



System v2.0.0

Release Description Document (RDD) Review

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February 3, 2010

**Feedbacks
Failure Reports**



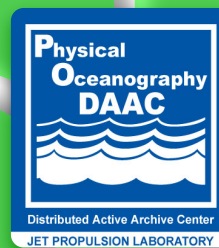
Deployment

Design

**Requirements
Design Review**



**Test Documentations
Failure Reports
Operation Readiness Review**



Validation

Planning

Development

**Release Description Review
Documentations**



**Schedule
Approved**



Process

What

Manager WS

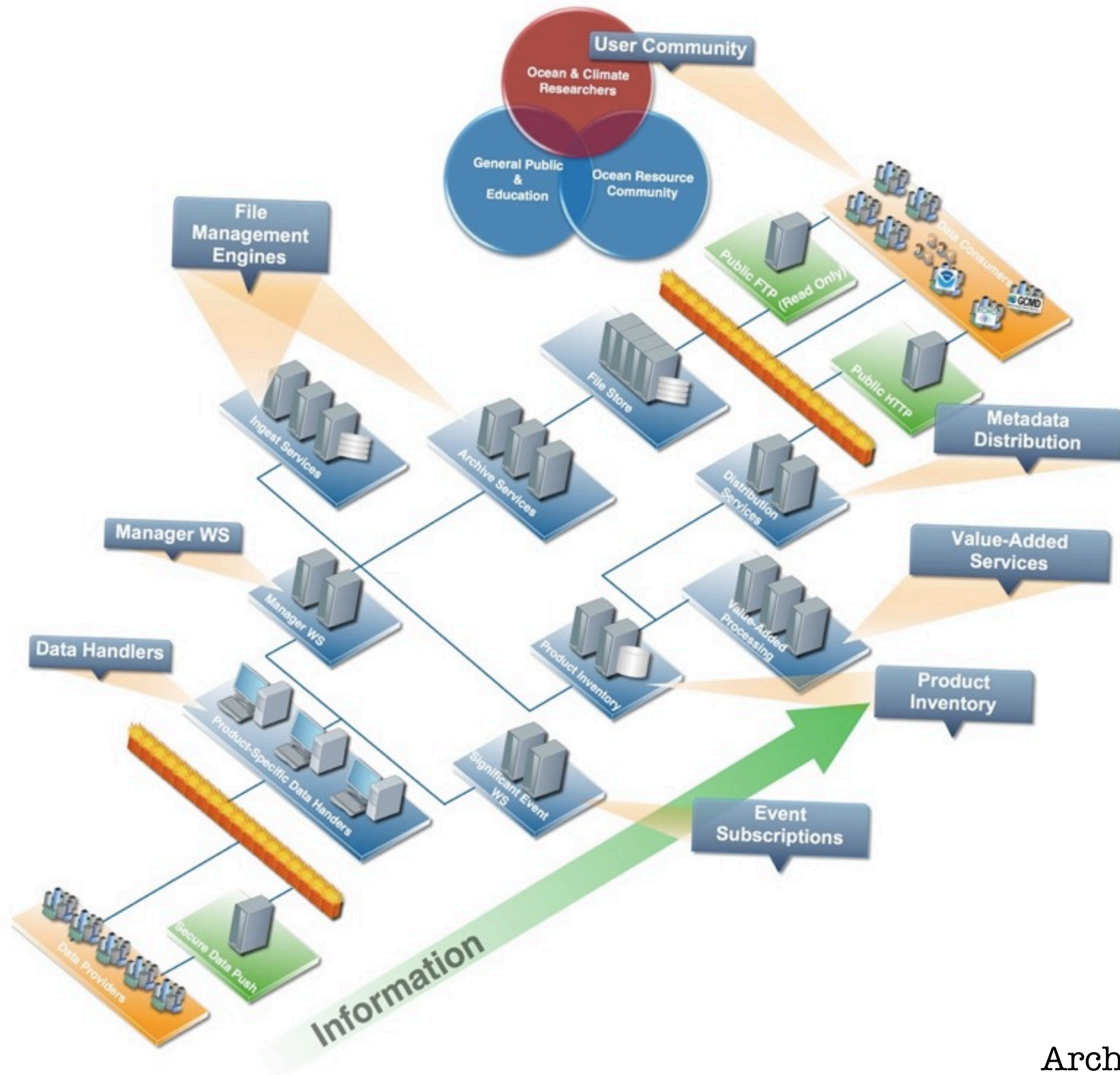
Data Model Updates

VODC

Sigevent WS

α Rollout Tool

Sigevent UI



Architecture



Java 6 Upgrade

Program Set: Common

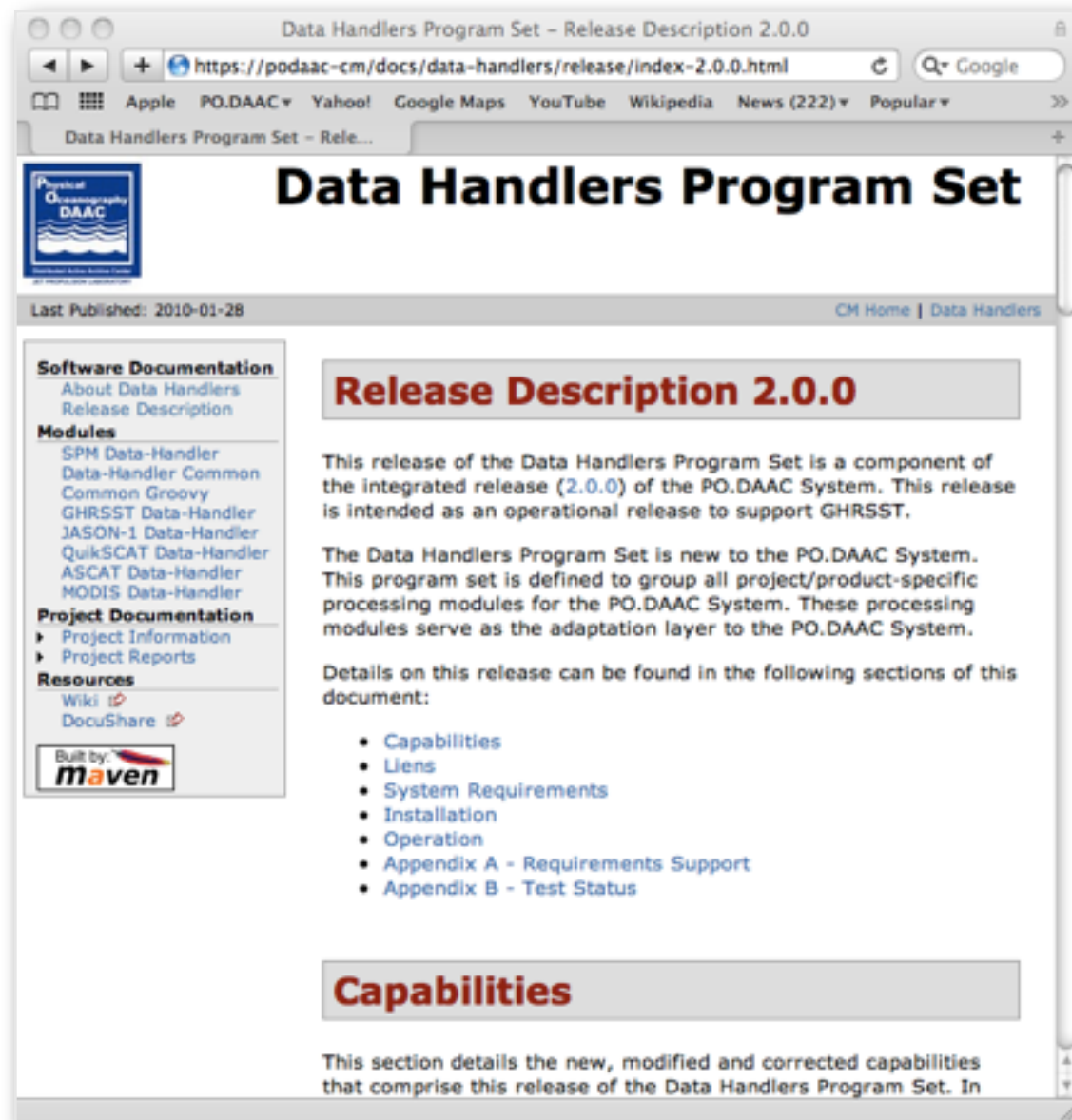
The image shows two overlapping browser windows. The top window displays the 'Common Program Set - Release Description 2.0.0' page. It features a sidebar with navigation links like 'Software Documentation', 'Modules', 'Project Documentation', and 'Resources'. The main content area is titled 'Release Description 2.0.0' and contains introductory text about the release. The bottom window shows the 'Reference of Schema' for 'complexType SubmissionHeaderType'. It includes a 'Super Types' section, a 'Properties' section stating 'This component is not nillable.', and a 'Model' section showing the XML schema definition. Below the schema is a 'Nested Element Summary' table.

