Information Builders

iWay

Omni Console User's Guide

Version 3.1

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Preface

This documentation provides usage information for the Omni Console. It is intended for developers and administrators of Master Data Management (MDM) and Data Quality (DQ) solutions who are using Omni-Gen™ and Omni-HealthData™.

How This Manual Is Organized

This manual includes the following chapters:

	Chapter/Appendix	Contents
1	Introducing the Omni Console	Provides an introduction to the Omni Console and describes key features and functionality.
2	Navigating and Using the Omni Console	Describes how to navigate and use the features and functionality that are available in the Omni Console.

Documentation Conventions

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

Convention	Description

`THIS TYPEFACE`
or
`this typeface`
	Denotes syntax that you must type exactly as shown.

this typeface	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.
underscore	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.
|	Separates mutually exclusive choices in syntax. Type one of them, not the symbol.

Convention	Description
...	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.

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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 table lists the environment information that our consultants require.

Platform	
Operating System	
OS Version	
JVM Vendor	
JVM Version	

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

Request/Question	Error/Problem Details or Information
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 messages.	

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 *not* occur?	

The following is a list of error and 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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Chapter 1

Introducing the Omni Console

This section provides an introduction to the Omni Console and describes key features and functionality.

In this chapter:

- Overview
- Prerequisites and Installation

Overview

Available in Omni-HealthData™, Omni-Gen™ Master Data Management (MDM) Edition, and Omni-Gen™ Data Quality (DQ) Edition, the Omni Console exposes an array of monitoring and management functions, which simplifies deployment and overall operations, for example:

- Enabling web-based configuration for various services.
- Providing a centralized location for starting and stopping services.
- Enabling generation of sample data for testing purposes.
- Providing detailed monitoring of all data processes with an array of available metrics.

The Omni Console enables rapid issue isolation and resolution, which is a key to a robust data process.

Prerequisites and Installation

The Omni Console is packaged with Omni-HealthData™, Omni-Gen™ Master Data Management (MDM) Edition, and Omni-Gen™ Data Quality (DQ) Edition. For more information on prerequisites and installation, see the *Omni-HealthData™ Installer User's Guide*.

By default, the Omni Console listens on port 9500. Ensure that this port is available in your environment and is not being used by any other component.

Chapter 2

Navigating and Using the Omni Console

This section describes how to navigate and use the features and functionality that are available in the Omni Console.

In this chapter:

- Signing in to the Omni Console
- Starting and Stopping Services
- Viewing and Editing Configuration Parameters
- Managing Deployment Bundles
- Monitoring Data Processing
- Viewing Logs
- Testing Your Deployment Bundle
- Accessing Data Quality and Master Data Management Consoles

Signing in to the Omni Console

To sign in to the Omni Console, type the following URL in a browser:

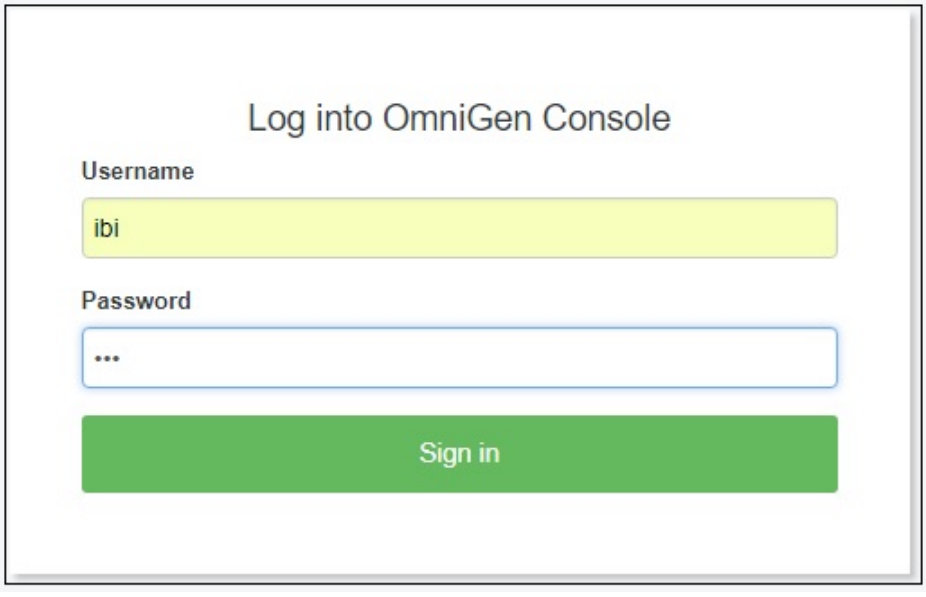
`http://yourhost.yourdomain.com:9500`

For example:

`https://tcmappsa.ibi.com:9500`

Note: You cannot use *localhost* in the URL.

