

# iWay

Omni-Gen™ Consumption View  
User's Guide

Version 3.8

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# Preface

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This documentation describes how to use Omni-Gen™ Consumption View, a customizable data model builder with dynamic views to empower business analytics and reporting.

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## How This Manual Is Organized

This manual includes the following chapters:

	<b>Chapter/Appendix</b>	<b>Contents</b>
1	Introducing Omni-Gen Consumption View	Provides an overview of Omni-Gen Consumption View and summarizes key features.
2	Getting Started	Describes how to get started with using Omni-Gen Consumption View.
3	Configuring an Output Document Specification	Describes how to create, view, and deploy an Output Document Specification (ODS) using the Consumption View.

## Documentation Conventions

The following table lists and describes the documentation conventions that are used in this manual.

<b>Convention</b>	<b>Description</b>
<code>THIS TYPEFACE</code> or <code>this typeface</code>	Denotes syntax that you must type exactly as shown.
<i>this typeface</i>	Represents a placeholder (or variable), a cross-reference, or an important term. It may also indicate a button, menu item, or dialog box option that you can click or select.
<u>underscore</u>	Indicates a default setting.
Key + Key	Indicates keys that you must press simultaneously.
{ }	Indicates two or three choices. Type one of them, not the braces.

Convention	Description
	Separates mutually exclusive choices in syntax. Type one of them, not the symbol.
...	Indicates that you can enter a parameter multiple times. Type only the parameter, not the ellipsis (...).
. . .	Indicates that there are (or could be) intervening or additional commands.

## Related Publications

Visit our Technical Documentation Library at <http://documentation.informationbuilders.com>. You can also contact the Publications Order Department at (800) 969-4636.

## Customer Support

Do you have any questions about this product?

Join the Focal Point community. Focal Point is our online developer center and more than a message board. It is an interactive network of more than 3,000 developers from almost every profession and industry, collaborating on solutions and sharing tips and techniques. Access Focal Point at <http://forums.informationbuilders.com/eve/forums>.

You can also access support services electronically, 24 hours a day, with InfoResponse Online. InfoResponse Online is accessible through our website, <http://www.informationbuilders.com>. It connects you to the tracking system and known-problem database at the Information Builders support center. Registered users can open, update, and view the status of cases in the tracking system and read descriptions of reported software issues. New users can register immediately for this service. The technical support section of <http://www.informationbuilders.com> also provides usage techniques, diagnostic tips, and answers to frequently asked questions.

Call Information Builders Customer Support Services (CSS) at (800) 736-6130 or (212) 736-6130. Customer Support Consultants are available Monday through Friday between 8:00 a.m. and 8:00 p.m. EST to address all your questions. Information Builders consultants can also give you general guidance regarding product capabilities and documentation. Please be ready to provide your six-digit site code number (xxxx.xx) when you call.

To learn about the full range of available support services, ask your Information Builders representative about InfoResponse Online, or call (800) 969-INFO.

## Help Us to Serve You Better

To help our consultants answer your questions effectively, be prepared to provide specifications and sample files and to answer questions about errors and problems.

The following tables list the environment information our consultants require.

<b>Platform</b>	
<b>Operating System</b>	
<b>OS Version</b>	
<b>JVM Vendor</b>	
<b>JVM Version</b>	

The following table lists additional questions to help us serve you better.

<b>Request/Question</b>	<b>Error/Problem Details or Information</b>
Did the problem arise through a service or event?	
Provide usage scenarios or summarize the application that produces the problem.	
When did the problem start?	
Can you reproduce this problem consistently?	
Describe the problem.	
Describe the steps to reproduce the problem.	
Specify the error message(s).	

Request/Question	Error/Problem Details or Information
Any change in the application environment: software configuration, EIS/database configuration, application, and so forth?	
Under what circumstance does the problem <i>not</i> occur?	

The following is a list of error/problem files that might be applicable.

- Input documents (XML instance, XML schema, non-XML documents)
- Transformation files
- Error screen shots
- Error output files
- Trace files
- Custom functions and agents in use
- Diagnostic Zip
- Transaction log

## User Feedback

In an effort to produce effective documentation, the Technical Content Management staff welcomes your opinions regarding this document. Please use the Reader Comments form at the end of this document to communicate your feedback to us or to suggest changes that will support improvements to our documentation. You can also contact us through our website, <http://documentation.informationbuilders.com/connections.asp>.

Thank you, in advance, for your comments.

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## Introducing Omni-Gen Consumption View

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This section provides an overview of Omni-Gen Consumption View and summarizes key features.

**In this chapter:**

- [Overview](#)
  - [Key Benefits and Advantages](#)
  - [Supported Data](#)
  - [Frequently Asked Questions](#)
- 

### Overview

Omni-Gen Consumption View enables organizations to leverage existing data, generating valuable actionable insights, which lead to tangible business results. Leveraging Omni-Gen Consumption View to compile and relate content across the entire organizational spectrum, business users can be empowered to communicate, visualize, and analyze data effectively.

Omni-Gen Consumption View is a customizable data model builder with dynamic views to empower business analytics and reporting. Consumption View makes it easier to develop metrics and analytics from data collected into an Omni-Gen data repository. It provides the ability to offer multiple types of data including metrics, aggregations, promotions, and rule conversions. Consumption View also provides structural simplification in navigating the information model by denormalizing the most frequently used data elements. Denormalizing is the process of trying to improve the read performance of a database.

Omni-Gen Consumption View also enables users to trim large data sets (reports) to smaller more manageable data sets. For example, a report containing 500 columns of information can be scaled down to 20 columns of data that is specific for a user's requirements, which also reduces processing time.

**Prerequisites:**

- Omni-Gen version 3.8 or higher

- ❑ Relational Database Management System (RDBMS), such as SQL Server, MySQL, or PostgreSQL

## Key Benefits and Advantages

Key benefits of Omni-Gen Consumption View include:

- ❑ Allowing high access level users (system administrators) to create custom and specific views or documents for lower access level users.
- ❑ Offering users detailed data for their needs, such as specific subject fields, geographic criteria, or demographic metrics.
- ❑ Providing simplification in navigating information models of data elements required for analytics and reporting.
- ❑ Providing a more simplified interface designed to make report designers more productive and reports execute more efficiently.
- ❑ The ability to operate as a completely model-driven service, so that it can operate without Omni-Gen.
- ❑ The ability to run metrics as soon as the data is loaded into the Omni-Gen repositories or tables.
- ❑ Providing for the ability to show dashboards on a smaller scale.

## Supported Data

The following data is used for Omni-Gen Consumption View:

- ❑ The input to Consumption View builder is the Input Document Specification (IDS).
- ❑ A consumption view is a document structure based on one or more IDS subjects.
- ❑ The output is a custom Output Document Specification (ODS) model or report:
  - ❑ Multiple ODS's can be created from a single IDS that is in the project bundle.
  - ❑ The ODS is provided in JSON format.
- ❑ Execution of an ODS is performed by a work order. The work order truncates the ODS tables and populates them from the model.

## Frequently Asked Questions

1. *Can you output an ODS into a different Database?*

Yes, this way a reporting application (for example, WebFOCUS) can have access to that ODS and will not require access to the Omni-Gen repository.

2. *What is available to see the data?*

Your favorite Relational Database Management System (RDBMS), such as SQL Server, MySQL, or PostgreSQL.

3. *Where is the real data?*

It is stored in the database you specify as the consumption data source in the OmniGen console.

4. *Is the data updated in real time?*

For the current release, the Consumption View database is updated on demand.

5. *What constraints are there regarding the database targets?*

Any database supported by Omni-Gen can be used.

6. *Can Consumption View be used to populate and update data stored somewhere else?*

Yes, as long as Omni-Gen has the credentials to the desired target.



## Getting Started

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This section describes how to get started with using Omni-Gen Consumption View.

**In this chapter:**

- [Verifying Omni Services and Deploying a Bundle](#)
  - [Accessing the Consumption View Console](#)
- 

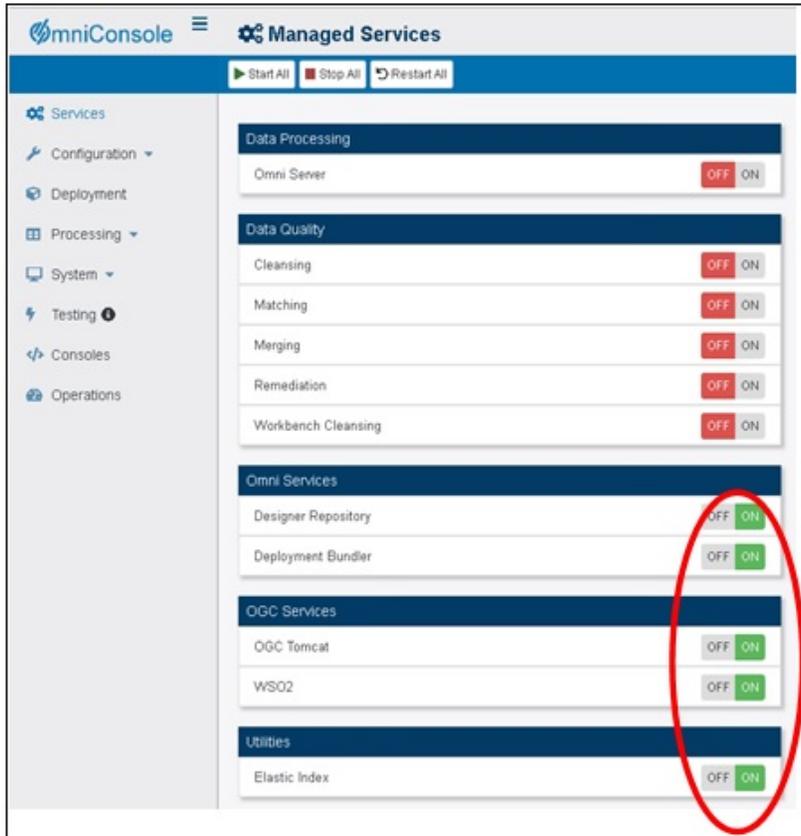
### Verifying Omni Services and Deploying a Bundle

Before you begin using Omni-Gen Consumption View, you must ensure that several Omni services are started and then deploy a bundle.

1. In the Omni Console, click the *Services* tab in the left pane and verify that the following Omni Services, OGC Services, and Utilities are started (On).
  - Omni Services:
    - Designer Repository
    - Deployment Bundler
  - OGC Services:
    - OGC Tomcat
    - WS02

## Verifying Omni Services and Deploying a Bundle

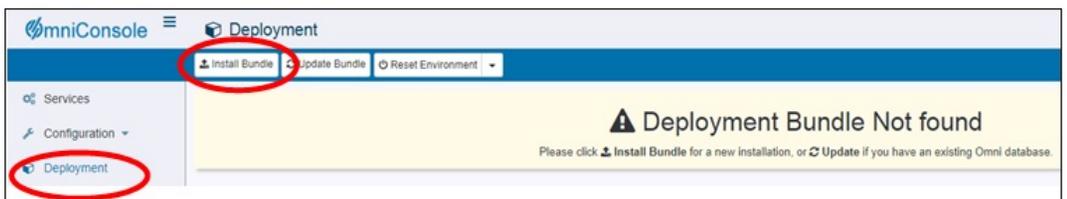
- ❑ Utilities:
  - ❑ Elastic Index



Note, if you need to start these services, this process may take a few minutes to complete.

When you have verified that these services are started, you can proceed with deploying a bundle.

2. Click *Deployment* in the left pane and then *Install Bundle*, as shown in the following image.



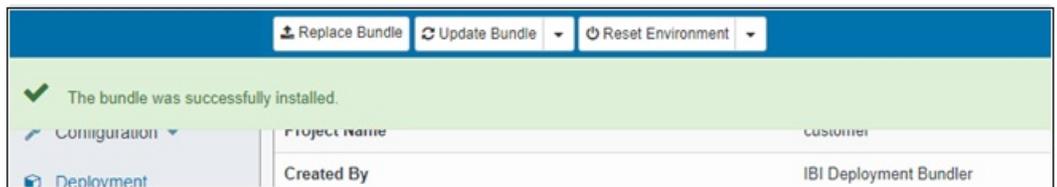
3. Select the desired bundle you want to deploy.

The Deployment Progress status pane opens, as shown in the following image.

Deployment Progress			
Operation	Status	Start Time	Elapsed Time
Start Workbench maintenance	Complete	2018-11-05 16:19:44.958	0.136
Terminate Workbench jobs	Complete	2018-11-05 16:19:45.102	0.05
Backup deployment artifacts	Complete	2018-11-05 16:19:46.217	0.016
Bundle Deployment Started	Complete	2018-11-05 16:19:46.264	0
Clean deployment artifacts	Complete	2018-11-05 16:19:46.295	0
Copy Bundle	Complete	2018-11-05 16:19:46.319	0.038
Explode Bundle	Complete	2018-11-05 16:19:46.373	1.343
Copy bootstrap files	Complete	2018-11-05 16:19:47.732	0
Generate Effective IDS documents	Complete	2018-11-05 16:19:47.748	0.719
Generate IDS documentation	Complete	2018-11-05 16:19:48.482	0.672
Generate IDS Example OID's	Complete	2018-11-05 16:19:49.154	0.236
Generate XSD Schemas for the IDS documents	Complete	2018-11-05 16:19:49.390	0.421
Generate the JPA Model for the IDS documents	Complete	2018-11-05 16:19:49.811	1.719
Compile the JPA Model for the IDS documents	Active	2018-11-05 16:19:51.530	0

Note, this process may take a few minutes to complete (depending on the bundle size).