Nested Element Summary	
xsd:nonNegativeInteger	acquired The time when the acquisition was made by the data-handler.
xsd:string	batch The batch name/identifier that is unique for the specific project.
xsd:string	comment Comment provided by the contributor regarding this batch.
	contributor The email address of the contributor for this given package.
podaac:nasa:TimeStampType	inventoryCoverage This element is to be filled in by the ingest

- SIP update: added element `<acquired>` time. This marks the time when the data handler has successfully retrieved the granule
- Current granule time values captured in the SIP are in UTC
 - **temporal coverage:** granules start/stop time
 - **created:** time when the granule was created or the file creation time.
 - **acquired:** time when the granule was acquired by the data handler.
 - **requested:** time when the submission requested was received.
 - **ingested:** time when the granule is ingested into the DMAS staging area.
 - **archived:** time when the granule is in the PO.DAAC archive.
 - **verified:** time when the granule was last verified

Program Set: Data Handlers

- Updated to record granule acquired time.

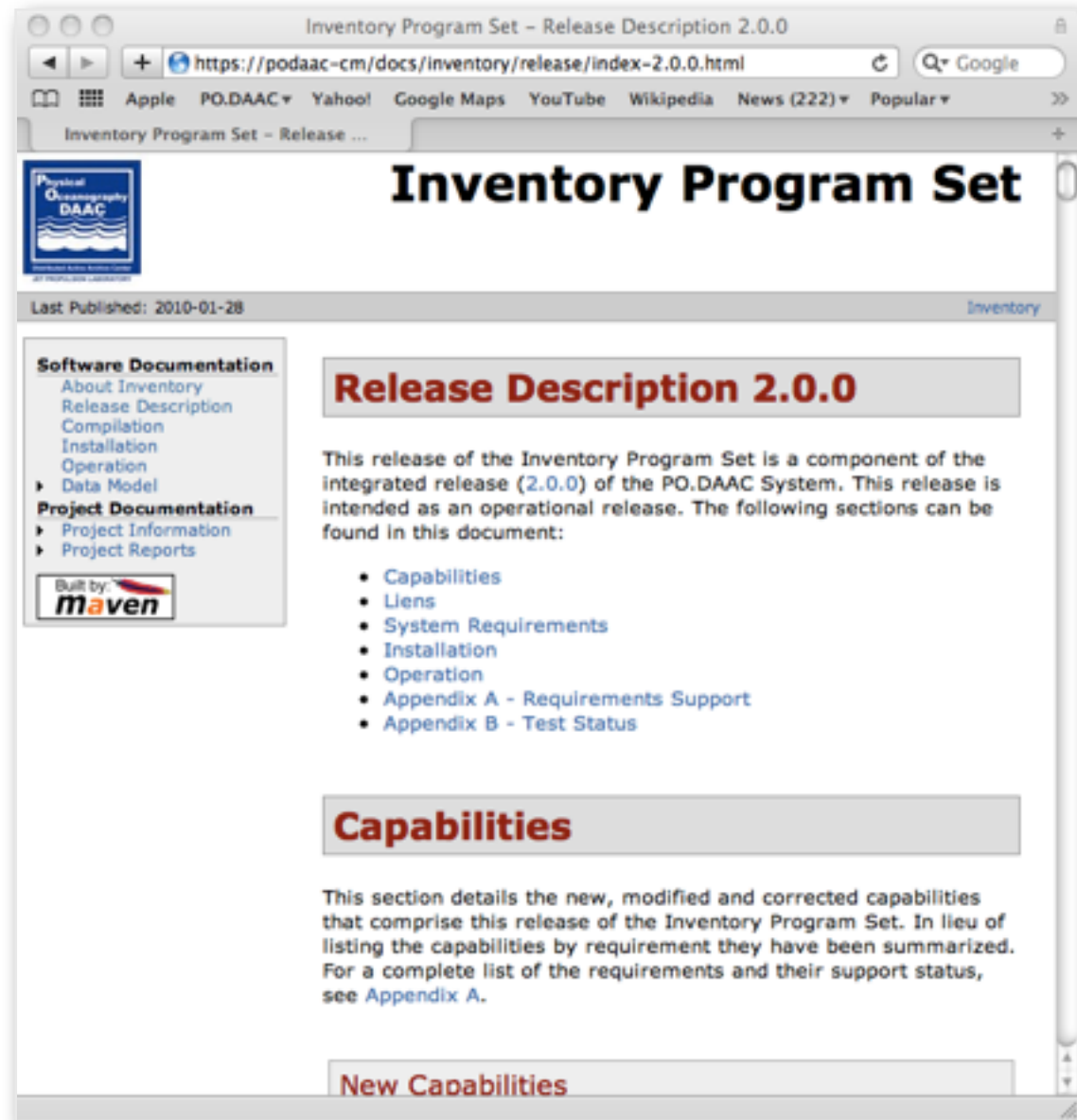


Program Set: Ingest



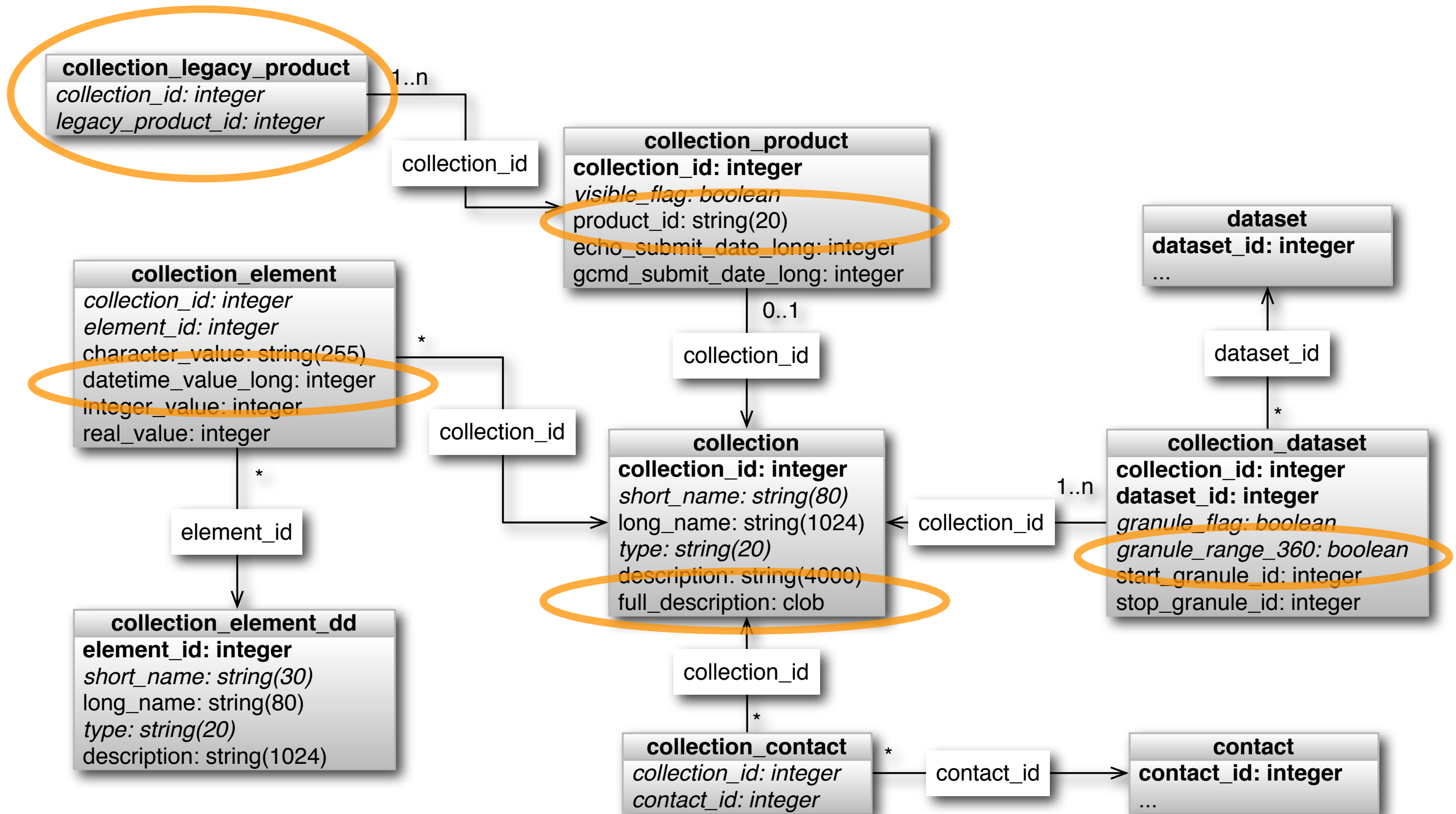
- No changes since 1.4.0

Program Set: Inventory

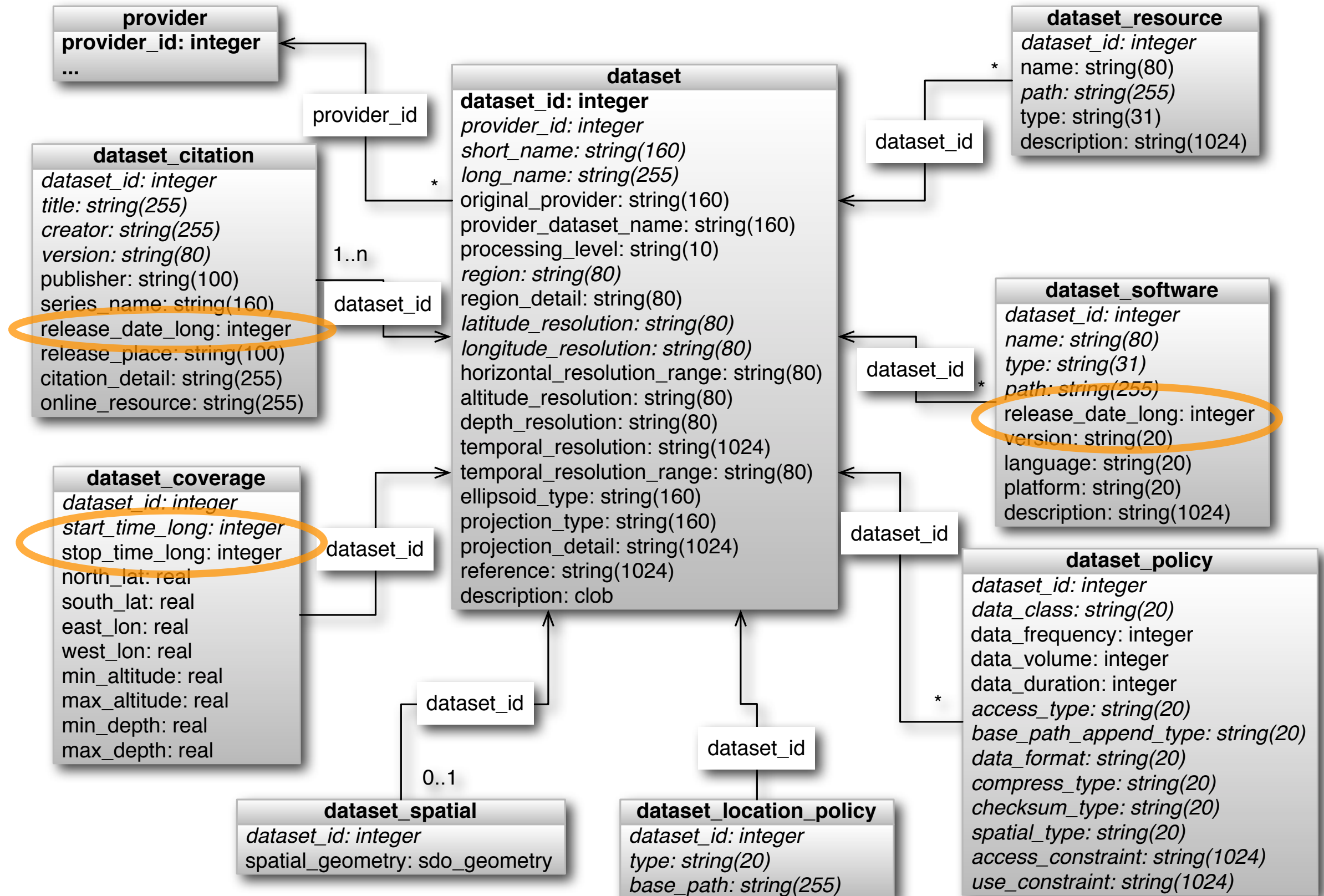


- Data model changes
 - extensible to support dataset/granule-specific attributes
 - granule location
- Date time values are now stored in long integer UTC values
- Inventory mapping changes due to data model and date/time values changes
- Migrations scripts to convert from v1.4.2 to v2.0.0 data model