The Log into Omni-Gen Console dialog box opens, as shown in the following image.



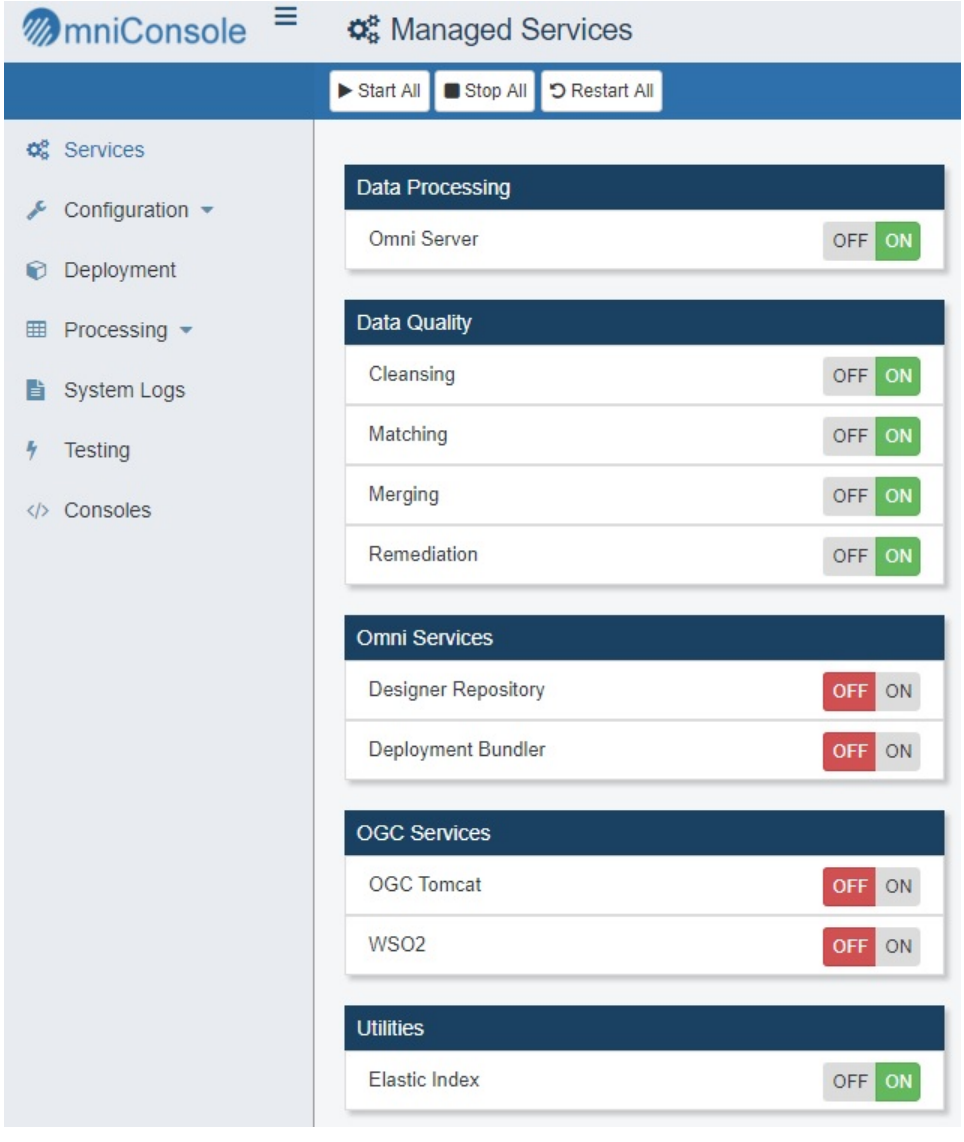
Specify a user name and password and then click *Sign in*. The default credentials are:

- **Username:** ibi
- **Password:** ibi

Starting and Stopping Services

The *Services* section enables you to control the associated processes and manage their statuses. This eliminates the need to start and stop services from the command line and provides a unified view for operations.

In the left pane of the Omni Console, click *Services*, as shown in the following image.



The following table lists and describes the available buttons on the Managed Services toolbar.