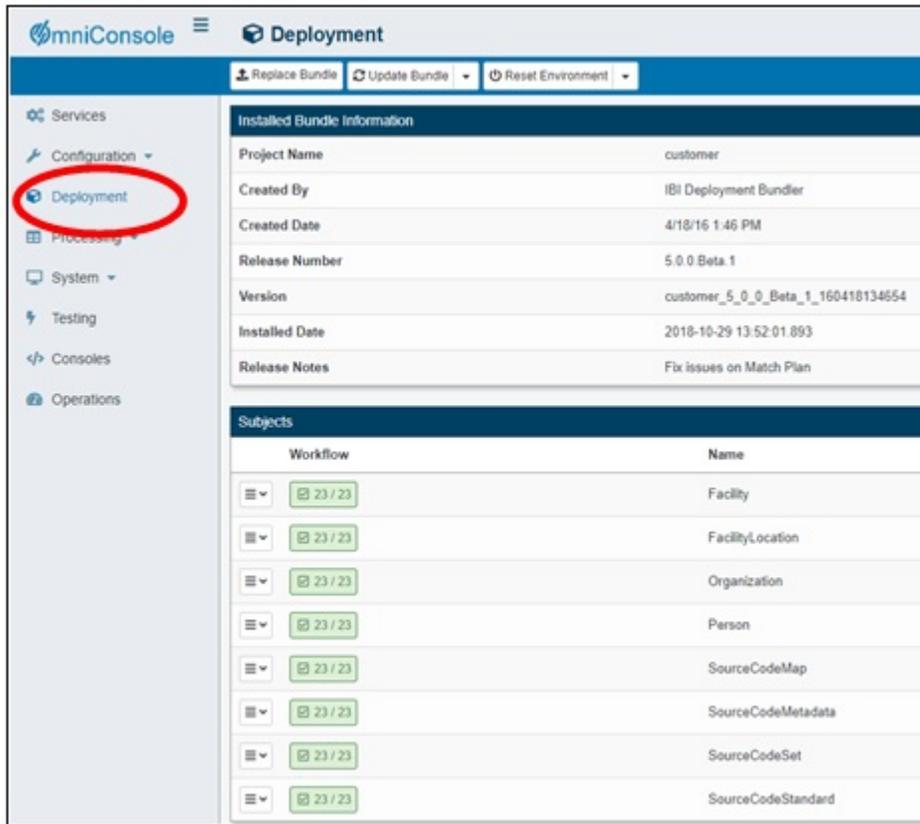
When your bundle has been deployed, the successfully installed message is displayed, as shown in the following image.



4. Click the X on the right-hand side to close this message, as shown in the following image.



Information regarding your installed bundle is displayed, as shown in the following image.



5. Click the *Services* tab in the left pane and start the following Data Processing and Data Quality services.

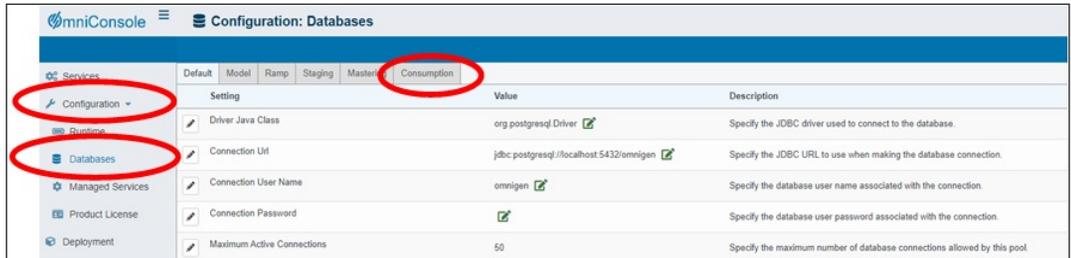
- Data Processing:
  - Omni Server
- Data Quality:
  - Cleansing
  - Matching
  - Merging
  - Remediation

## Workbench Cleansing

<b>Data Processing</b>	
Omni Server	OFF ON
<b>Data Quality</b>	
Cleansing	OFF ON
Matching	OFF ON
Merging	OFF ON
Remediation	OFF ON
Workbench Cleansing	OFF ON
<b>Omni Services</b>	
Designer Repository	OFF ON
Deployment Bundler	OFF ON
<b>OGC Services</b>	
OGC Tomcat	OFF ON
WSO2	OFF ON
<b>Utilities</b>	
Elastic Index	OFF ON

## Accessing the Consumption View Console

6. To view the Consumption View database settings, values, and descriptions, click the *Configuration* tab in the left pane, select *Databases*, and then click the *Consumption* tab, as shown in the following image.



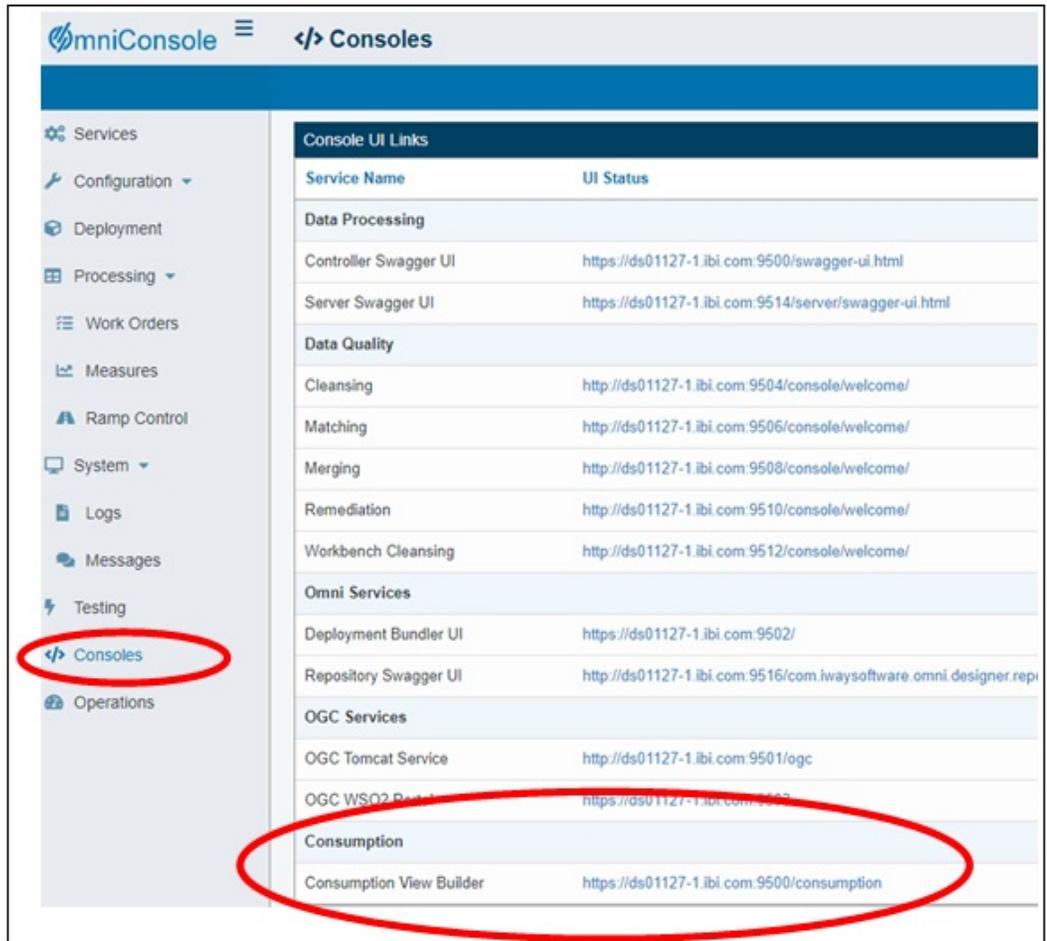
## Accessing the Consumption View Console

You can access the Consumption View console through the Omni Console or directly by using a URL.

### Omni Console Access

From the Omni Console, click *Consoles* in the left pane

The Consoles page opens, as shown in the following image.



Scroll down this page and click the URL to the right of the *Consumption View Builder* entry.

### Direct URL Access

Open a web browser and enter the following URL in a new browser tab:

<https://hostname:9500/consumption>

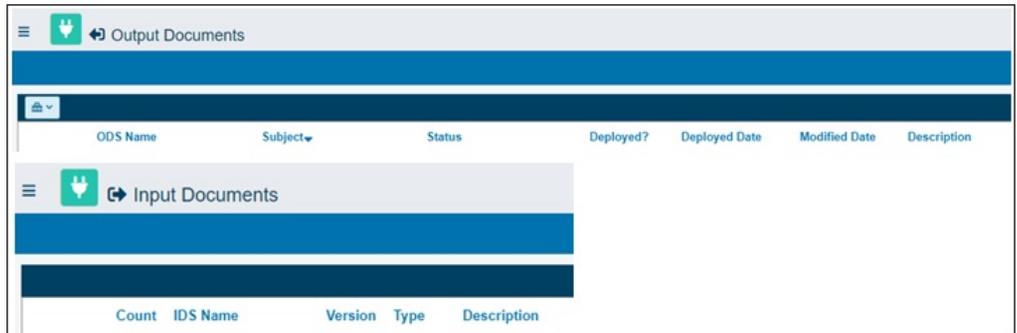
where:

*hostname*

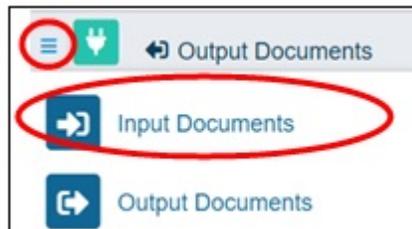
Is the name of your system and domain where Omni-Gen and Consumption View is installed and hosted.

1. Log in with the proper credentials.

Consumption View opens, as shown in the following image.



2. Click the collapse menu icon (also referred to as a hamburger button) on the left to access the drop-down menu, which includes options to select *Input Documents* or *Output Documents*, as shown in the following image.

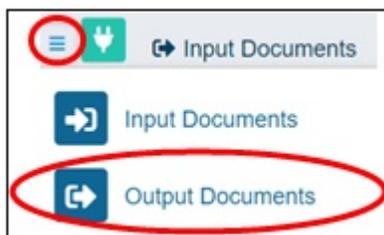


3. Click *Input Documents*.

The Input Documents Specification (IDS) screen is displayed and the IDS Name column will be pre-populated based on the deployment bundle that you deployed in the Omni Console, as shown in the following image.

Count	IDS Name	Version	Type	Description
5	Facility	1.1.7	instance	A Facility repres
1	FacilityLocation	1.1.7	instance	Use this specific
2	Organization	1.1.7	instance	Use this specific
1	Person		instance	
2	PersonMaster		master	
2	SourceCodeMap	3.0.0	instance	Use this IDS to k
2	SourceCodeMetadat	3.0.0	instance	SourceCodeMet
2	SourceCodeSet	3.0.0	instance	This structure is
2	SourceCodeStandard	3.0.0	instance	Use this IDS to k

4. Click *Output Documents* from the menu, as shown in the following image.

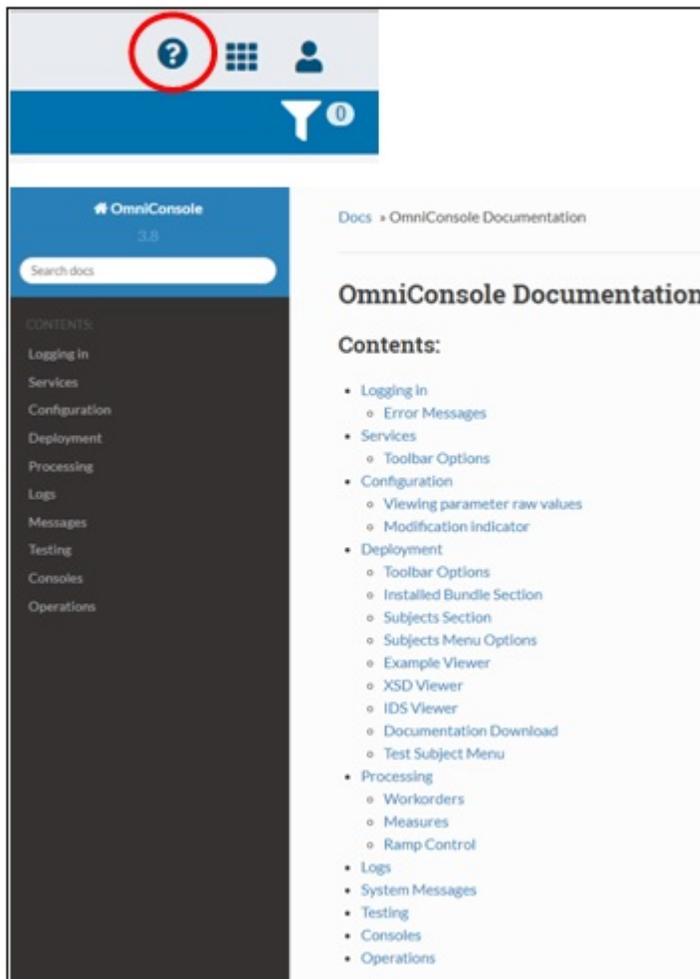


This screen will show the Output Document Specification (ODS) created based on the IDS as defined by the deployment bundle, as shown in the following image.

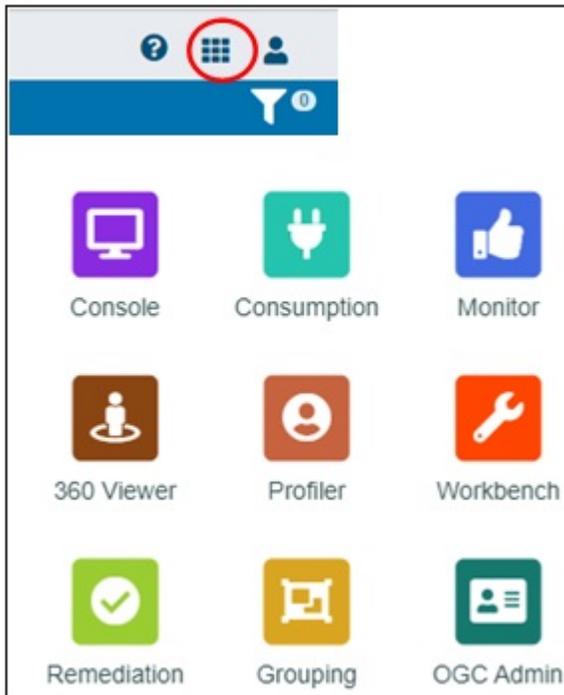
ODS Name	Subject	Status	Deployed?	Deployed Date	Modified Date	Description
----------	---------	--------	-----------	---------------	---------------	-------------

Initially, the list will be blank until an ODS is created.

5. You can access the online help for the Omni Console by clicking the question mark (?) icon, as shown in the following image.



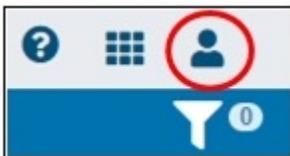
- To quickly access additional Omni-Gen consoles, click the Omni Applications (checker box) icon, as shown in the following image.



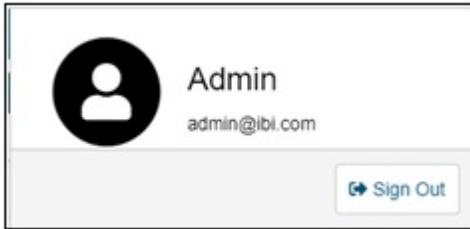
Selecting a console icon will open that console in a new browser tab.

