test
AITTL	Algorithm Integration and Test Tools (Computer Software Configuration Item)
AM-1	See TERRA (spacecraft)
AMASS	Archival Management and Storage System <i>Storage Management Software created by EMASS, which is the Raytheon Company, which in turn owns a part of Hughes Aircraft company, owns a wholly owned subsidiary of E-Systems Inc. E-Systems.</i> For more info you can visit: http://www.emass.com
AOI	Area of Interest
AOS	ASTER Operations Segment
AP	Algorithm Package
APC	Access/Process Coordinators
API	Application Program Interface
AQA	Algorithm Quality Assurance
AQAHW	Algorithm Quality Assurance Hardware (Configuration Item)
AR	Action Request
ARS	Action Request System (by Remedy)
AS	Administration Stations
ASCII	American Standard Code for Information Interchange

ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
ATM	Asynchronous Transfer Mode
AURA	NASA mission to study the earth's ozone, air quality and climate (formerly the CHEM mission)

B

BCP	Bulk Copy Program
	Bulk Copy Procedure
BDS	Bulk Data Server
BLM	Baseline Manager

C

CAD	Computer Aided Design
CCB	Change Control Board (Raytheon Convention)
	Configuration Control Board (NASA Convention)
CCDI	ClearCase DDTs Integration
CCR	Configuration Change Request
CDE	Common Desktop Environment
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CD-ROM	Compact Disk - Read Only Memory
CDS	Cell Directory Service
CFG	Configuration File
CGI	Common Gateway Interface
CHUI	Character-based User Interface
CI	Configuration Item
CLS	Client Subsystem
CM	Configuration Management
CMI	Cryptographic Management Interface
CMP	Configuration Management Plan

CN	Change Notice
CO	Contracting Officer
COTS	Commercial Off the Shelf (Software or Hardware)
CPF	Calibration Parameter File
CPU	Central Processing Unit
CRM	Change Request Manager
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSMS	Communications and Systems Management Segment (ECS)
CSS	Communications Subsystem

D

DAAC	Distributed Active Archive Center
DADS	Data Archive and Distribution System
DAO	Data Assimilation Office
DAP	Delivered Algorithm Package
DAR	Data Acquisition Request
DAS	Dual Attached Station
DB	Database
DBMS	Database Management System
DCCI	Distributed Computing Configuration Item
DCN	Document Change Notice
DDICT	Data Dictionary (Computer Software Configuration Item)
DDIST	Data Distribution (Computer Software Configuration Item)
DDR	Detailed Design Review
	Data Delivery Record (same as a Product Delivery Record)
DDT	DAAC Distribution Technician
DDTS	Distributed Defect Tracking System (COTS)
DEM	Digital Elevation Model
DESKT	Desktop (Computer Software Configuration Item)

DEV	Custom Developed Code
DFS	Distributed File System
DID	Data Item Description
DIPHW	Distribution and Ingest Peripheral Hardware Configuration Item
DLL	Dynamic Link Library
DLT	Digital Linear Tape
DM	Data Management
DMGHW	Data Management Hardware (Configuration Item)
DMS	Data Management Subsystem
DNS	Domain Name Service
DOF	Distributed Object Framework
DORRAN	Distributed Ordering, Researching, Reporting, and Accounting Network (At EDC)
DP	Data Provider
DPR	Data Processing Request
DPRID	Data Processing Request Identifier
DPREP	Data Pre-Processing
DPS	Data Processing Subsystem
DR	Data Repository
DRPHW	Data Repository Hardware (Configuration Item)
DSC	Development Solution for the C programming language
DSS	Data Server Subsystem
DTF	Sony DTF Tape cartridge system (replacement for the D3 tape cartridge system)
DTS	Distributed Time Service

E

ECHO	ECS Clearing House
ECN	Engineering Change Notice
ECS	Earth Observing System Data and Information Core System
EDC	Earth Resource Observation System (EROS) Data Center

EDF	ECS Development Facility
EDG	EOS Data Gateway
EDHS	ECS Data Handling System
EDN	Expedited Data Set Notification
EDOS	Earth Observing System Data and Operations System
EDR	Expedited Data Set Request
EDS	Expedited Data Set
EC	Error conditions (in tickets)
EGS	EOS Ground System
EISA	Enhanced Industry Standard Architecture
E-mail	Electronic Mail (also Email, e-mail, and email)
EMASS	E-Systems Modular Automated Storage Systems
EMOS	ECS Mission Operations Segment (formerly FOS)
EMSn	EOSDIS Mission Support network
EOC	Earth Observing System Operations Center
EOS	Earth Observing System
EOSDIS	Earth Observing System Data and Information System
EROS	Earth Resource Observation System
ESDIS	Earth Science Data and Information System (GSFC Code 505)
ESDT	Earth Science Data Type
ESRI	Environmental Systems Research Institute
ETM+	Enhanced Thematic Mapper Plus (Landsat 7)