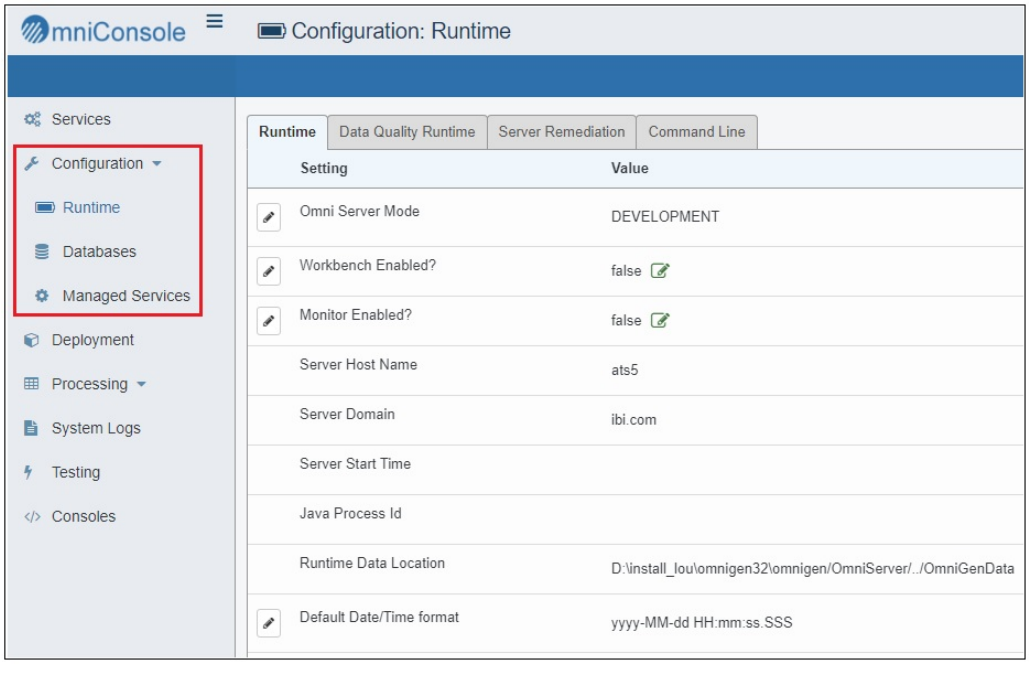
Toolbar Button	Description
Start All	Starts all services that are not currently running.

Toolbar Button	Description
Stop All	Stops all services that are currently running.
Restart All	Stops all services that are currently running, then starts all services.

Viewing and Editing Configuration Parameters

The *Configuration* section enables you to view and edit the configuration parameters for various Omni-Gen components, which includes server configuration, Data Quality and Master Data configuration, remediation services, database properties, Java properties, logging properties, and an array of other configurations that can be easily manipulated from the Omni Console. This enables a clear view into the environment and its management, as well as exposing tuning capabilities for data processing.

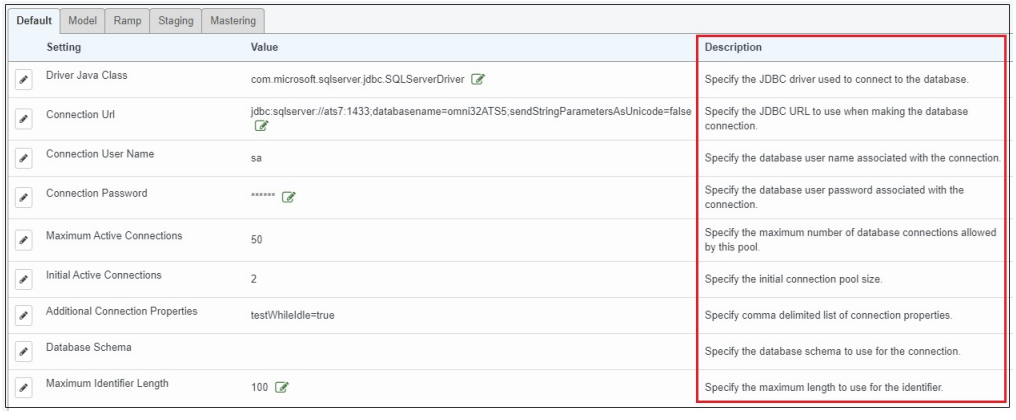
In the left pane of the Omni Console, click *Configuration*, as shown in the following image.



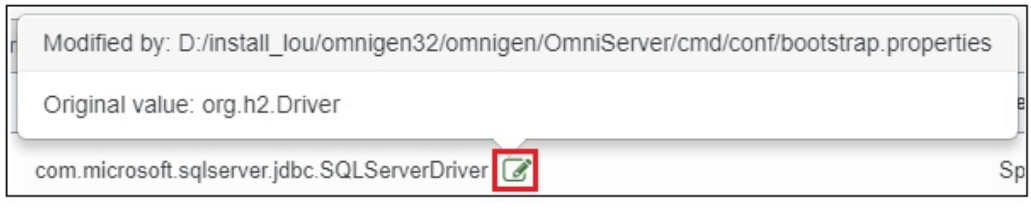
The configuration parameters are organized into the following groups, which you can select:

- **Runtime.** Enables you to configure parameters for the Omni-Gen runtime environment.
- **Databases.** Enables you to configure parameters for your specific database.
- **Managed Services.** Enables you to configure parameters for the Omni-Gen services.
- **Product Info.** Provides information about your installation.

Descriptions for each configuration parameter are listed in the Description column, as shown in the following image.