**Note:** Some console icons will be active as of Omni-Gen version 4.0 or higher.

- The user profile of the user who is currently logged in is available by clicking the User Profile icon, as shown in the following image.



The following example shows a user profile for an admin user.



8. To access filters, click the funnel icon or the filter counter in the circle adjacent to the icon, as shown in the following image.

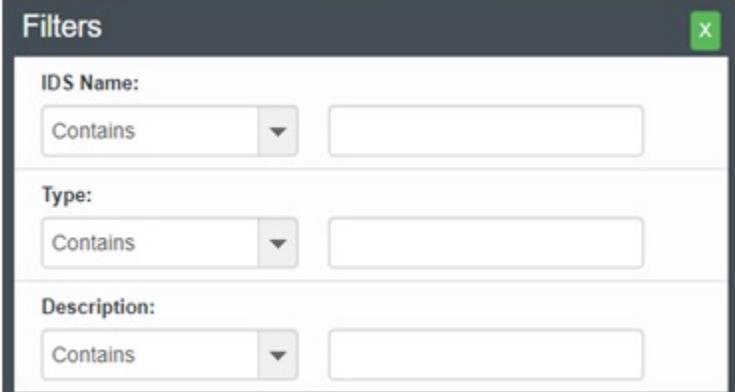


In the Output Documents screen, the Filters dialog box opens, as shown in the following image.

A "Filters" dialog box with a dark header and a close button (X) in the top right corner. The dialog contains several filter criteria, each with a dropdown menu and an input field:

- ODS Name:** Contains (dropdown) [input field]
- Subject:** Equals (dropdown) [input field]
- Status:** Equals (dropdown) [dropdown menu]
- Deployed Date:** After (dropdown) [input field: MM/DD/YYYY HH:MM] [calendar icon]
- Modified Date:** After (dropdown) [input field: MM/DD/YYYY HH:MM] [calendar icon]
- Description:** Contains (dropdown) [input field]

In the Input Documents screen, the Filters dialog box opens, as shown in the following image.



The image shows a 'Filters' dialog box with a dark header and a light body. The header contains the title 'Filters' and a green close button with an 'x'. The body is divided into three sections, each with a label and a form element:

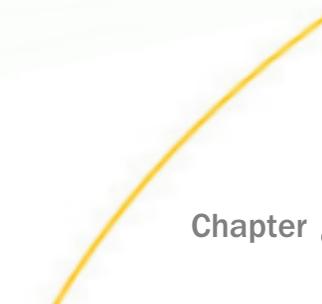
- IDS Name:** A dropdown menu showing 'Contains' and an empty text input field.
- Type:** A dropdown menu showing 'Contains' and an empty text input field.
- Description:** A dropdown menu showing 'Contains' and an empty text input field.

Drop-down menus provide lists of available filter options for each section.

After filters have been created, the filter counter will indicate the number of filters that have been created. Clicking on the filter counter will also open the Filters dialog box.







# Chapter 3

## Configuring an Output Document Specification

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This section describes how to create, view, and deploy an Output Document Specification (ODS) using the Consumption View.

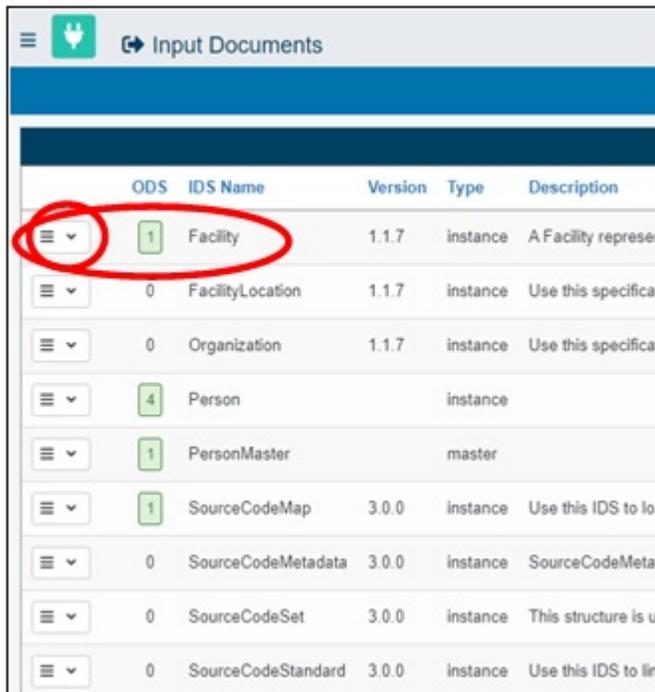
**In this chapter:**

- [Creating an Output Document Specification](#)
  - [Viewing an Output Document Specification](#)
  - [Deploying an Output Document Specification](#)
  - [Viewing the Work Order](#)
  - [Creating Filters](#)
  - [Configuring Promotions](#)
  - [Loading Sample or Test Data](#)
  - [Viewing Updated Tables in the Database](#)
-

## Creating an Output Document Specification

To create an Output Document Specification (ODS):

1. From the Input Documents screen, select the drop-down menu icon to the left of the Input Document Specification (IDS) document name from which the ODS will be created, as shown in the following image.

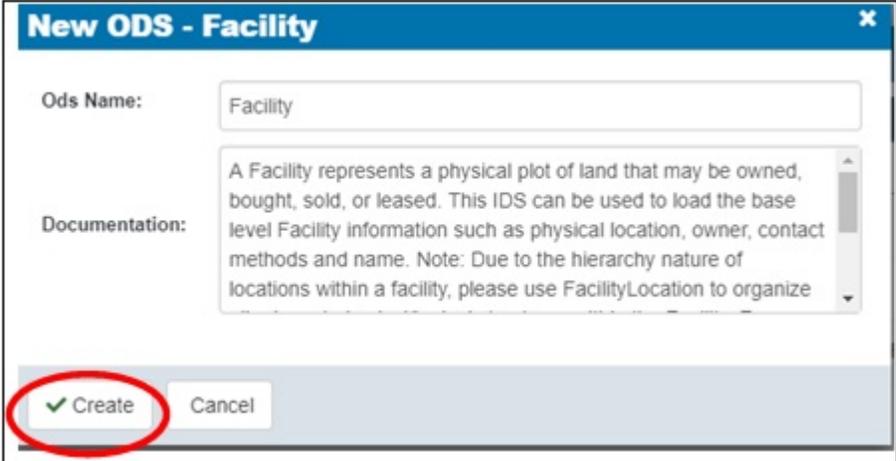


ODS	IDS Name	Version	Type	Description
1	Facility	1.1.7	instance	A Facility represent
0	FacilityLocation	1.1.7	instance	Use this specificati
0	Organization	1.1.7	instance	Use this specificati
4	Person		instance	
1	PersonMaster		master	
1	SourceCodeMap	3.0.0	instance	Use this IDS to loa
0	SourceCodeMetadata	3.0.0	instance	SourceCodeMetad
0	SourceCodeSet	3.0.0	instance	This structure is us
0	SourceCodeStandard	3.0.0	instance	Use this IDS to link

2. Select *New Output Document*, as shown in the following image.



The New ODS - Facility dialog box opens, as shown in the following image.



**New ODS - Facility**

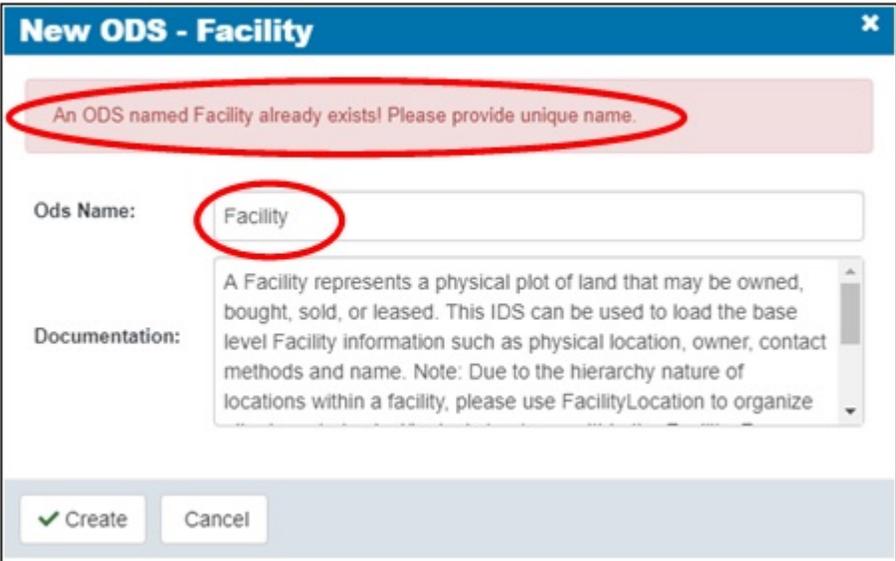
Ods Name: Facility

Documentation: A Facility represents a physical plot of land that may be owned, bought, sold, or leased. This IDS can be used to load the base level Facility information such as physical location, owner, contact methods and name. Note: Due to the hierarchy nature of locations within a facility, please use FacilityLocation to organize

✓ Create Cancel

3. Verify the ODS name and add any additional documentation text (optional).
4. Click *Create*.

**Note:** If the ODS name already exists, a corresponding message is displayed in the New ODS - Facility dialog box, as shown in the following image.



**New ODS - Facility**

An ODS named Facility already exists! Please provide unique name.

Ods Name: Facility

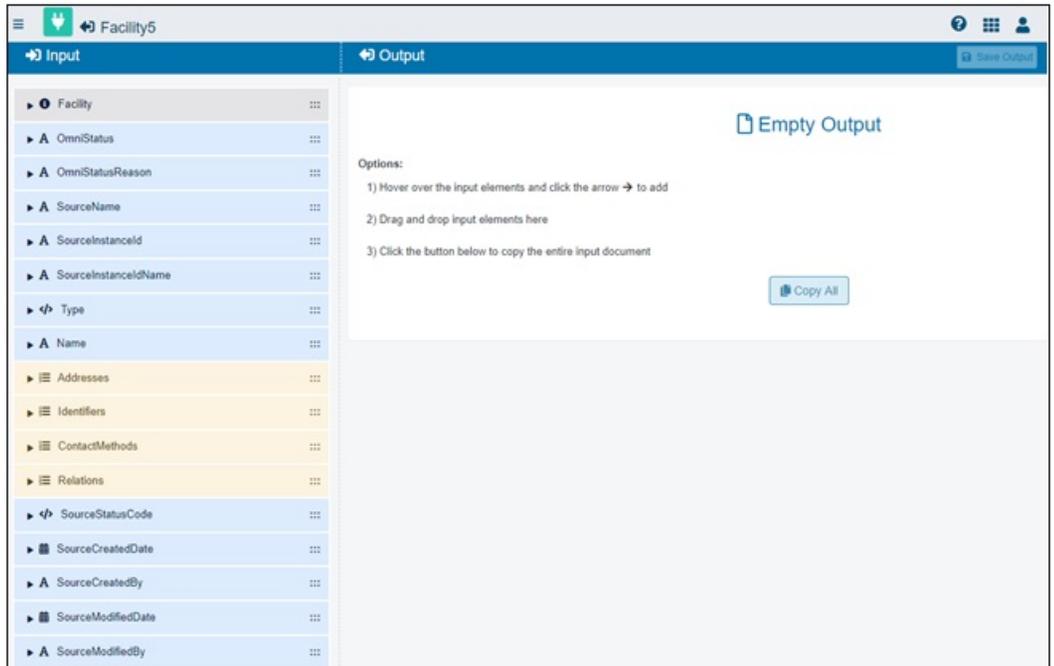
Documentation: A Facility represents a physical plot of land that may be owned, bought, sold, or leased. This IDS can be used to load the base level Facility information such as physical location, owner, contact methods and name. Note: Due to the hierarchy nature of locations within a facility, please use FacilityLocation to organize

✓ Create Cancel

If you encounter a duplicate name condition, simply modify the ODS name and click *Create* to continue, as shown in the following image.

The image shows a dialog box titled "New ODS - Facility" with a close button (X) in the top right corner. At the top, a red error message reads: "An ODS named Facility already exists! Please provide unique name." Below this, the "Ods Name:" field contains the text "Facility2", which is circled in red. Underneath, the "Documentation:" section contains a text area with the following text: "A Facility represents a physical plot of land that may be owned, bought, sold, or leased. This IDS can be used to load the base level Facility information such as physical location, owner, contact methods and name. Note: Due to the hierarchy nature of locations within a facility, please use FacilityLocation to organize". At the bottom of the dialog, there are two buttons: "Create" (with a green checkmark icon) and "Cancel". The "Create" button is circled in red.

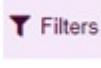
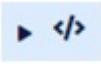
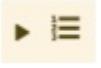
A new screen for the ODS you are creating with Input and Output panes is displayed, as shown in the following image.



5. Selecting elements for the ODS can be performed in three ways:

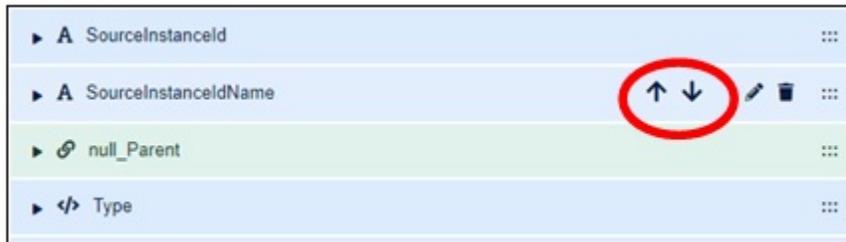
- Hover over the element in the Input pane on the left and click the right arrow.
- Click and drag the required element(s) from the Input pane to the *Empty Output* area in the Output pane.
- Click *Copy All* to copy all elements to the Output pane.

The following table provides an IDS/ODS element color and code legend.