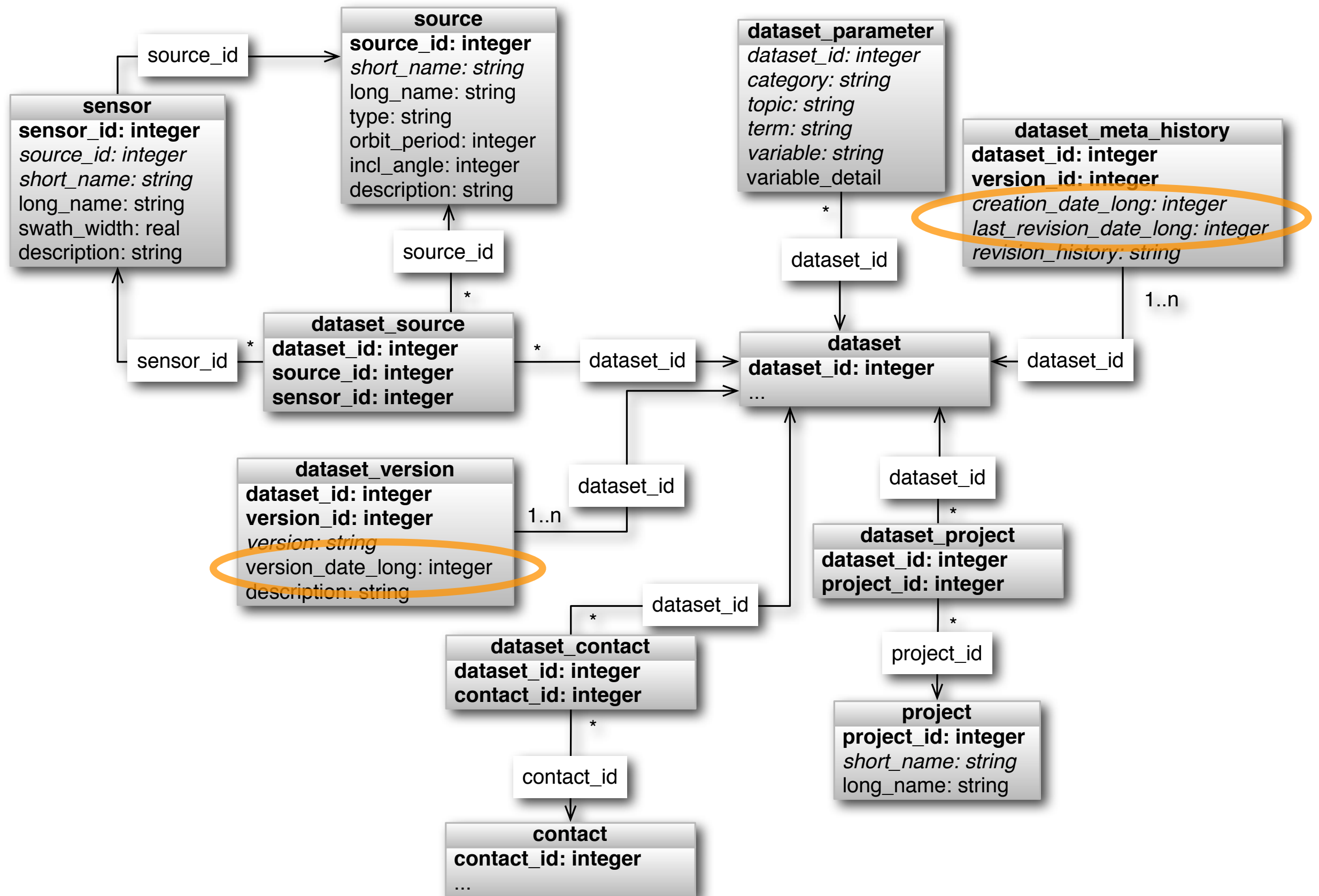
Program Set: Inventory -> Data Model -> Collection



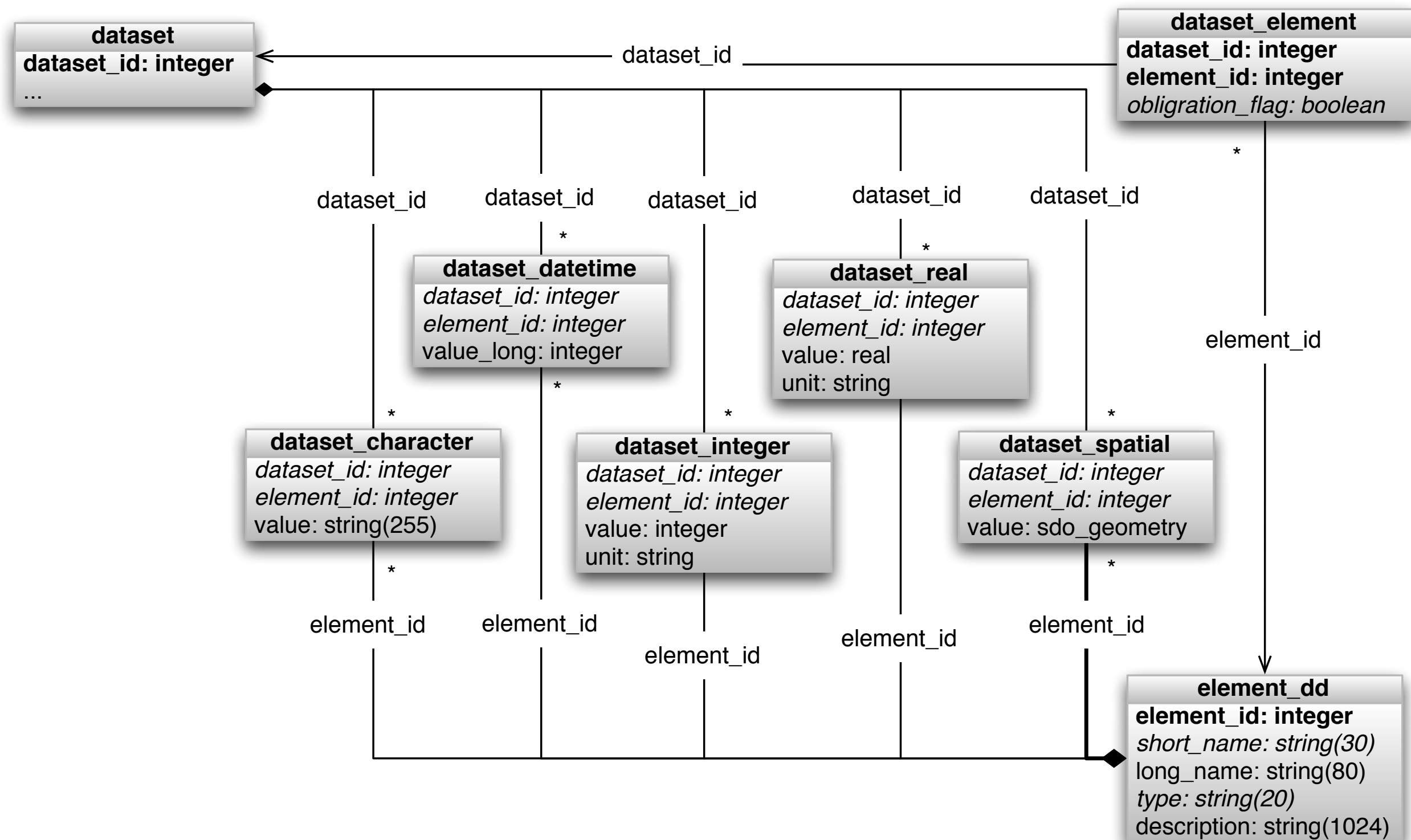
Program Set: Inventory -> Data Model -> Data Set