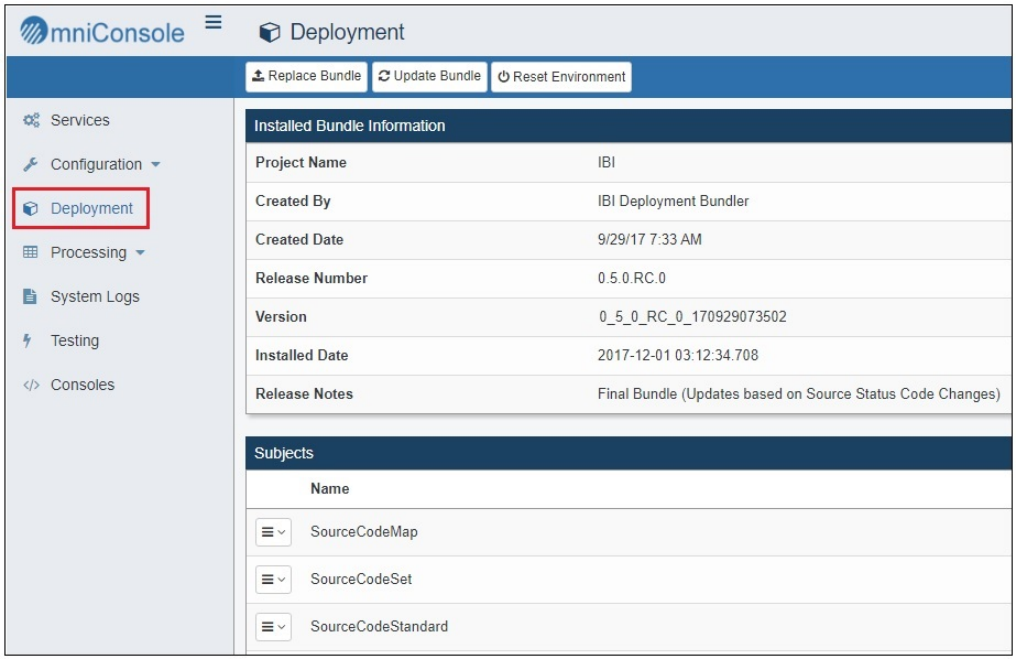
If a parameter value has been modified, a green indicator icon is shown next to the parameter. Hover or click this indicator to view the original value and the modified by value, as shown in the following image.



Managing Deployment Bundles

The *Deployment* section enables you to manage the installed deployment bundle, as well as retrieve information on the associated Subjects. You can replace the current deployment, as required, or simply update the deployment from a new bundle.

In the left pane of the Omni Console, click *Deployment*, as shown in the following image.

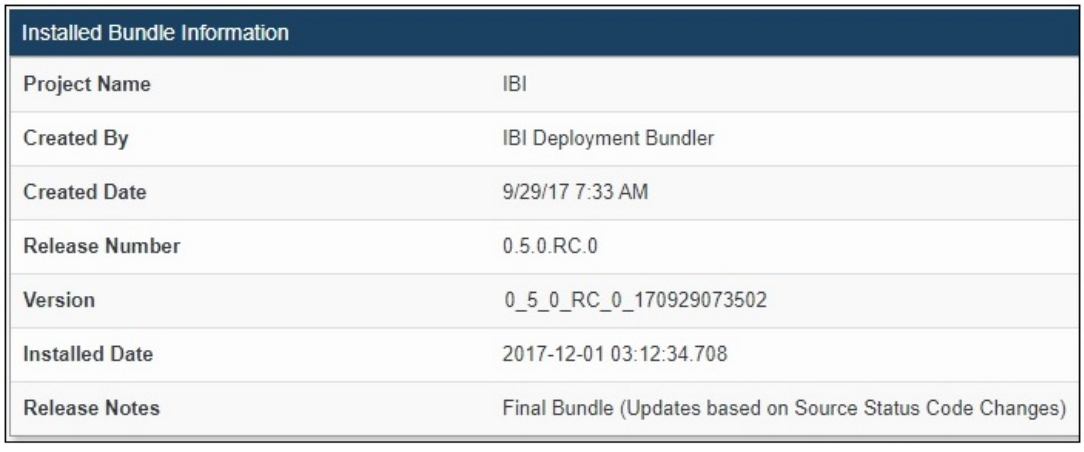


The following table lists and describes the available buttons on the Deployment toolbar.

Toolbar Button	Description
Replace Bundle	Opens a dialog box, which allows you to browse your file system and select a bundle to deploy as a replacement.
Update Bundle	Opens a dialog box, which allows you to browse your file system and select a bundle to deploy as an update.
Reset Environment	Resets the environment to its original state, when it was first deployed. **Note:** This action opens a dialog box to confirm this operation.