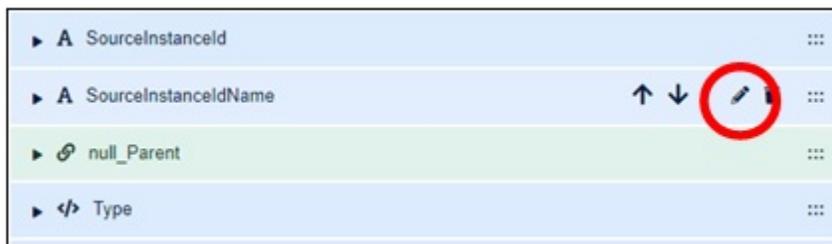
Color	Icon	Description
Grey		Document name (can be either IDS or ODS).
Pink		Screen to add filters within the ODS.
Blue		String basic element.
Blue		Code basic element.
Blue		Date and Date Time basic element.
Blue		Number basic element.
Yellow		List.
Green		Links.
Orange		Promoted (appears in the Output pane when an element is promoted).

If required, the order of the document elements can be adjusted so they appear differently on selected reports.

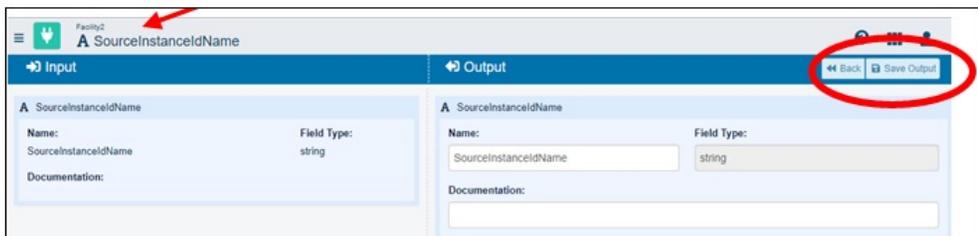
6. Hover over the element name and click the up or down arrow to move the element to the required position, as shown in the following image.



You can edit the name and description for an element by clicking the pencil icon, as shown in the following image.

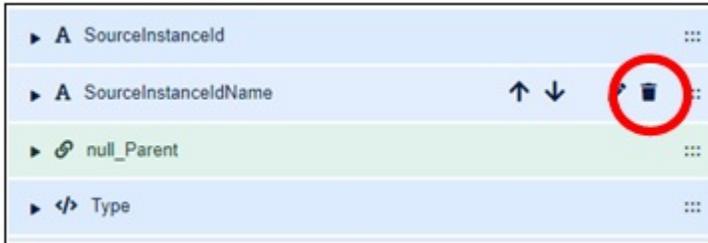


The breadcrumb location indicator reflects any changes that you apply to the element, as shown in the following image.



The Save Output and Back buttons are located in the upper-right corner. Click *Save Output* to save your configuration at any point or click *Back* to return to the previous screens and modify your current configuration.

7. If you need to delete an element (General, List, Link, Promoted), hover over the element name and click the trash can icon, as shown in the following image.

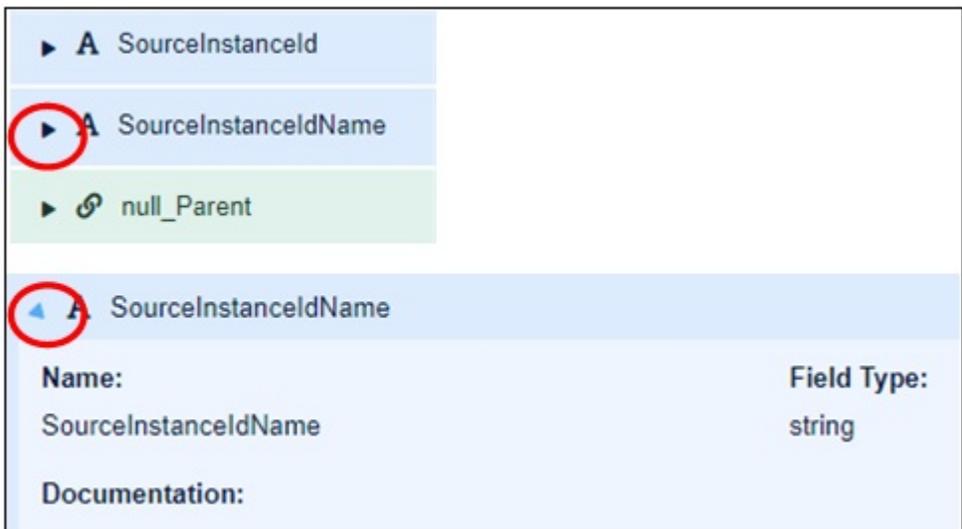


8. If an element is copied to the Input screen more than once, a number is randomly generated as a reminder to edit the element name, as shown in the following image.

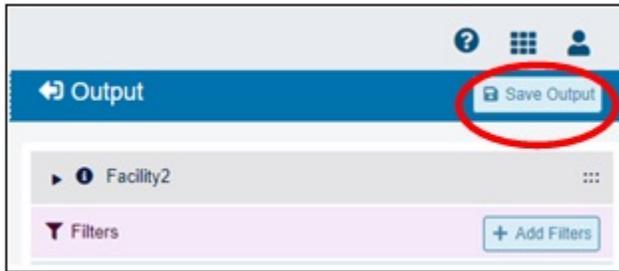


In this example, the number 769 is randomly generated as a reminder to edit the element. To edit the element, click the pencil icon, as previously described.

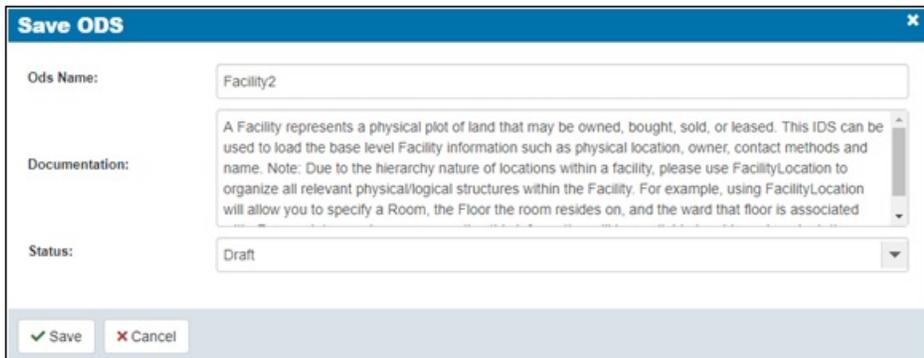
9. To expand an element and view additional properties, click the arrow to the left of the element name, as shown in the following image.



10. When you have finished configuring your ODS, click *Save Output* in the upper-right corner, as shown in the following image.

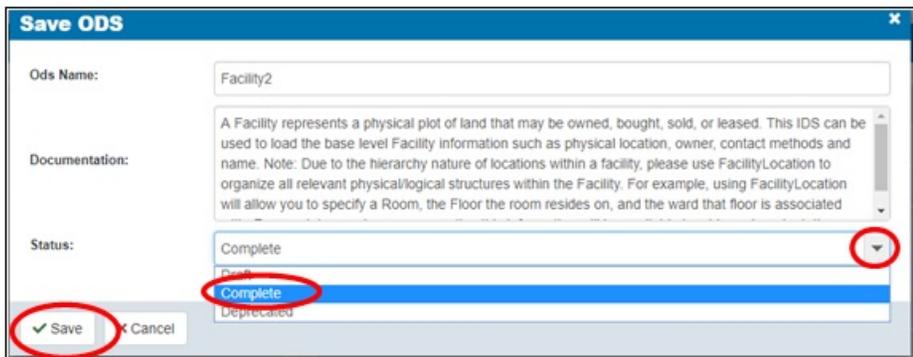


The Save ODS dialog box opens, as shown in the following image.



11. Ensure that the Omni Console is started.

12. Select *Complete* from the Status drop-down list, as shown in the following image.



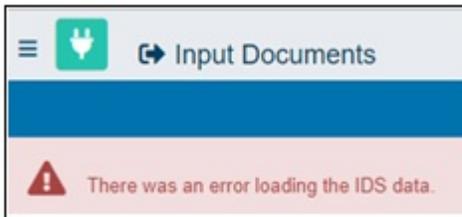
The following is a description of each option in the Status drop-down list:

- Draft.** The ODS is not yet saved and cannot be deployed to the Omni-Gen repository.
- Complete.** The ODS is saved and can be deployed to the Omni-Gen repository.
- Deprecated.** Elements of the ODS are in the process of being replaced by newer versions.

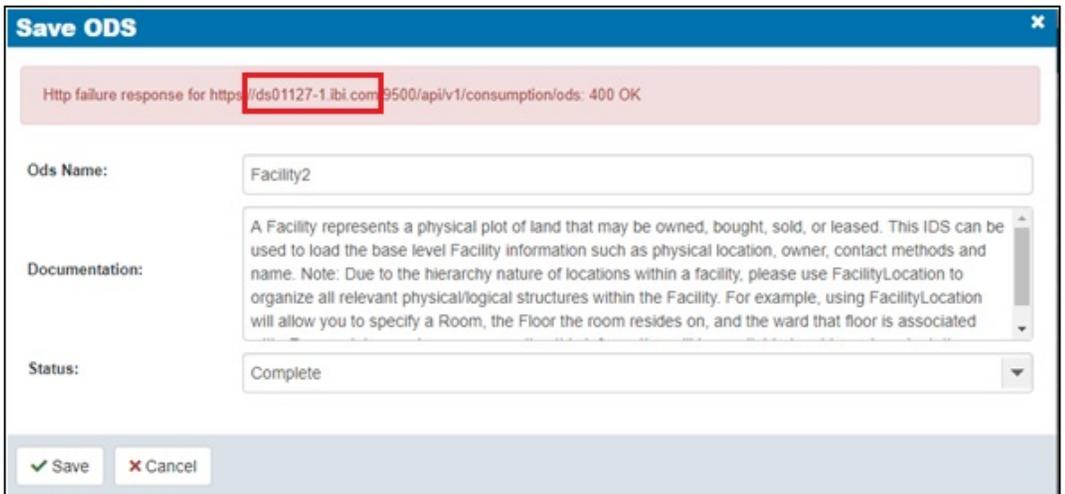
**Note:** Only a completed ODS can be deployed to the Omni-Gen repository. For more information, see [Deploying an Output Document Specification](#) on page 41.

13. Click Save.

If the following error message is displayed, ensure that the Omni Console is started.



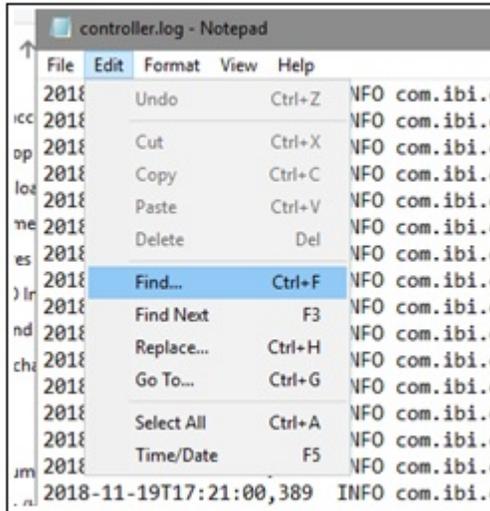
If the following error message is displayed:



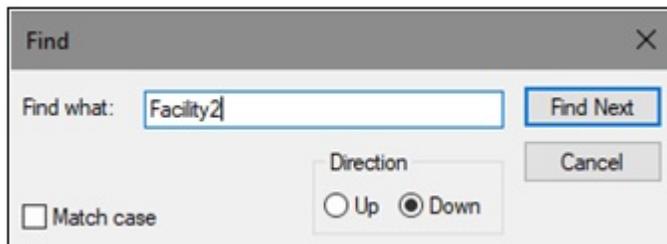
- Verify that the ODS name is unique and no other documents have the same name.
- Check the controller log for the specific reason in the folder where Omni-Gen is installed. The controller log is located in the following directory path:

`\OmniGen\OmniGenData\logs\controller\controller.log`

Search under the ODS name from where the error message first appeared.



For example, *Facility2*, as shown in the following image.

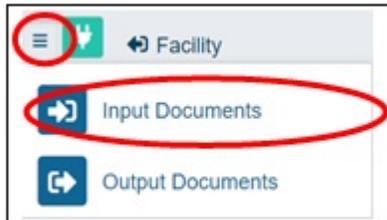


Select a new name for the ODS.

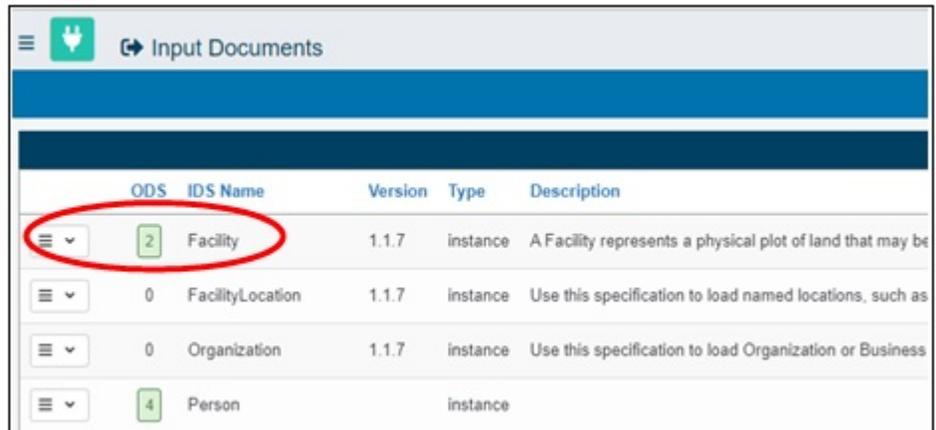
## Viewing an Output Document Specification

To view an Output Document Specification (ODS):

1. Click *Input Documents* from the menu, as shown in the following image.



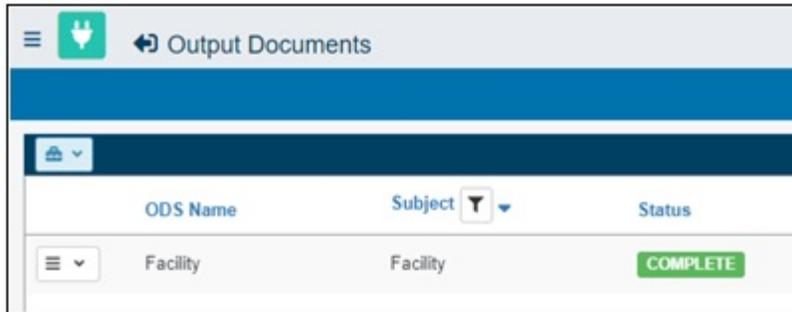
You will see that the ODS count next to the IDS name has increased, as shown in the following image.