F

FC	Functional components (capabilities in tickets)
FCAPS	Fault, Configuration, Accountability, Performance, and Security services
FDS	Flight Dynamics System
FH	Fault Handling
FLDB	Fileset Location Database
F&PRS	Functional and Performance Requirements Specification

FSMS	File and Storage Management System
FTP	File Transfer Protocol
FTPD	File Transfer Protocol Daemon

G

GB	gigabyte (10^9)
Gb	gigabit (10^9)
GCDIS	Global Change Data and Information System
GCMD	Global Change Master Directory (not developed by ECS)
GDPS	Ground Data Processing System
GDS	Ground Data System (ASTER)
GFE	Government Furnished Equipment
GLAS	Geoscience Laser Altimeter System
GSFC	GODDARD Space Flight Center (NASA facility and DAAC)
GSMS	Ground System Management Subsystem (ASTER)
GTWAY	(Version 0 Interoperability/ASTER) Gateway (Computer Software Configuration Item)
GUI	Graphical User Interface

H

HDF	Hierarchical Data Format
HDF-EOS	an EOS proposed standard for a specialized HDF data format
HMI	Human Machine Interface
HSB	Humidity Sounder for Brazil
HTML	HyperText Markup Language
HTTP	HyperText Transport Protocol
HWCI	Hardware Configuration Item

I

IAS	Image Assessment System
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ICESat	Ice, Cloud and Land Elevation Satellite
ICD	Interface Control Document
ICLHW	Ingest Client Hardware (Configuration Item)
ID	User Identification (or Identifier)
IDG	Infrastructure Development Group
IDL	Interactive Data Language
I/F	Interface
IGS	International Ground Station (Landsat 7)
IHCI	Internetworking hardware configuration item
ILG	Infrastructure Library Group
ILM	Inventory, Logistics, Maintenance (ILM) Manager
IMS	Information Management System (ECS element name)
INGST	Ingest (Computer Software Configuration Item)
INS	Ingest Subsystem
INHCI	Internetworking HWCI
I/O	Input/Output
IP	Internet Protocol
	International Partner
IRD	Interface Requirements Document
IRR	Incremental Release Review
ISIPS	ICESat Science Investigator-Led Processing System
ISO	International Standards Organization
ISS	Internetworking Subsystem
I&T	Integration and Test

J

JDT	Java Data Acquisition Request Tool (Java DAR Tool)
JESS	Java Earth Science Server
JEST	Java Earth Science Tool
JPL	Jet Propulsion Laboratory (DAAC)

K

KFTP Kerberos File Transfer Protocol

L

L0 - L4 Level-0 through Level-4 data (ECS)
L0R Landsat Reformatted Data
LAMS Landsat 7 Archive Management System
LAN Local Area Network
Landsat 7 Land Remote-Sensing Satellite
LaRC Langley Research Center (DAAC)
LFS Local File System
LPGS Landsat 7 Level-1 Product Generation System
LZ77 Lampel-Ziv coding

M

M&O Maintenance and Operations
MB Megabyte (10^6)
Mbps Megabits Per Second
MCF Metadata Configuration File
MCI Management Software Configuration Item (Computer Software Configuration Item)
MHWCI (System) Management (Subsystem) Hardware Configuration Item
MISR Multi-Imaging SpectroRadiometer
MLCI Management Logistics Configuration Item (Computer Software Configuration Item)
MM Mode Management
MMO Mission Management Office
MMS Mode Management Service
M&O Maintenance and Operations (Staff)
MOC Mission Operations Center

MODIS	Moderate-Resolution Imaging SpectroRadiometer
MOJO	Message Oriented middleware of JEST (JDT) Objects
MOPITT	Measurements of Pollution in the Troposphere
MP	Message Passing
MS	Mass Storage
	Microsoft
MSCD	Mirror Scan Correction Data (file)
MSS	System Management Subsystem
MTA	LAMS Metadata File
MTMGW	Machine-to-Machine Gateway Server
MTP	Distribution Product Metadata File Extension (<filename>.MTP)
MTPE	Mission to Planet Earth

N

NASA	National Aeronautics and Space Administration
NCEP	National Centers for Environmental Predictions
NCR	Non-conformance Report
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
Netscape	Browser (for user registration and search engine) [Netscape Communicator] Mail component for e-mail transfers
NFS	Network File System
NIS	Network Information Service
NMC	National Meteorological Center (located at National Oceanic and Atmospheric Administration - NOAA)
NNTP	Network News Transfer Protocol
NOAA	National Oceanic and Atmospheric Administration
NSI	National Aeronautics and Space Administration Science Internet
NSIDC	National Snow and Ice Data Center (DAAC)