Viewing Information for the Installed Bundle

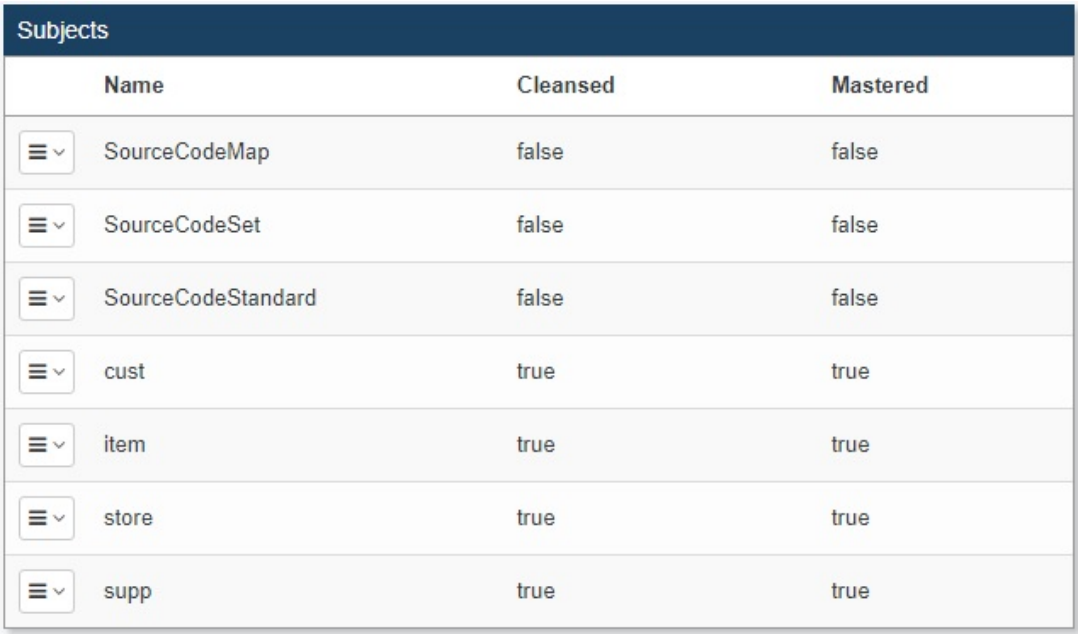
The Installed Bundle Info area in the Deployment pane provides a summary of the current bundle, as shown in the following image.



Installed Bundle Information	
Project Name	IBI
Created By	IBI Deployment Bundler
Created Date	9/29/17 7:33 AM
Release Number	0.5.0.RC.0
Version	0_5_0_RC_0_170929073502
Installed Date	2017-12-01 03:12:34.708
Release Notes	Final Bundle (Updates based on Source Status Code Changes)

Viewing Subjects

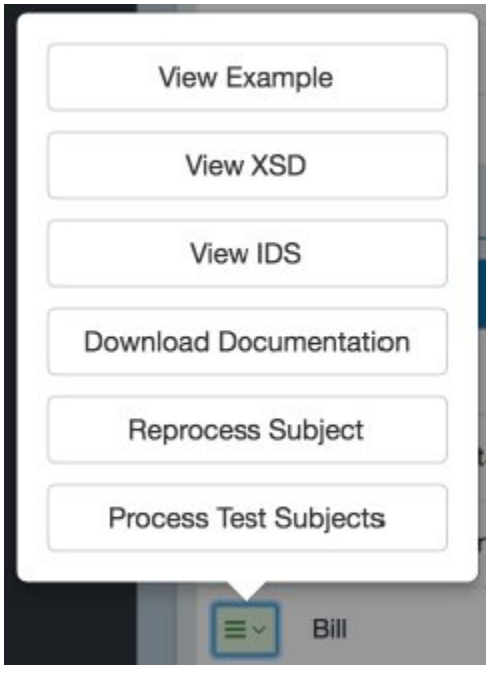
The Subjects area in the Deployment pane lists all of the Subjects that are defined within this deployment, as shown in the following image.



Subjects

	Name	Cleansed	Mastered
☰	SourceCodeMap	false	false
☰	SourceCodeSet	false	false
☰	SourceCodeStandard	false	false
☰	cust	true	true
☰	item	true	true
☰	store	true	true
☰	supp	true	true

Specific operations can be performed on a selected subject, as shown in the following image.



These operations range from simply reviewing the structure of the subject through its schema or a physical example (Omni Input Document), to the ability to run a single or multiple instances through the system for testing purposes utilizing auto generated sample data. This can be used for simple tests of the environment or performance testing.

To view this context menu, click the menu icon that corresponds to a subject in the first column of the Subjects table.