	ODS	IDS Name	Version	Type	Description
		Facility	1.1.7	instance	A Facility represents a physical plot of land that may be
	0	FacilityLocation	1.1.7	instance	Use this specification to load named locations, such as
	0	Organization	1.1.7	instance	Use this specification to load Organization or Business
		Person		instance	

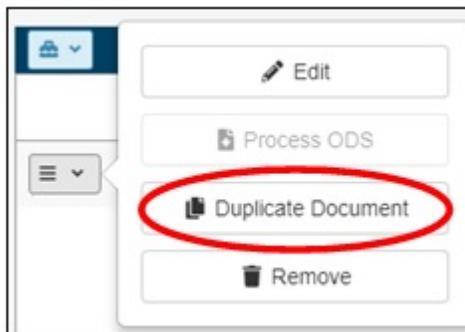
2. Click the number to the left of the IDS Name (for example, 2).

A list of all Output Document Specifications created that were associated from that IDS will be displayed, as shown in the following image.



If the ODS was not saved as *Complete*, then the status will be *Draft* or *Deprecated*. Note the following:

- The status can be modified at any time.
  - Only a completed ODS can be deployed to the Omni-Gen repository.
3. A duplicate copy of the ODS document can be created by selecting *Duplicate Document* from the menu, as shown in the following image.



This can be used to quickly create a new ODS document and can then be modified as required. Remember to provide the duplicate ODS with a unique name.

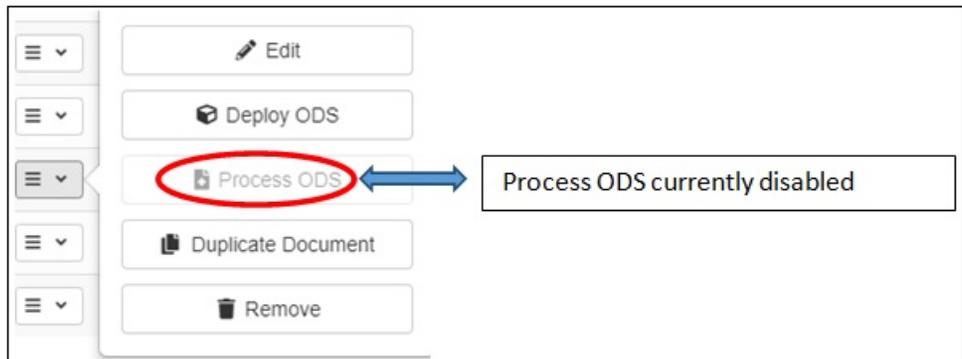
## Deploying an Output Document Specification

To deploy an Output Document Specification (ODS):

1. In the Output Documents screen, select the drop-down menu icon to the left of the ODS that you would like to deploy.

The *Process ODS* option will only be enabled if:

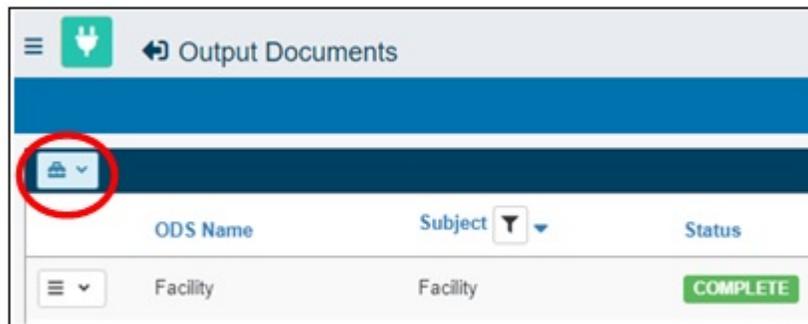
- The ODS is deployed.
- The ODS is marked as *Complete*.
- The Omni Console server is running.



The ODS needs to be deployed.

If any modifications were made, the ODS will need to be updated and the Deployment Bundle will need to be redeployed.

2. From the Output Documents screen, click the Toolbox icon, as shown in the following image.



The following options are available



- Export.** Exports ODS documents to a file.
  - Import.** Imports ODS documents from a file export, from a prior date or external system.
  - Deploy All.** Deploys all ODS documents that are marked as *Complete*.
3. Click *Deploy All*.
  4. Verify that the deployment is complete (may take between 30 to 60 seconds), as shown in the following image.

Deployment Progress			
Operation	Status	Start Time	Elapsed Time
Start deployment	Complete	2018-11-01 18:28:58.269	0.014
Generate ODS documents	Complete	2018-11-01 18:28:58.289	0.019
Stopping OmniServer	Complete	2018-11-01 18:28:58.318	2.939
Update ODS documents folder	Complete	2018-11-01 18:29:01.267	0.081
Generate ODS sources	Complete	2018-11-01 18:29:01.355	0.487
Compile ODS sources	Complete	2018-11-01 18:29:01.850	1.289
Weave ODS classes	Complete	2018-11-01 18:29:03.159	1.306
Drop tables	Complete	2018-11-01 18:29:04.655	0.042
Starting OmniServer	Complete	2018-11-01 18:29:04.717	14.47
Deployment complete	Complete	2018-11-01 18:29:19.195	0.009

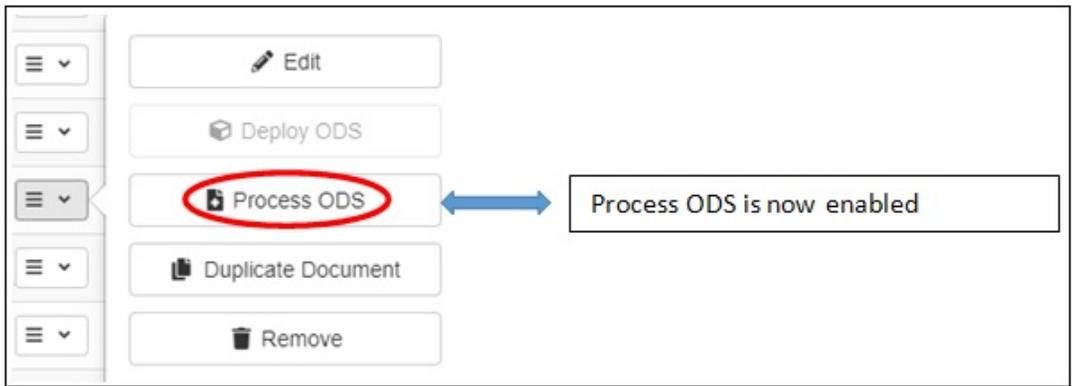
5. When the deployment is complete, click *Close*.

## Deploying an Output Document Specification

The deployed verification and date will be displayed, as shown in the following image.

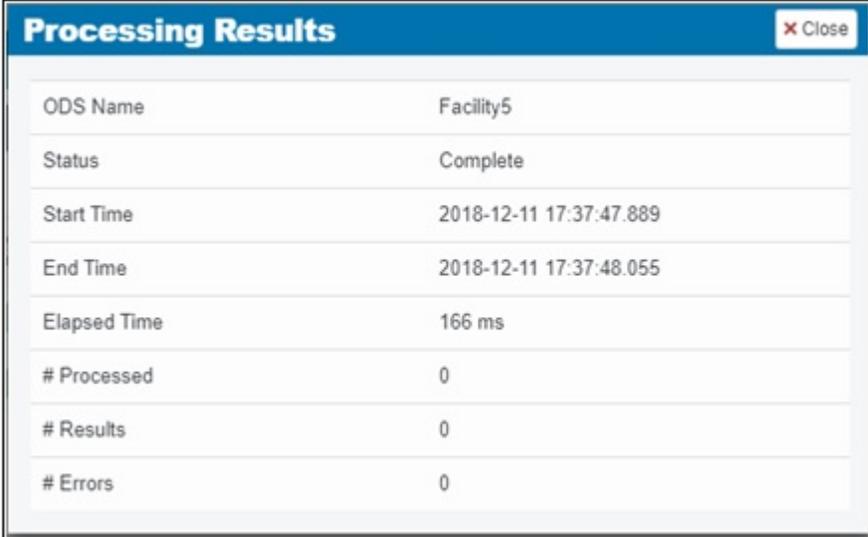
	ODS Name	Subject	Status	Deployed?	Deployed Date	Modified Date
☰	SourceCodeSet3	SourceCodeSet	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:06:23.544
☰	SourceCodeSet	SourceCodeSet	COMPLETE	Yes	2018-12-03 18:39:02.664	2018-11-20 20:06:02.280
☰	SourceCodeMetadata	SourceCodeMetadata	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:05:26.744
☰	SourceCodeMetadata2	SourceCodeMetadata	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:05:44.640
☰	SourceCodeMap	SourceCodeMap	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 19:59:54.113
☰	SourceCodeMap2	SourceCodeMap	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:01:17.289
☰	SourceCodeMap4	SourceCodeMap	DRAFT			2018-12-17 16:41:26.875
☰	PersonMaster7	PersonMaster	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:07:17.777
☰	PersonMaster	PersonMaster	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:00:29.509
☰	Person	Person	DRAFT			2018-11-20 20:09:26.543
☰	Organization5	Organization	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:05:05.648
☰	Organization	Organization	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:04:44.132
☰	FacilityLocation1	FacilityLocation	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:04:21.979
☰	FacilityLocation	FacilityLocation	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:04:04.236
☰	Facility5	Facility	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-12-11 17:20:07.114
☰	Facility	Facility	DEPRECATED			2018-11-20 20:09:03.186

- Now that the ODS has been updated and successfully deployed, click the drop-down menu icon next to the ODS document name that you would like to process in the Output Documents screen, as shown in the following image.



7. Click *Process ODS*.

The Processing Results dialog box opens, as shown in the following image.

A screenshot of a 'Processing Results' dialog box. The dialog has a blue title bar with the text 'Processing Results' and a 'Close' button with a red 'X' icon. Below the title bar is a table with two columns: the left column contains labels for various metrics, and the right column contains their corresponding values.

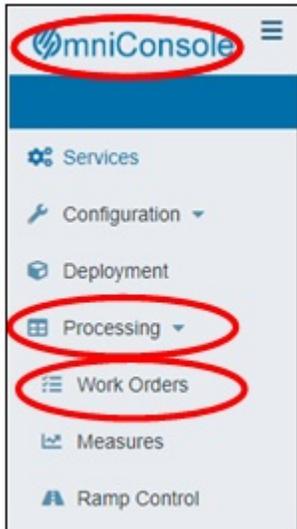
Processing Results	
ODS Name	Facility5
Status	Complete
Start Time	2018-12-11 17:37:47.889
End Time	2018-12-11 17:37:48.055
Elapsed Time	166 ms
# Processed	0
# Results	0
# Errors	0

8. Click *Close*.

## Viewing the Work Order

To view the work order:

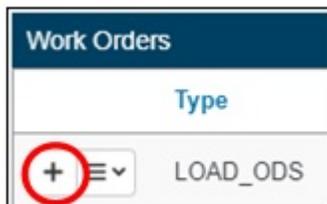
1. In the Omni Console, expand *Processing* and then select *Work Orders*, as shown in the following image.



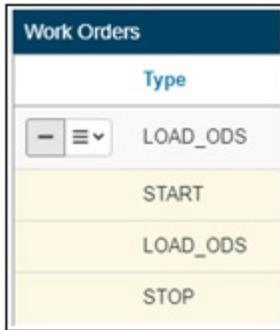
The Work Orders page opens, which lists the ODS work order that was processed, as shown in the following image.



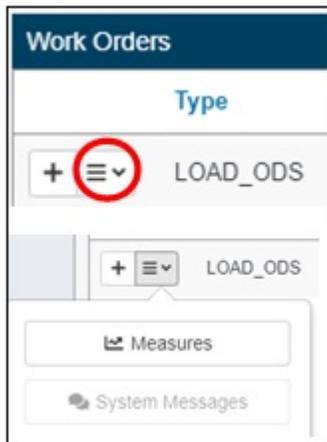
2. To view details of the work order, click the plus sign icon (+) to the left of the work order, as shown in the following image.



The view is expanded with rows showing additional work order details, as shown in the following image.



3. Click the down arrow next to the menu for additional work order options, as shown in the following image.



4. Click *Measures* to display additional information on the ODS, as shown in the following image.

The screenshot shows a table titled "Measures" with a single row of data. The table has columns for Component, Service, Operation, Subject, Status, Start Time, End Time, Elapsed, Processed, Results, Errors, Type, and Transaction.

Component	Service	Operation	Subject	Status	Start Time	End Time	Elapsed	Processed	Results	Errors	Type	Transaction
OMNI_SERVER	LoadODS	ODS	SourceCodeSet	Complete	2018-12-03 19:03:30.144	2018-12-03 19:03:30.193	0.049	0	0	0	TIMED	a1b6a7e3-9df-4dc1-8e5e-a8c7be3e6864

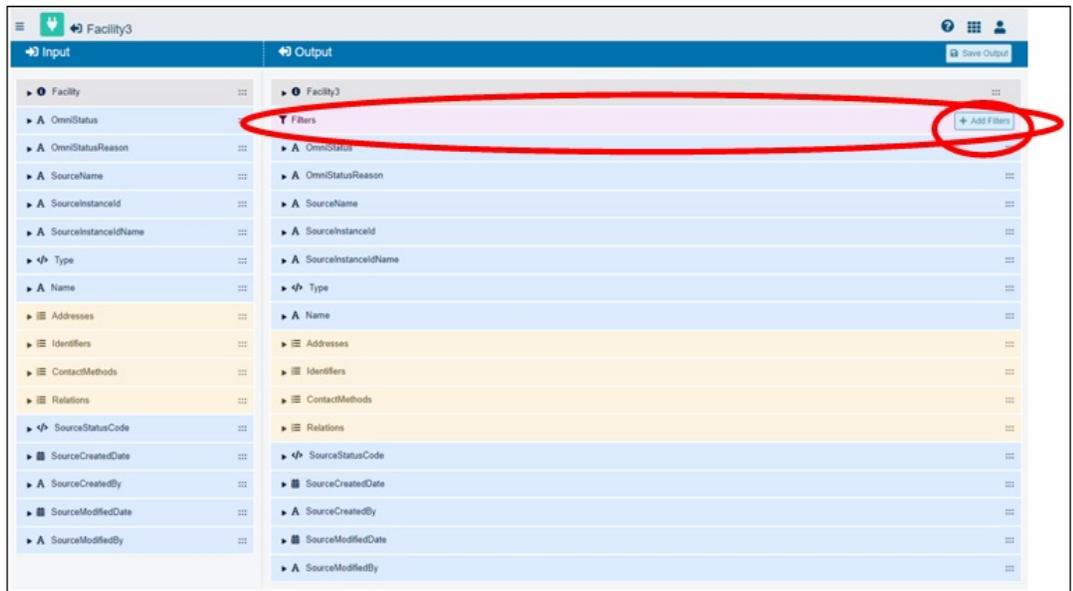
If the following error message is displayed, ensure that the Omni Console is started.