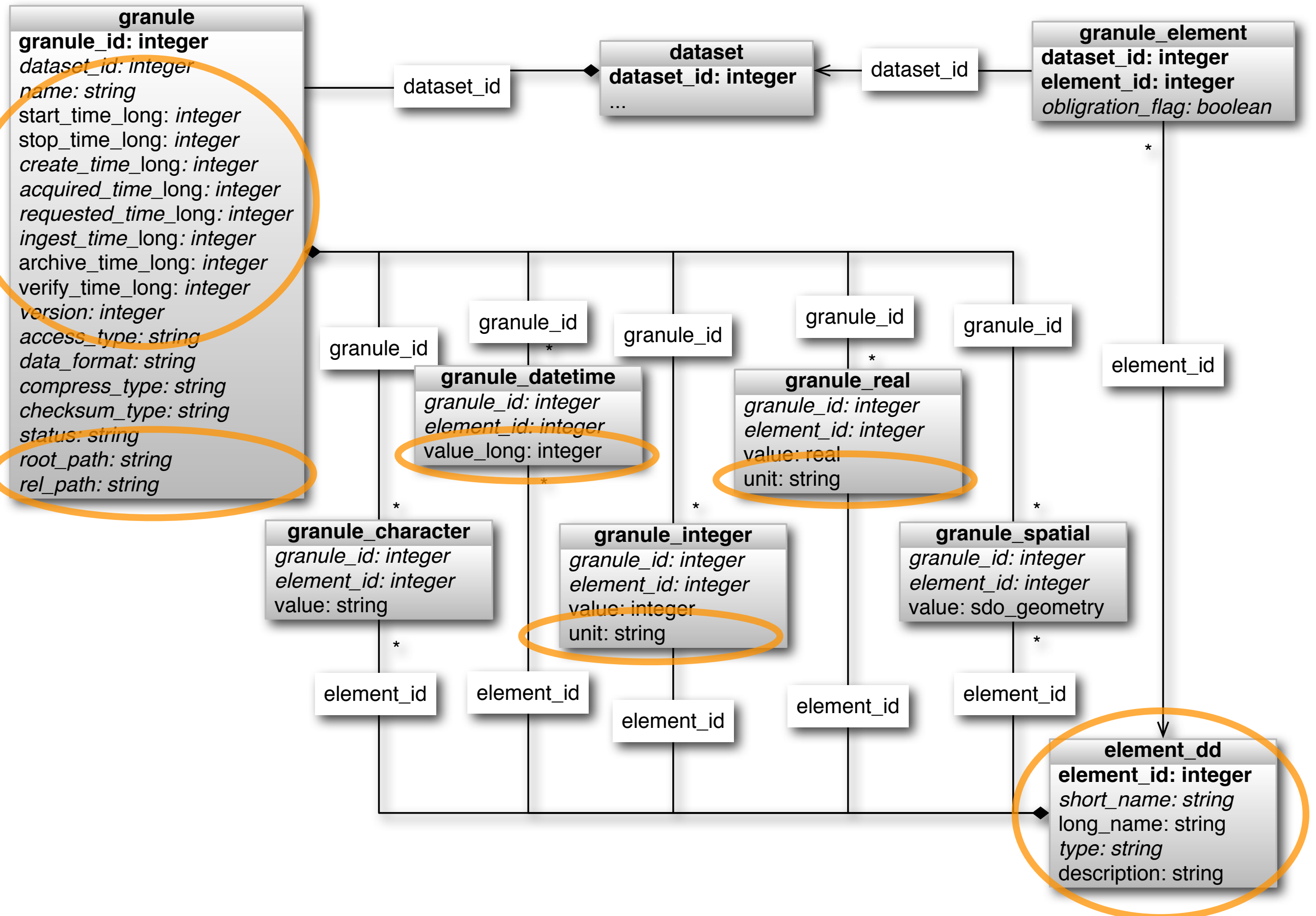
Program Set: Inventory -> Data Model -> Data Set



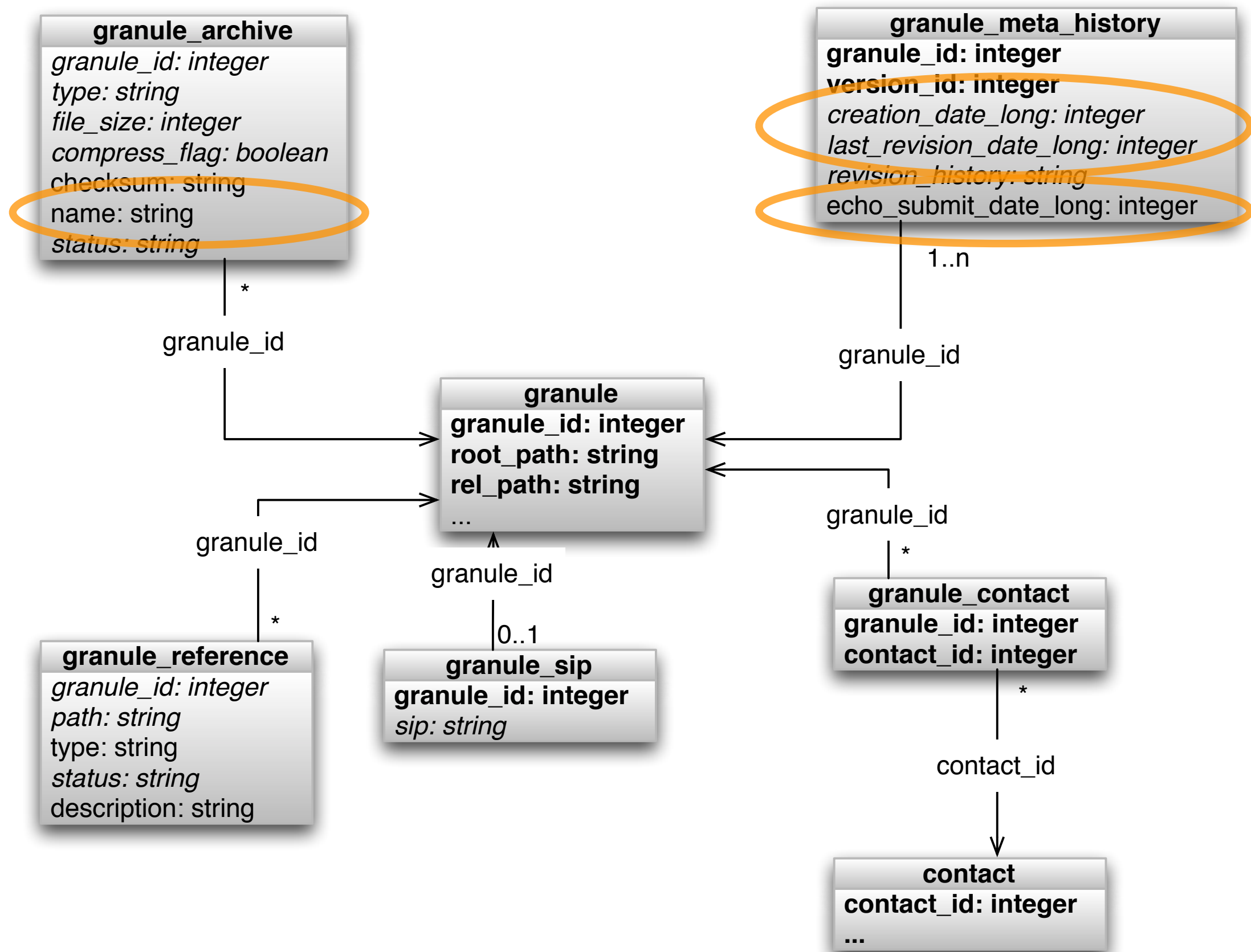
Program Set: Inventory -> Data Model -> Data Set