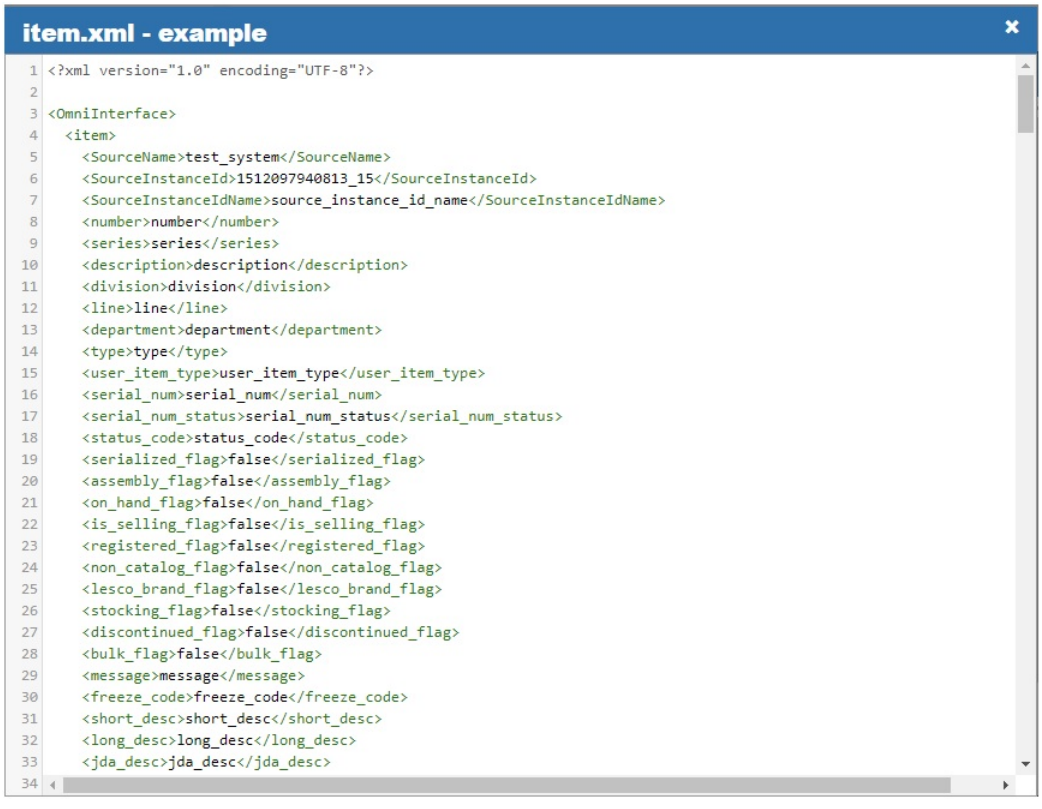
The following table lists and describes the available operations that can be performed for a selected subject.

Operation	Description
View Example	Views an example for the selected subject. For more information, see *Example Viewer* on page 23.
View XSD	Views the XML Schema Document (XSD) for the selected subject. For more information, see *XSD Viewer* on page 24.

Operation	Description
View IDS	Views the Interface Document Specification (IDS) for the selected subject. For more information, see *IDS Viewer* on page 25.
Download Documentation	Downloads the documentation for the selected subject. For more information, see *Downloading Documentation* on page 26.
Reprocess Subject	Reprocesses the selected subject. When complete, a message displays in a green banner at the top of the window indicating that the reprocessing of the item was successful.
Process Test Subjects	Displays the processing menu for the selected subject. For more information, see *Process Test Subject* on page 27.