## Creating Filters

Filters are used to define the base set of data for the view. Filtering will allow a subset of source data to be defined. Multiple filters can be defined and applied.

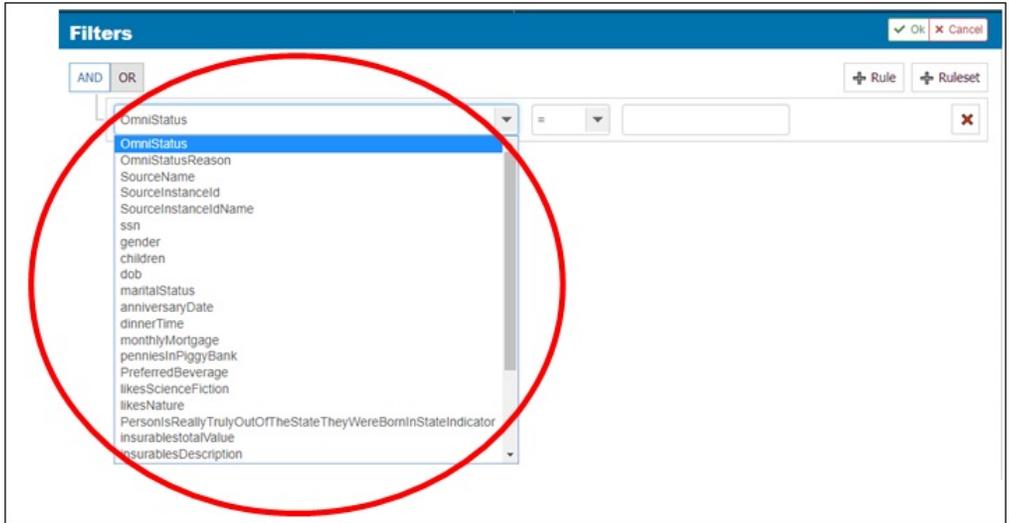
1. From the Input Documents screen, select the IDS that requires filters and then click *Add Filters*, as shown in the following image.



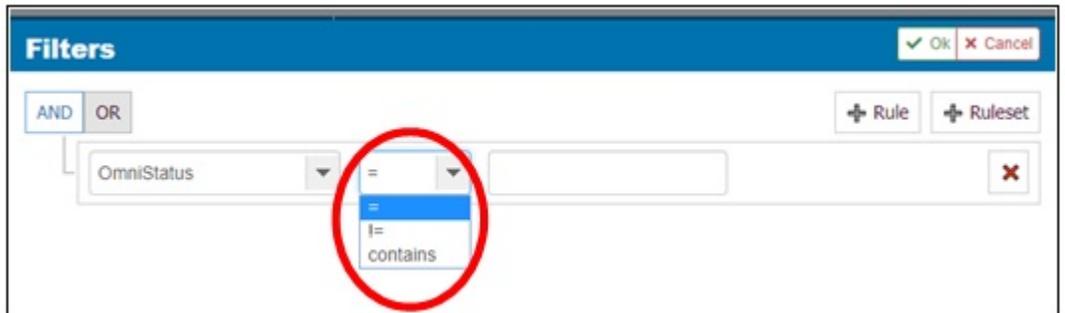
2. Select the AND or OR operation, and then click +Rule, as shown in the following image.



- Once selected, expand the first drop-down list, which is pre-populated with the General output elements (Blue  General Elements) available to filter on.



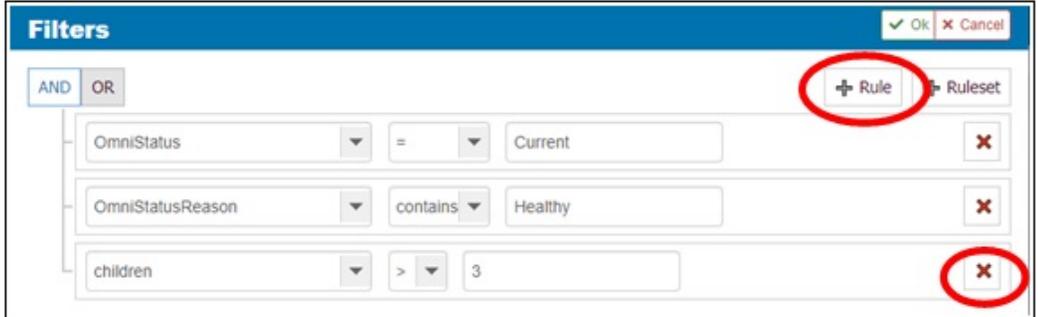
- Expand the next drop-down list, located to the right, for additional filter options, as shown in the following image.



- In the next field, located to the right, you can enter your specific filter criteria, as shown in the following image.



6. To add additional filters, click *+Rule*, as shown in the following image.

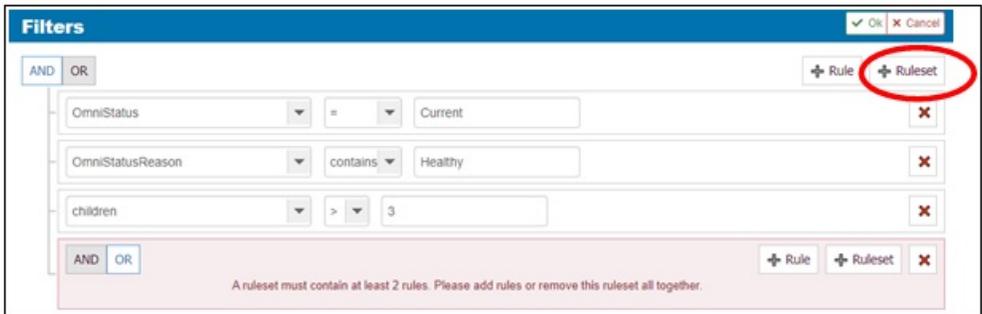


7. To remove a filter, click the red X icon.

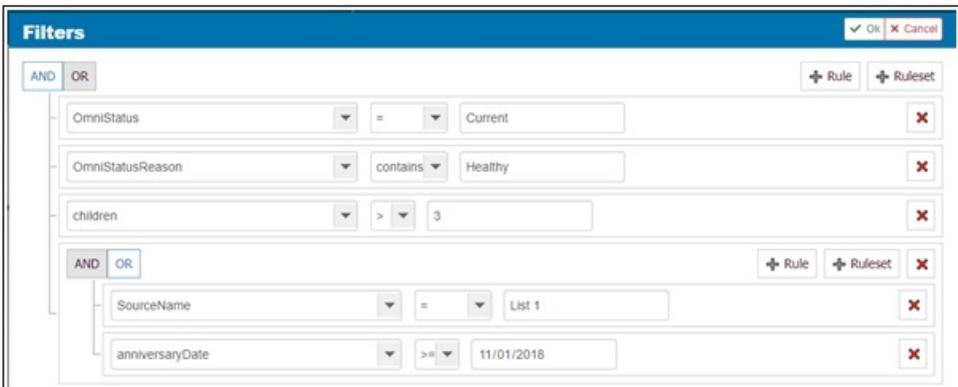
### Adding a Rule Set (Nested Rule)

To add a rule set (nested rule):

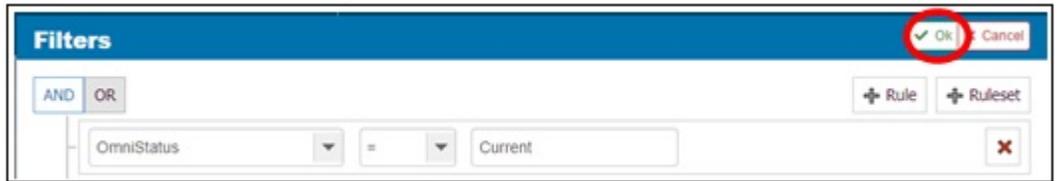
1. Click *+Ruleset* in the Filters pane, as shown in the following image.



2. Multiple rules and rule sets can be added, as shown in the following image.



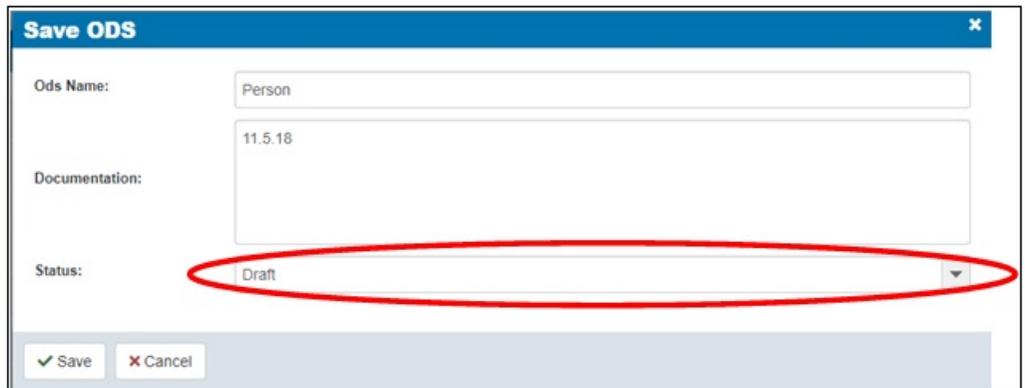
3. When your filters are complete, click *OK*, as shown in the following image.



4. Click *Save Output*, as shown in the following image.

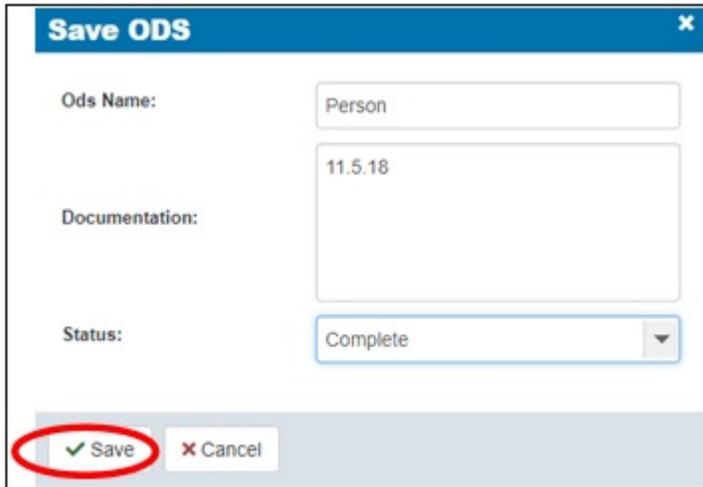


The Save ODS dialog box opens, as shown in the following image.

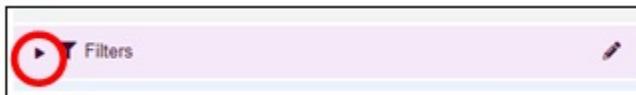


5. Change the status from *Draft* to *Complete* in the drop-down list.

6. Click Save, as shown in the following image.



7. After the filters have been saved, the filters can be viewed by clicking the arrow next to Filters, as shown in the following image.



The filters view is now expanded, as shown in the following image.

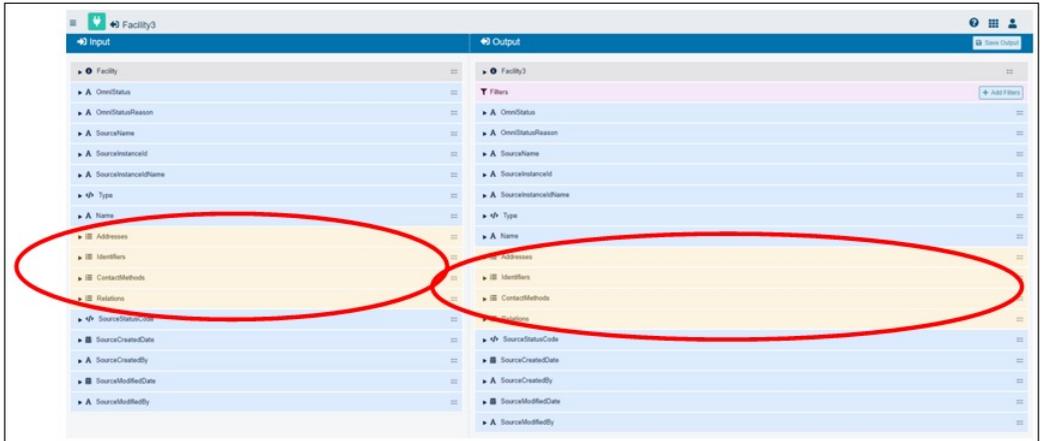


8. If additional editing is required, click the pencil (edit) icon, make your edits to the filters, click OK, and then click *Save Output*.
9. To deploy the newly created ODS with filters, follow the ODS deployment steps as described in [Deploying an Output Document Specification](#) on page 41.

## Configuring Promotions

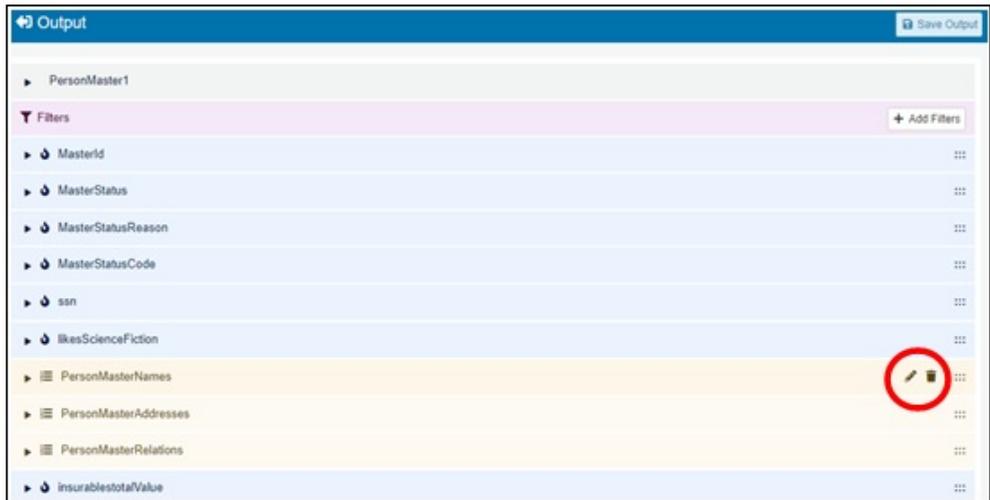
Promotions allow a user to promote individual records from a sub-collection to the parent node. Promoted data is presented as part of the root subject.