O

ODL	Object Description Language
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ODFRM	On-Demand Product Request Form
ODPR	On-Demand Production Request
ODPRM	On-Demand Production Request Manager (PLS)
OEM	Original Equipment Manufacturer
OOA	Object oriented analysis
OOD	Object oriented design
OODCE	Object Oriented distributed computing environment
OPS CON	Operations Concept
OS	Operating System
OSI	Open Systems Interconnect

P

PAN	Production Acceptance Notification
PC	Personal Computer
	Performance Constraints (in tickets)
PCD	Payload Correction Data (file)
PCFG	Process Configuration File
PDPS	Planning and Data Processing Subsystems
PDR	Product Delivery Record
PDRD	Product Delivery Record Discrepancy
PDS	Production Data Set
	Product Distribution System (from EDC and integrated into ECS)
PF	Process Framework
PGE	Product Generation Executable
PI	Principal Investigator
PLANG	Production PLANninG (Computer Software Configuration Item)
PLNHW	Planning Hardware (Configuration Item)
PLS	Planning Subsystem
PM-1	EOS Afternoon Equator Crossing Mission (See Aqua); Mission to study the land, oceans and the earth's radiation budget

PMPDR	Physical Media Product Delivery Record
PPDS	Planning and Processing Data Server
PR	Production Request
PRONG	(Data) PROcessiNG (Computer Software Configuration Item)
PSA	Product Specific Attributes
PWB	Planning WorkBench

Q

QA	Quality Assurance
QDS	Quick Look Data Set (Same as Expedited Data Set)

R

RAID	Redundant Array of Inexpensive Disks
RAM	Random Access Memory
RCS	Request Communications Support
RDBMS	Relational Database Management System
REL	Release
RFA	Remote File Access
RFC	Request For Comments
RIP	Routing Information Protocol
RMA	Reliability, Maintainability and Availability
RMS	Request Management Services
ROSE	Request Oriented Scheduling Engine
RPC	Remote Procedure Call
RSC	Raytheon Systems Company
RTU	Rights to Use

S

SAGE III	Stratospheric Aerosol and Gas Experiment III
SAS	Single Attached Station

SATAN	Security Administrator Tool for Analyzing Networks
SBSRV	Subscription Server
SCF	Science Computing Facility
SCLI	SDSRV Command Line Interface
SCSI	Small Computer System Interface
SDE	Software Development Environment
SDF	Software Development Folder
SDP	Science Data Processing
SDPS	Science Data Processing Segment (ECS)
SDPTK	Science Data Processing Toolkit Science Data Processing Toolkit (Computer Software Configuration Item)
SDSRV	Science Data SeRVer (Computer Software Configuration Item)
SGI	Silicon Graphics, Inc.
SIM	Spectral Irradiance Monitor
SIPS	Science Investigator-Led Processing Systems
SMC	System Management Center System Monitoring and Coordination Center
SMP	Symmetric Multi-processor
SMTP	Simple Mail Transport Protocol
SOLSTICE	Solar Stellar Irradiance Comparison Experiment
SORCE	Solar Radiation and Climate Experiment
SPARC	Single Processor Architecture
SPRHW	Science Processing Hardware (Configuration Item)
SQL	Structured Query Language
SQS	Spatial Query Server
SRF	Server Request Framework
SSAP	Science Software Archive Package
SSIT	Science Software Integration and Test
STK	StorageTek
STMGT	Storage Management (Computer Software Configuration Item)

Sybase	(ECS) COTS database management product (ASE)
SYSLOG	System Log

T

TAR	Tape Archive
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TELNET	Telecommunications Network
TERRA	EOS AM Mission spacecraft 1, morning equator crossing spacecraft series -- ASTER, MISR, MODIS and MOPITT instruments; Mission to study the land, oceans and the earth's radiation budget
TIM	Total Irradiance Monitor
TM	Thematic Mapper (Landsat)
TT	Trouble Ticket

U

UDP	User Datagram Protocol
UML	Unified Modeling Language
UR	Universal Reference
URL	Universal Resource Locator
USGS	U. S. Geological Survey
UUID	Universal Unique Identifier

V

V0	Version Zero (Version 0)
V0 GTWAY	Version Zero Gateway (V0 GTWAY CSCI)
V0 ODL	Version 0 Object Description Language
VT	Virtual terminal

W

WAN	Wide Area Network
WKBCH	WorKBenCH (Computer Software Configuration Item)
WKSHW	Working Storage Hardware Configuration Item
WRS	Worldwide Reference System
WS	Working Storage
WWW	World Wide Web

X

xAR	x Acquisition Request (where x is any kind of or generic acquisition request)
XBDS	Bulk Data Service Protocol
XDR	External Data Representation
XFS	Extended File System