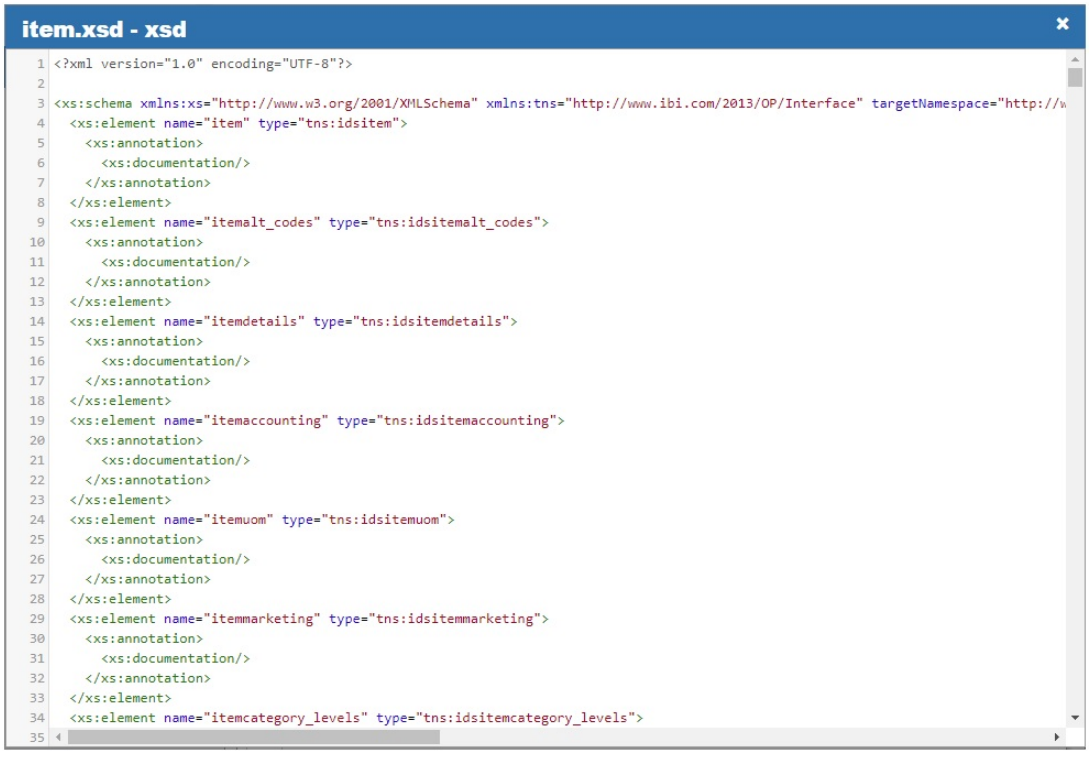
Example Viewer

Selecting the *View Example* operation for a subject opens the Example Viewer, which displays an example of the selected subject, as shown in the following image.



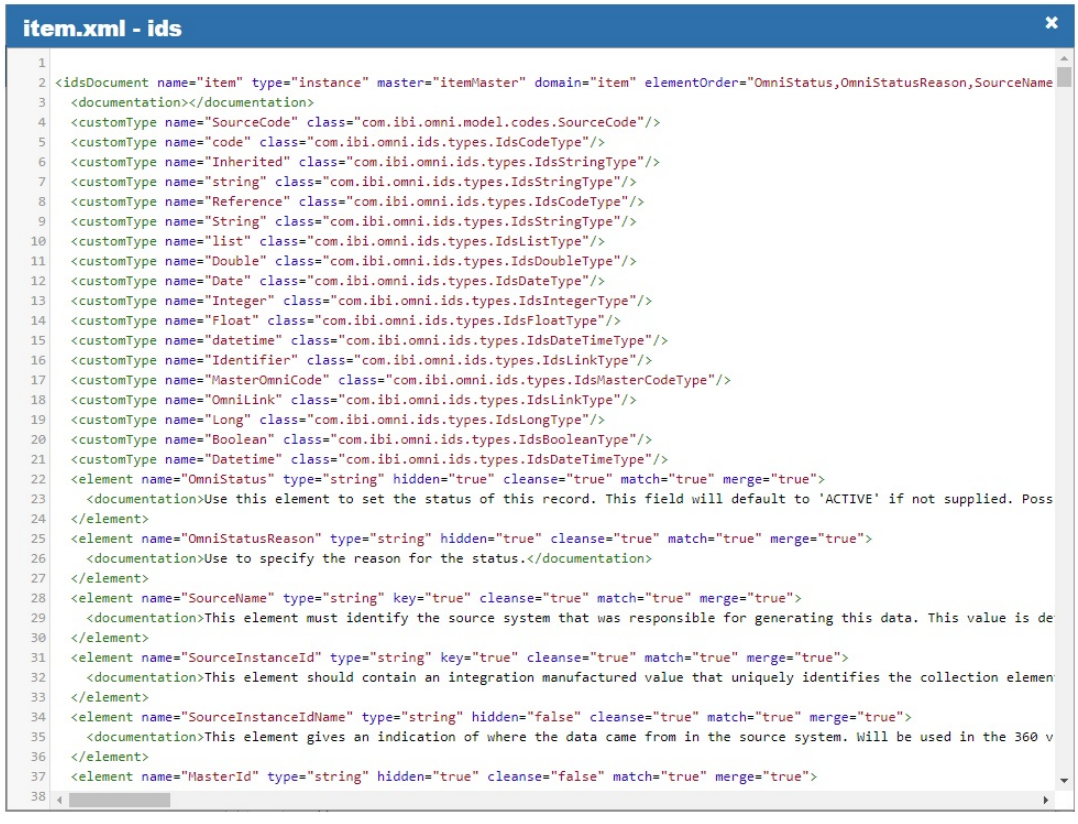
XSD Viewer

Selecting the *View XSD* operation for a subject opens the XSD Viewer, which displays the corresponding XML Schema Document (XSD) for your review, as shown in the following image.