**Note:** Promotions are only available within an Input Document Specification (IDS) that has a list element (highlighted in yellow) when viewing the IDS.



To configure promotions:

1. Click the pencil (edit) icon, as shown in the following image.



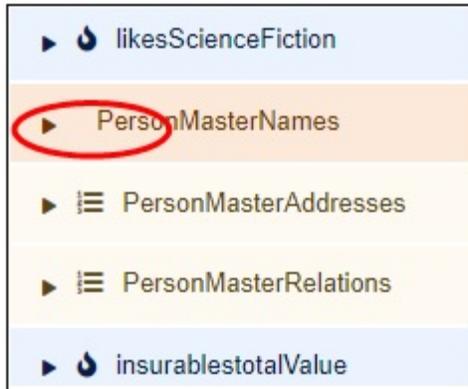
2. Click *Promotions*, as shown in the following image.



3. Specify a name, add any optional documentation (description), and then click *Save*, as shown in the following image.



**Note:** When an element is promoted, the *list* icon is removed, identifying that it has now been promoted, as shown in the following image.

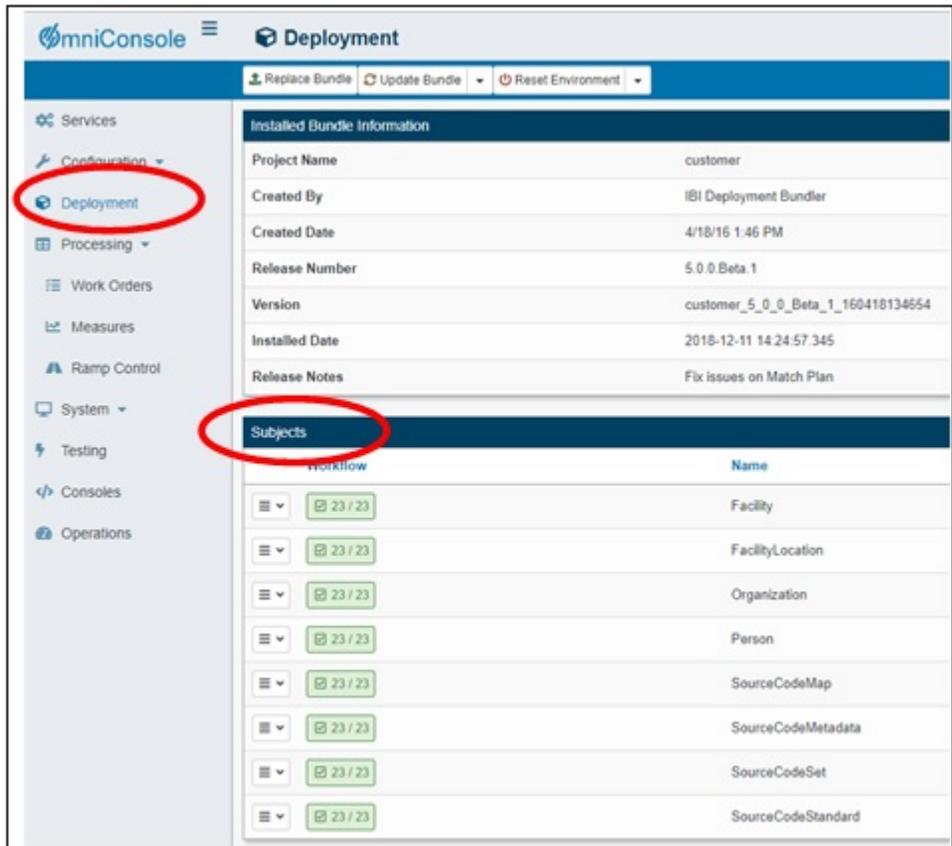


## Loading Sample or Test Data

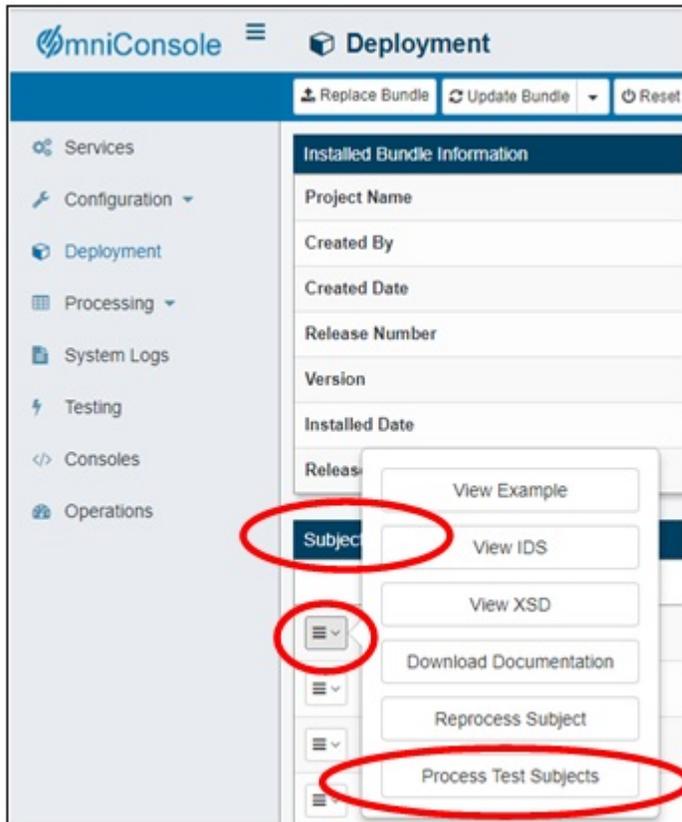
To load sample or test data:

1. Ensure that the Omni Console is started.

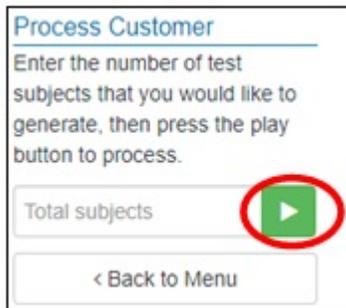
2. Click *Deployments* in the left pane of the Omni Console and then navigate to the Subjects area, as shown in the following image.



3. Click the drop-down list to the left of a subject, and then select *Process Test Subjects* from the context menu, as shown in the following image.



4. Specify the desired number of test subjects (for example, 20).
5. Select the green Go arrow, as shown in the following image.



A message indicating that the specified test subjects have been successfully submitted is displayed, as shown in the following image.



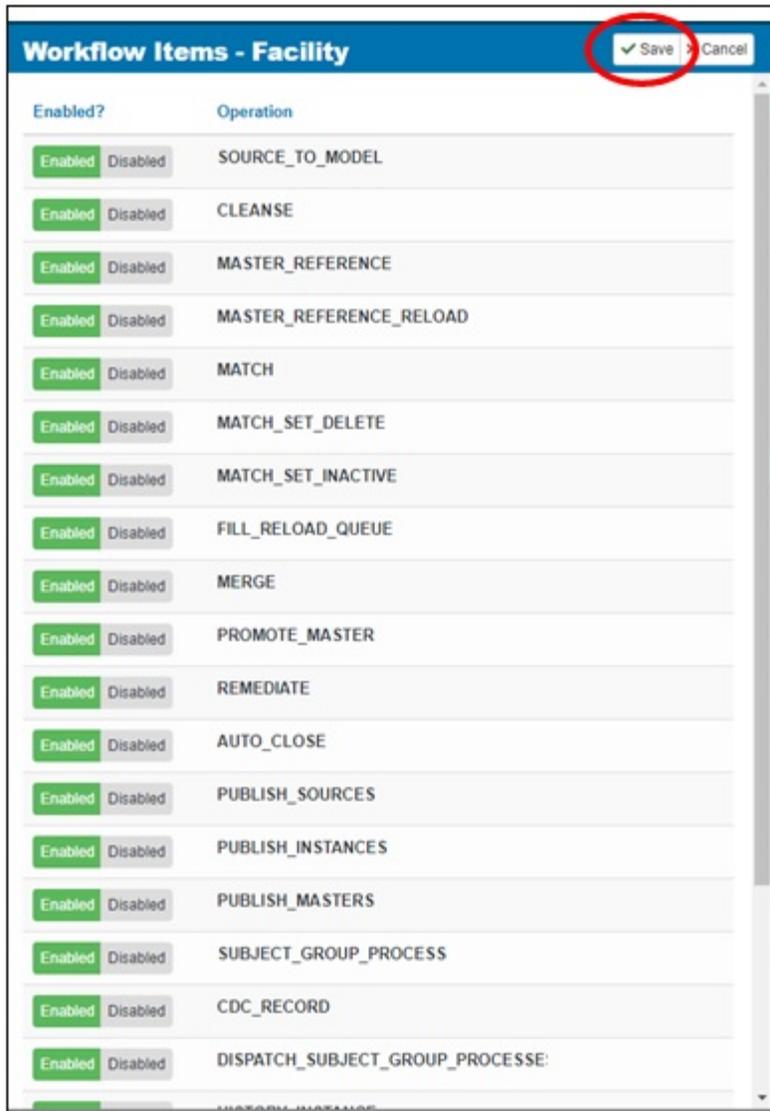
6. To close this message, click the X icon located to the right of the message banner.

**Notes:**

- When *Process Test Subjects* is selected from the context menu, the data is loaded into an *og\_subjectname* table (for example, *og\_facility*).
    - This table is predetermined based on the Project Name and Subject Workflow that is opened when *Process Test Subjects* is selected.
    - The actual data in these tables are unrelated to the test subjects that were processed.
  - The *os\_consumption\_repository* table contains a list of all deployed Output Document Specifications. These tables are updated when *Deploy ODS* is selected.
  - This data can then be viewed in the *vw\_odiname* table (for example, *vw\_facility*).
7. To view the workflow, select the corresponding workflow for the required subject name, as shown in the following image.



The Workflow Items dialog box opens for the selected workflow (for example, Facility), as shown in the following image.



8. If required, you can disable any of the operations by clicking *Disabled* next to the specific operation.
9. Click Save when you are finished.

## Viewing Updated Tables in the Database

To view updated tables in the database:

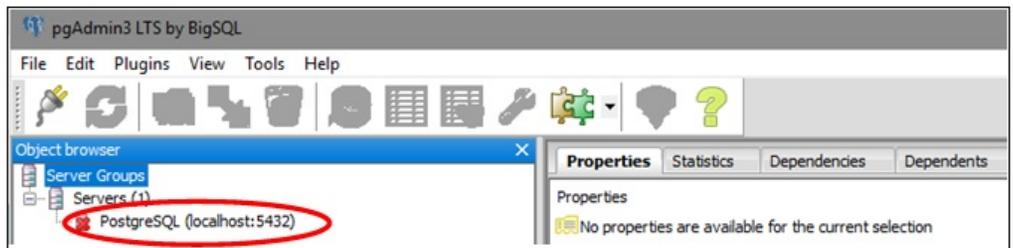
1. Open your Relational Database Management System (RDBMS), for example, SQL Server, MySQL, PostgreSQL, and so on.

**Note:** In this example, PostgreSQL is being used with the PG Admin utility.

2. Open the PG Admin utility by double-clicking the following icon on your desktop.

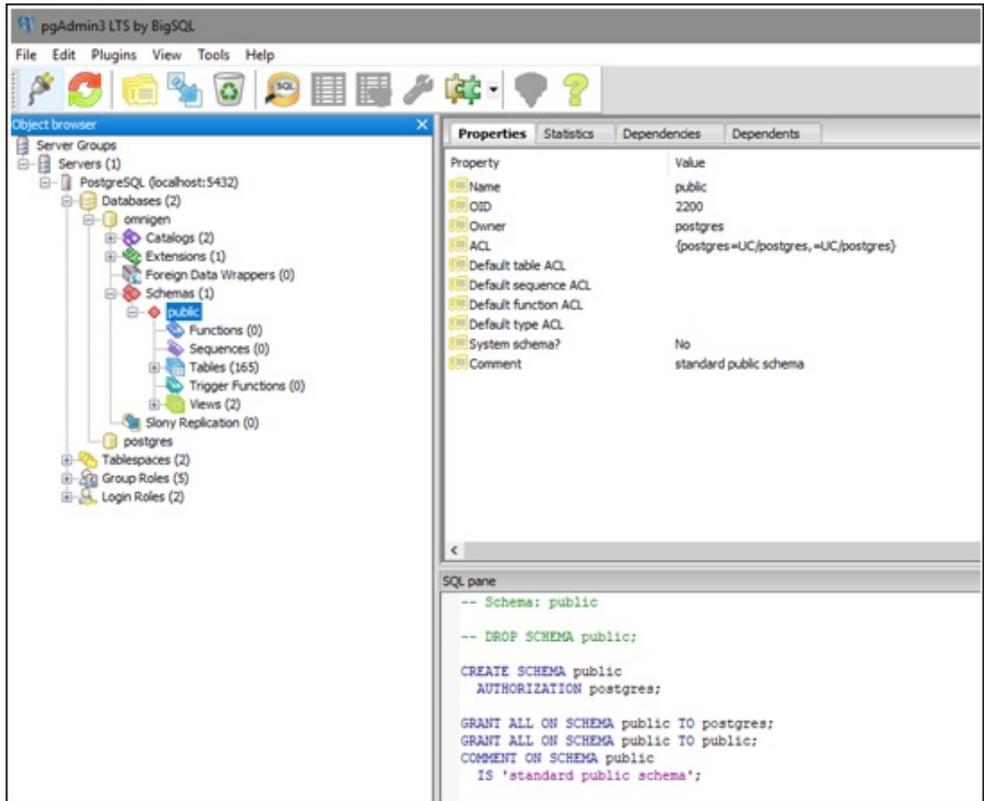


PG Admin opens, as shown in the following image.