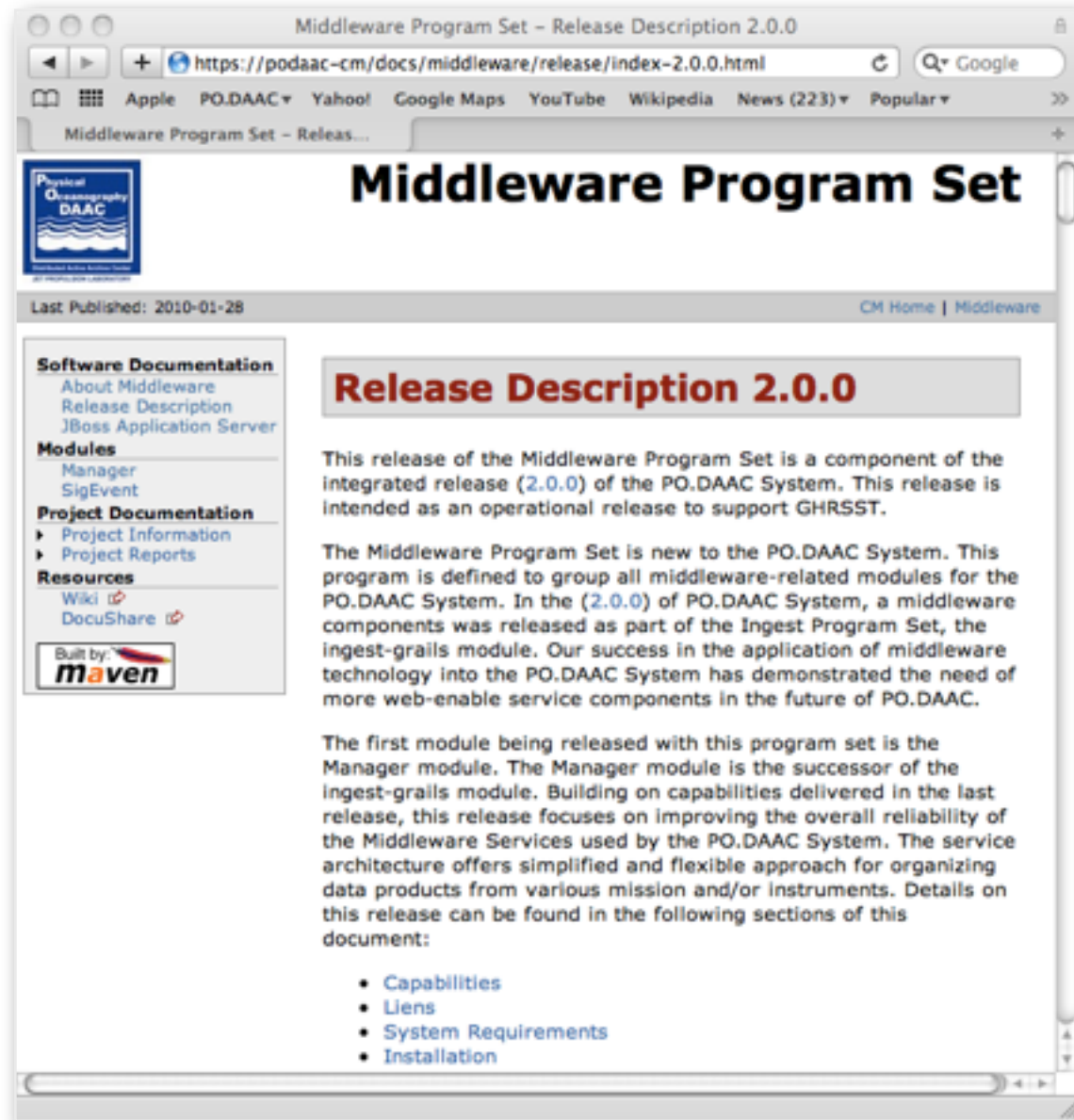
Program Set: Inventory -> Data Model -> Granule



Program Set: Inventory -> Data Model -> Granule



Program Set: Middleware



- Manager VWS
 - New monitor jobs to report issues to SigEvent VWS
 - latency: when provider failed to deliver as promised
 - granule stuck for over 24hrs
 - storage hits its threshold
 - lost connection to File Manager Engine (e.g. ingest/archive)
 - Migrations scripts to convert from v1.4.x to v2.0.0 data model
- SigEvent VWS
 - UI updates
 - improved event grouping organization
 - supports type-specific event display
 - create category-specific console (tabbed window)
 - AJAX support for automatic update
 - Migrations scripts to convert from v1.4.x to v2.0.0 data model

Program Set: Middleware -> SigEvent Viewer

PO.DAAC Sig Event Viewer
Physical Oceanography DAAC
Managing Data to Enable Understanding and Stewardship of the Ocean

Events | Notifications | **ASCAT-L2-12.5km:INFO** | **UNCATEGORIZED:ERROR**

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Event Groups

- ☒ Info ☒ Warn ☒ Error
- ☒ All Events
 - ☒ UNCATEGORIZED
 - ☐ DMAS
 - ☐ ABOM-L4HRfnd-AUS-RAM
 - ☐ ABOM-L4LRfnd-GLOB-GAM
 - ☐ ASCAT-L2-12.5km
 - ☐ ASCAT-L2-25km
 - ☐ DMI-L4UHfnd-NSEABALTIC
 - ☐ EUR-L2P-AMSRE
 - ☐ EUR-L2P-ATS_NR_2P
 - ☐ EUR-L2P-AVHRR16
-
-

Category	Type	Source	Computer	Description	Last Received
UNCATEGORIZED	INFO	manager	lanina	Ingest engine (horizonIngestDev_1) h...	Wed Jan 27 2010 15:50:34 GMT-0800 (PST)
UNCATEGORIZED	INFO	manager	lanina	Ingest engine (horizonIngestDev_2) h...	Wed Jan 27 2010 15:50:42 GMT-0800 (PST)

Event ID: 1
Category: UNCATEGORIZED
Type: INFO
Source: manager
First Received: Wed Jan 27 2010 15:50:34 GMT-0800 (PST)
Last Received: Wed Jan 27 2010 15:50:34 GMT-0800 (PST)
Provider: manager
Computer: lanina
PID:
Data Link: <http://lanina.jpl.nasa.gov:8100/sigevent/events/data?id=1>