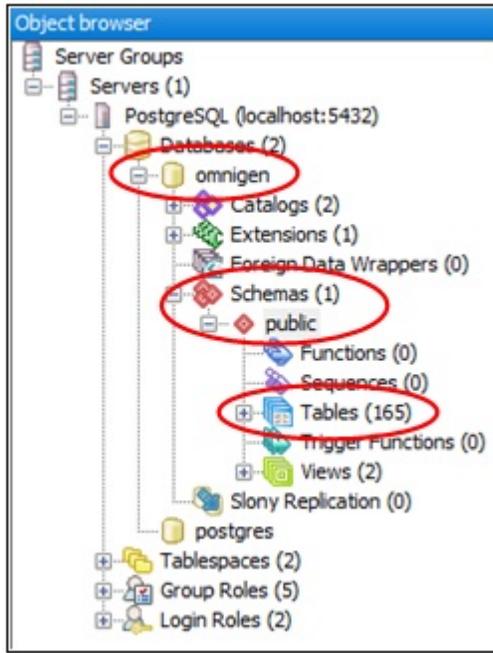
3. Double-click *PostgreSQL (localhost:port)*.

The following screen is displayed.

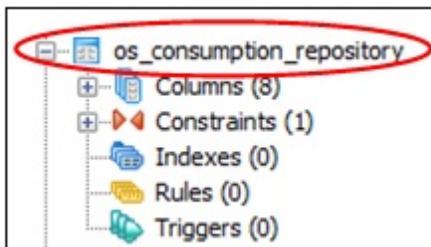


4. Perform the following steps to view the current data in the database:
  - a. Expand *omnigen*.

- b. Expand *Schemas*, *public*, and then *Tables*, as shown in the following image.

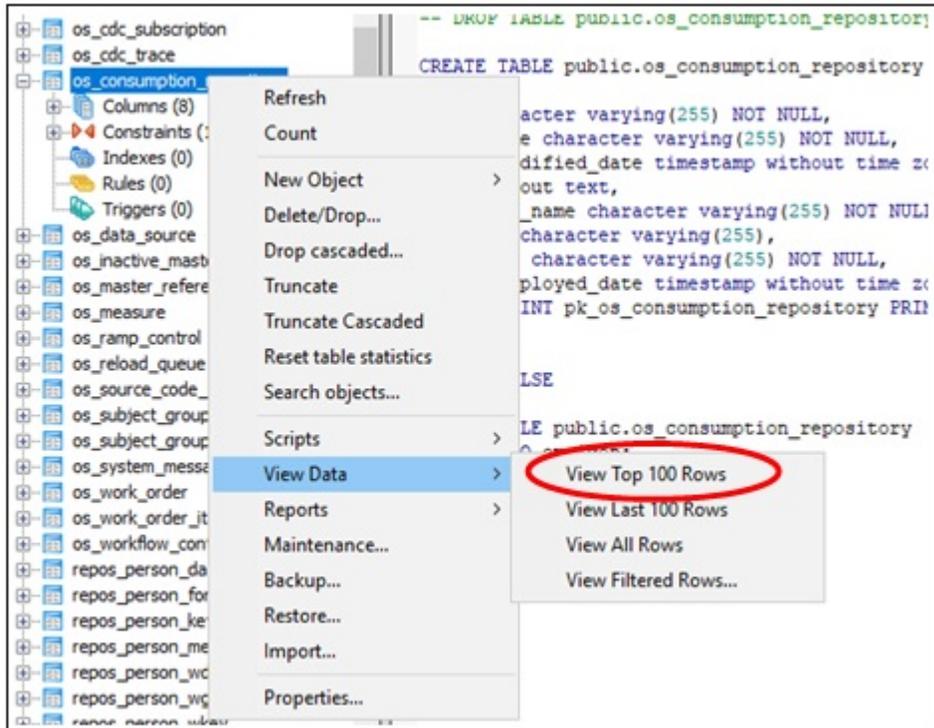


5. Scroll down to *os\_consumption\_repository* and expand this node, as shown in the following image.



6. Right-click *os\_consumption\_repository*, select *View Data*, and then select the required View option from the context menu.

In the following example, *View Top 100 Rows* is being selected from the context menu.



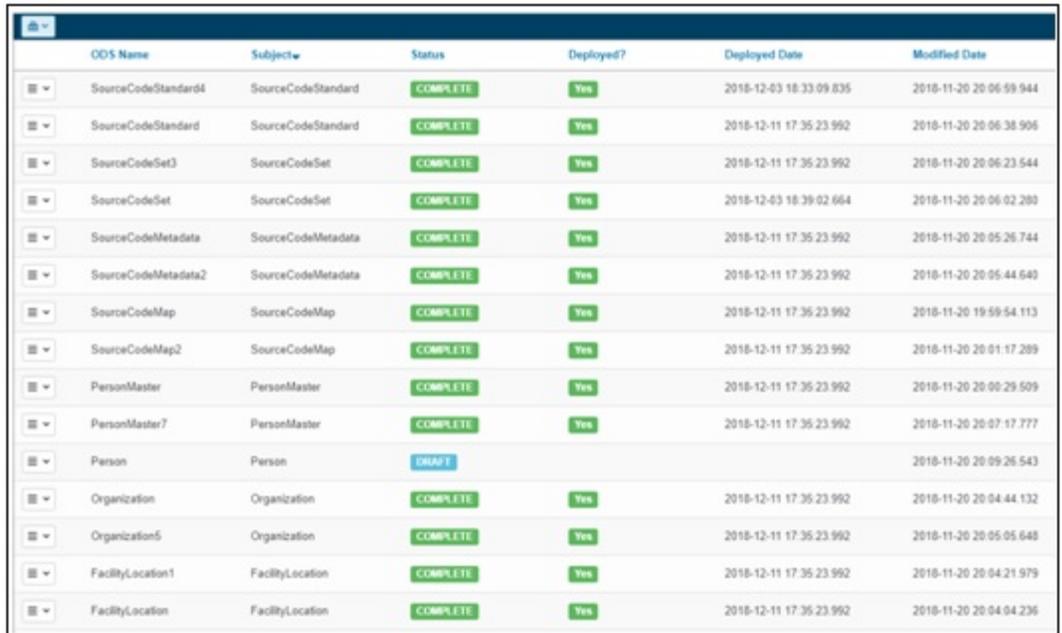
The top 100 rows are returned from the database, as shown in the following image.

The screenshot shows a database query result window displaying the top 100 rows of the 'os\_consumption' table. The table has the following columns: id, os\_name (character varying(255)), last\_modified\_date (timestamp without time zone), os\_layout (text), project\_name (character varying(255)), status, subject (character varying(255)), and last\_deployed\_date (timestamp without time zone). The first 15 rows are visible, showing various data points for different objects and their metadata.

id	os_name	last_modified_date	os_layout	project_name	status	subject	last_deployed_date
1	00000000-0000-0000-0000-000000000000	2018-11-20 20:09:29.509		customer	COMPLETE	PersonMaster	2018-12-11 17:19:23.992
2	2000430-4231-460-8435-c50101a77ec	2018-11-20 20:04:21.979		customer	COMPLETE	FacilityLocation	2018-12-11 17:19:23.992
3	2a712041-e92c-4649-8419-42b17d72267	2018-11-20 20:07:17.797		customer	COMPLETE	PersonMaster	2018-12-11 17:19:23.992
4	3a3224b9-9151-41ee-8f32-aa057614641	2018-10-03 18:39:51.700		customer	COMPLETE	Facility	2018-12-08 20:30:32.406
5	5b844f05-f9e3-46e0-844c-babeb910ea7	2018-11-20 20:09:03.186		customer	DEPRECATED	Facility	
6	0be0a4fb-c271-4a23-8a38-8420c4e9380	2018-11-20 20:04:02.28	{ "items": [{"objType": "SourceName", "type": "string", "name": "SourceName"}], "customer"	customer	COMPLETE	SourceCodeSet	2018-12-03 18:39:02.444
7	938327e-647f-4492-8b03-bd841499447	2018-11-20 20:04:44.192		customer	COMPLETE	Organization	2018-12-11 17:19:23.992
8	994418b-1362-4e80-b252-ee0238a648f	2018-11-20 20:04:29.844	{ "items": [{"objType": "SourceName", "type": "string", "name": "SourceName"}], "customer"	customer	COMPLETE	SourceCodeSet	2018-12-11 17:19:23.992
9	9b67081-400b-4251-aa39-c0d8b38104	2018-12-11 17:20:07.114		customer	COMPLETE	Facility	2018-12-11 17:19:23.992
10	a1252bc1-3c25-4945-9231-1b445696d6d	2018-11-20 20:09:26.543		customer	DRAFT	Person	
11	a23e7023-302d-445d-845d-8d106069230	2018-11-20 19:59:04.113	{ "items": [{"objType": "SourceName", "type": "string", "name": "SourceName"}], "customer"	customer	COMPLETE	SourceCodeObj	2018-12-11 17:19:23.992
12	b3c0c0d1-f10e-4ef0-903b-1f9c22680b1	2018-11-20 20:05:44.46	{ "items": [{"objType": "SourceName", "type": "string", "name": "SourceName"}], "customer"	customer	COMPLETE	SourceCodeMetadata	2018-12-11 17:19:23.992
13	b4b0129a-116f-4e47-3b0f-4c0cf929440c	2018-11-20 20:05:05.440		customer	COMPLETE	Organization	2018-12-11 17:19:23.992
14	c47cfa32-4629-4440-316f-43251a956209	2018-11-20 20:05:26.744	{ "items": [{"objType": "SourceName", "type": "string", "name": "SourceName"}], "customer"	customer	COMPLETE	SourceCodeMetadata	2018-12-11 17:19:23.992
15	c78493f0-4719-491d-9457-ae79e920282	2018-11-20 20:04:59.944	{ "items": [{"objType": "BaseCode", "type": "code", "name": "BaseCode"}], "objType": "customer"	customer	COMPLETE	SourceCodeBaseCode	2018-12-03 18:39:02.444

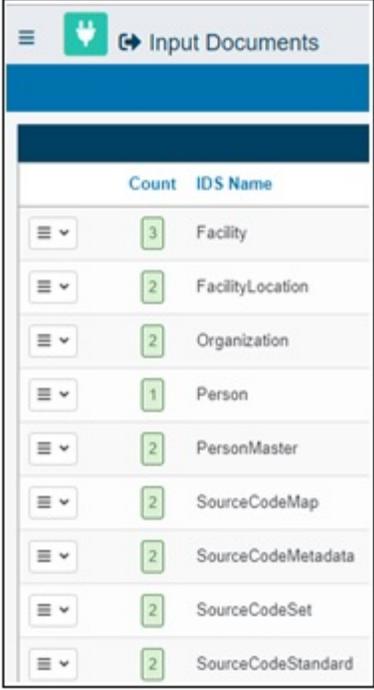
## Viewing Updated Tables in the Database

The PG Admin view of the *os\_consumption\_repository* will match the ODS documents list in the Consumption View console (Output Documents view), as shown in the following image.



	ODS Name	Subject	Status	Deployed?	Deployed Date	Modified Date
▢ ▾	SourceCodeStandard4	SourceCodeStandard	COMPLETE	Yes	2018-12-03 18:33:09.835	2018-11-20 20:06:59.944
▢ ▾	SourceCodeStandard	SourceCodeStandard	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:06:38.906
▢ ▾	SourceCodeSet3	SourceCodeSet	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:06:23.544
▢ ▾	SourceCodeSet	SourceCodeSet	COMPLETE	Yes	2018-12-03 18:39:02.664	2018-11-20 20:06:02.280
▢ ▾	SourceCodeMetadata	SourceCodeMetadata	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:05:26.744
▢ ▾	SourceCodeMetadata2	SourceCodeMetadata	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:05:44.640
▢ ▾	SourceCodeMap	SourceCodeMap	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 19:59:54.113
▢ ▾	SourceCodeMap2	SourceCodeMap	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:01:17.289
▢ ▾	PersonMaster	PersonMaster	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:00:29.509
▢ ▾	PersonMaster7	PersonMaster	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:07:17.777
▢ ▾	Person	Person	DRAFT			2018-11-20 20:09:26.543
▢ ▾	Organization	Organization	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:04:44.132
▢ ▾	Organization5	Organization	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:05:05.640
▢ ▾	FacilityLocation1	FacilityLocation	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:04:21.979
▢ ▾	FacilityLocation	FacilityLocation	COMPLETE	Yes	2018-12-11 17:35:23.992	2018-11-20 20:04:04.236

In addition, the PG Admin view will match the count of ODS documents as listed in the Input Documents view, as shown in the following image.



	Count	IDS Name
☰	3	Facility
☰	2	FacilityLocation
☰	2	Organization
☰	1	Person
☰	2	PersonMaster
☰	2	SourceCodeMap
☰	2	SourceCodeMetadata
☰	2	SourceCodeSet
☰	2	SourceCodeStandard

### Viewing Updated Output Document Specifications in the Database

Perform the following steps once your Relational Database Management System (RDBMS) is open (as described in [Viewing Updated Tables in the Database](#) on page 60, steps 1 to 4).

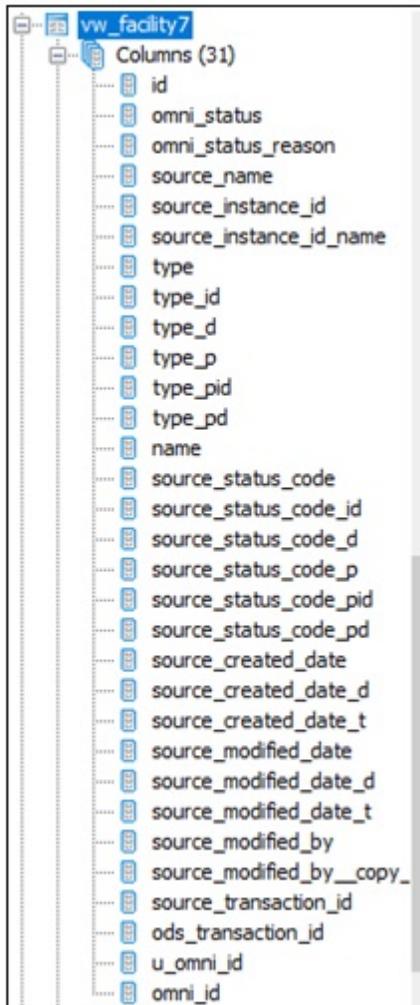
1. Scroll down to the required Output Document Specification (ODS), which is listed as *vw\_table*.

In the following example, *vw\_facility7* is being selected.



+	source_code_standard_s
+	subject_group
+	<b>vw_facility7</b>
+	vw_facility7_addresses
+	vw_facility7_contact_methods
+	vw_facility7_relations
+	wfCases

2. Expand this node to view the columns in the updated ODS, as shown in the following image.





## Feedback

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# iWay

## Omni-Gen™ Consumption View User's Guide

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