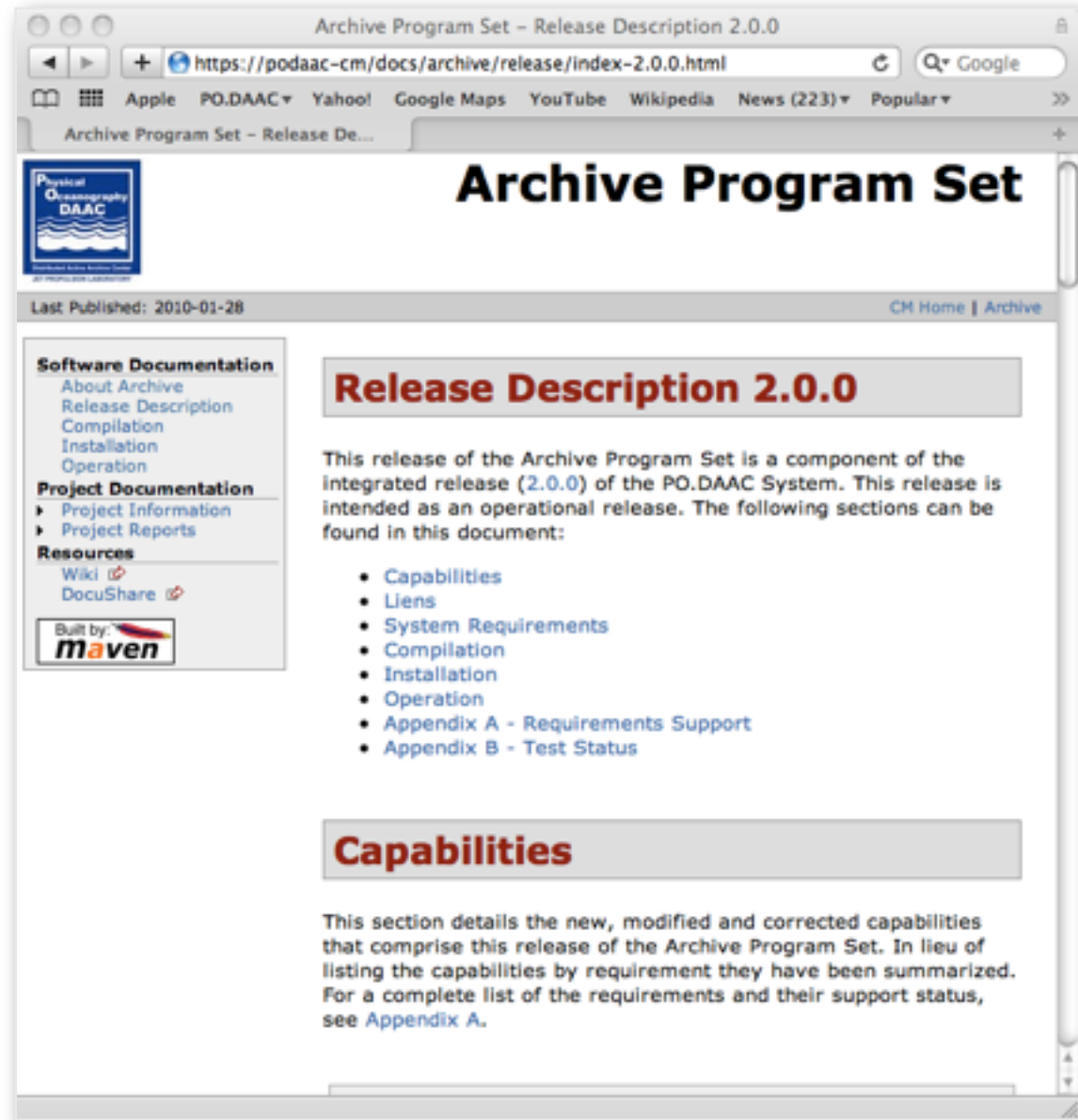
Search Events

Data Link: <http://lanina.jpl.nasa.gov:8100/sigevent/events/data?id=1>

PID:

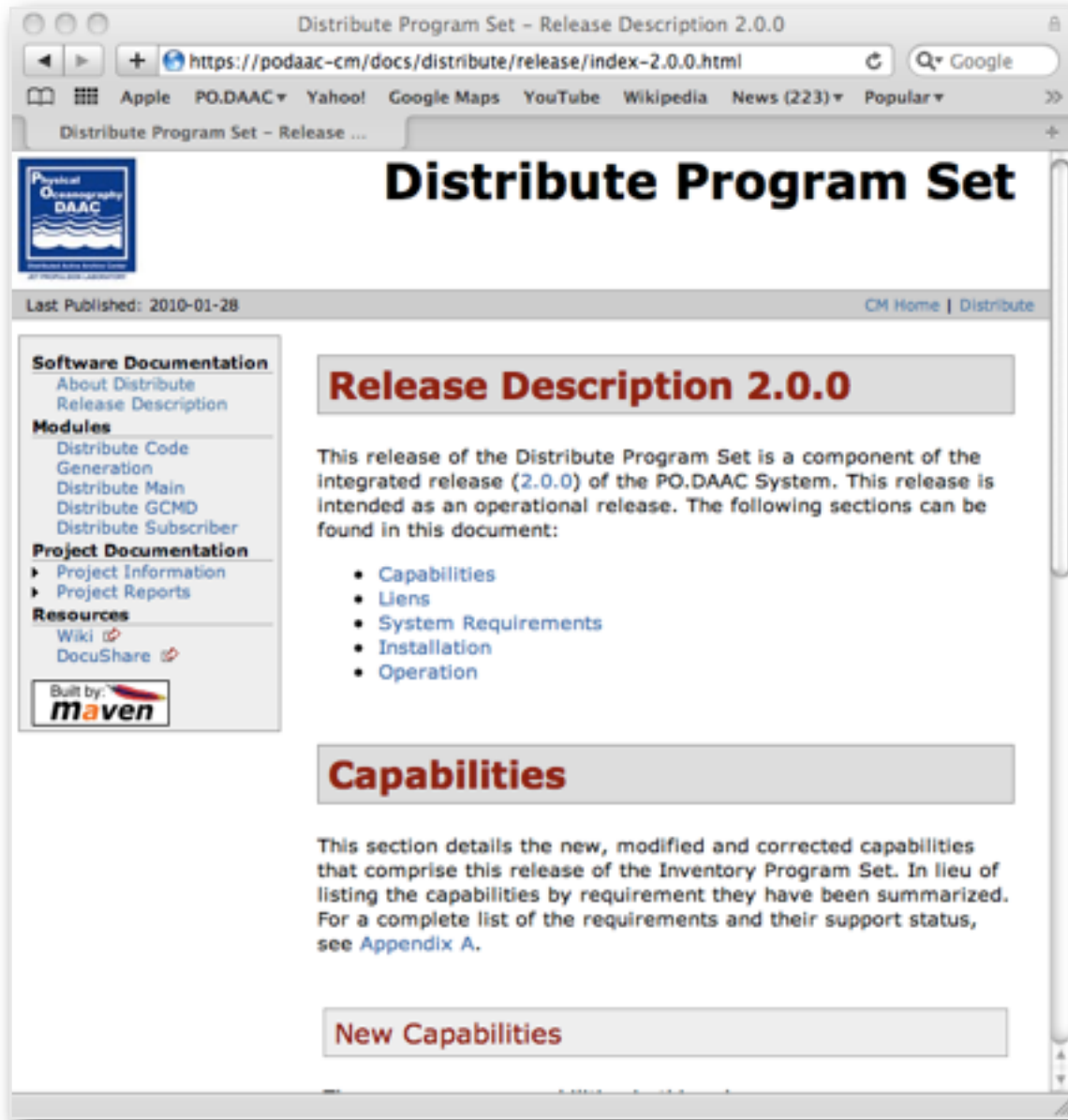
Computer: lanina

Program Set: Archive



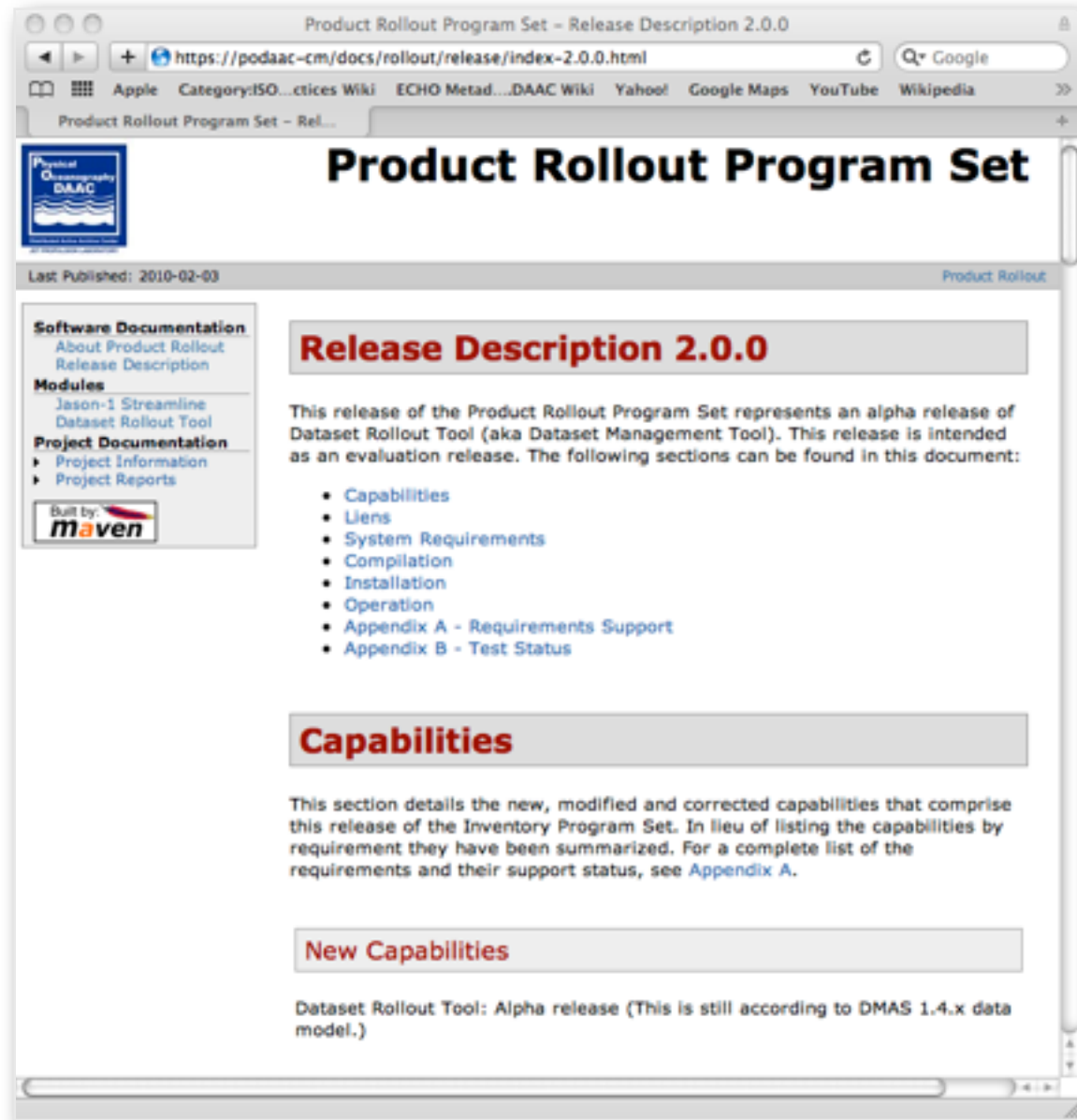
- Updated to use new Inventory API
- Relocate granules outside of absolute path defined in data set new requires confirmation from user.
- Corrected OpenDAP granule reference issue
- Corrected granule relocation outside of data set base path

Program Set: Distribute



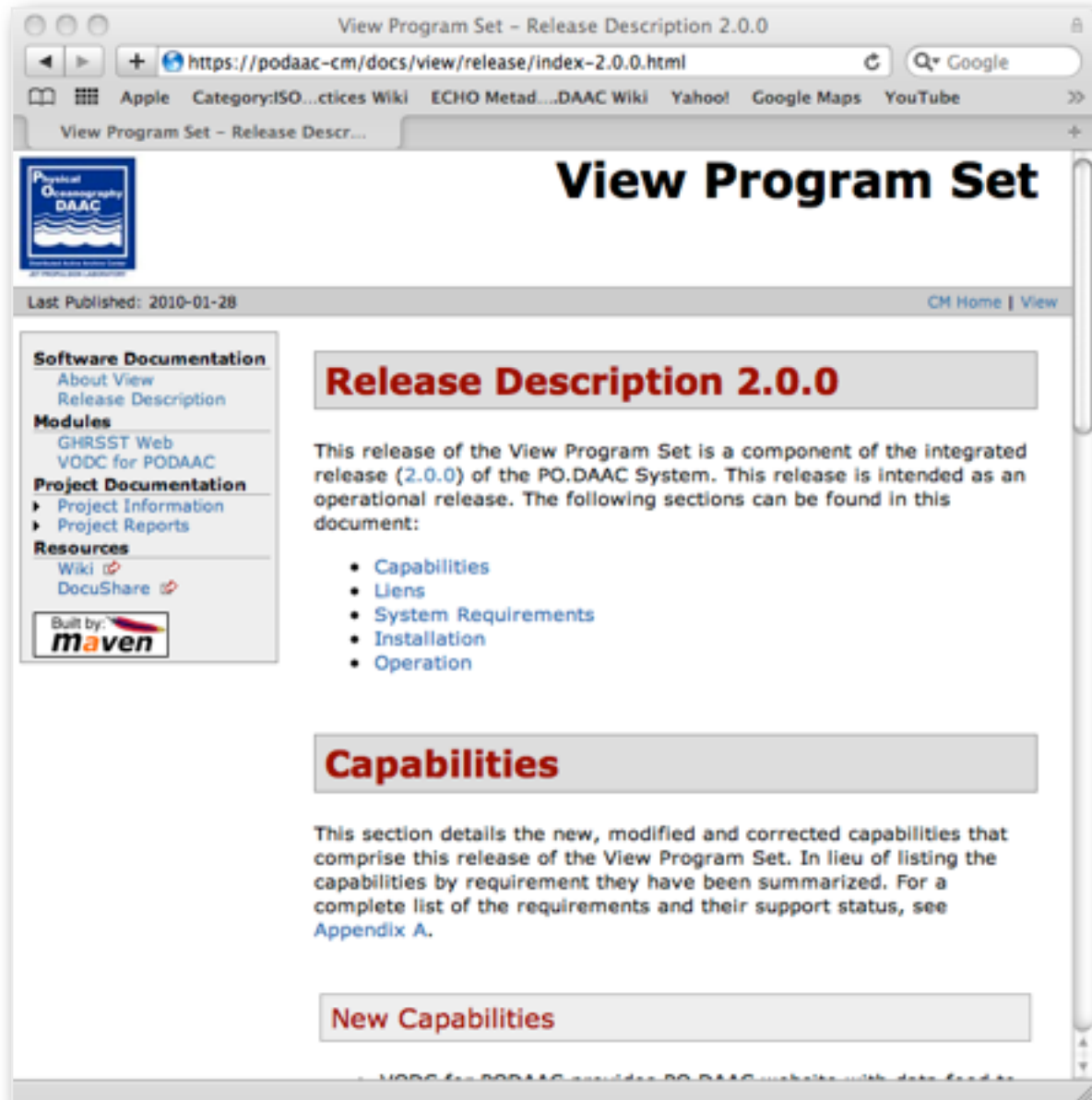
- Modified exporter to use the new GMT time stored in database
- Exporter now looks for collection_dataset table to determine if it needs to perform 0-360 to -180-180 conversions. ECHO requires -180-180 range for east/west longitude.

Program Set: Product Rollout



- No operational changes
- Contains an α release of Dataset Rollout Tool (aka Dataset Management Tool)
 - **WARNING:** this tool is still according to Data Model 1.4.x
 - **ETA DMAS 2.0.1 (late February 2010)**

Program Set: View



- ghrsst-web updated to use DMAS 2.0.0 data model
- VODC integration and documentation
 - **WARNING:** this tool is still according to Data Model 1.4.x
 - **ETA DMAS 2.0.1 (late February 2010)**