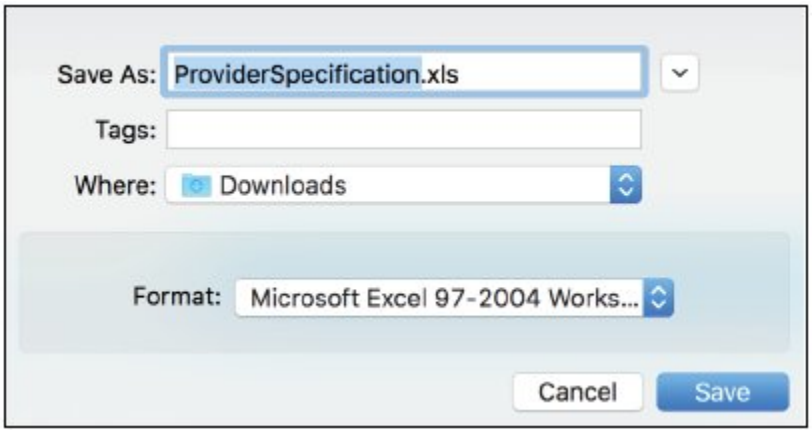
IDS Viewer

Selecting the *View IDS* operation for a subject opens the IDS Viewer, which displays the corresponding Interface Document Specification (IDS) for your review, as shown in the following image.



Downloading Documentation

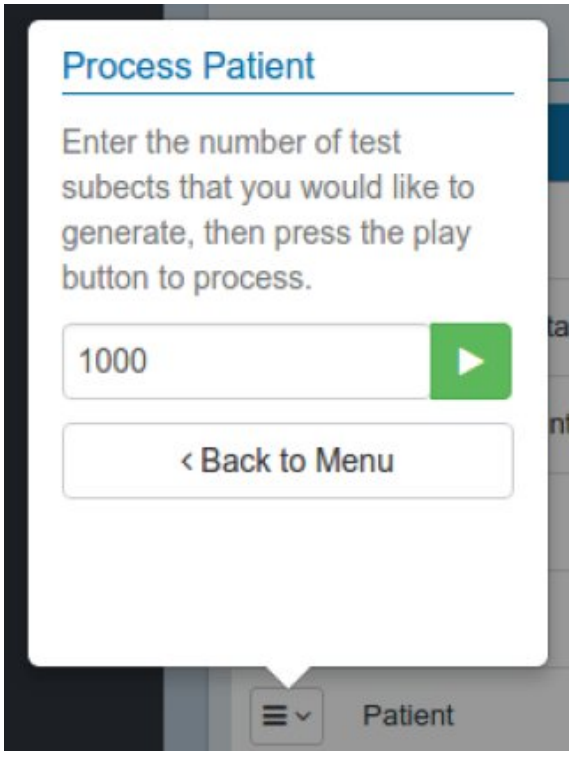
Selecting the *Download Documentation* operation for a subject opens the Save As dialog box, as shown in the following image.



Specify a name, meta tags (optional), download location, and Microsoft Excel format. Click *Save* after you have finished.

Process Test Subject

Selecting the *Process Test Subjects* operation for a subject opens the Process dialog for the selected subject (for example, Patient), as shown in the following image.

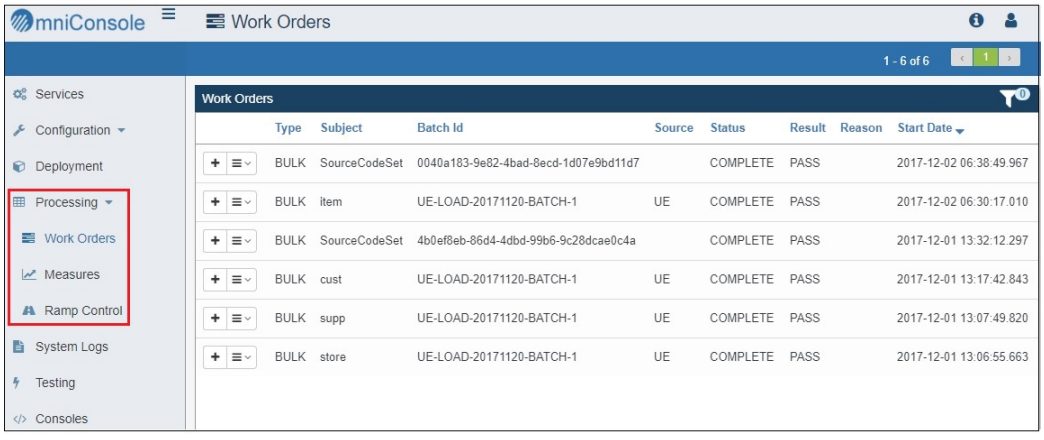


Specify the number of test subjects to generate and then click the green Play icon.

Monitoring Data Processing

The *Processing* section enables you to monitor the data processing that is occurring in the system. You can observe the overall status and any relevant error messages in a unified view. This view can be sorted by columns to provide easy navigation. You can also enable filters to customize the view.

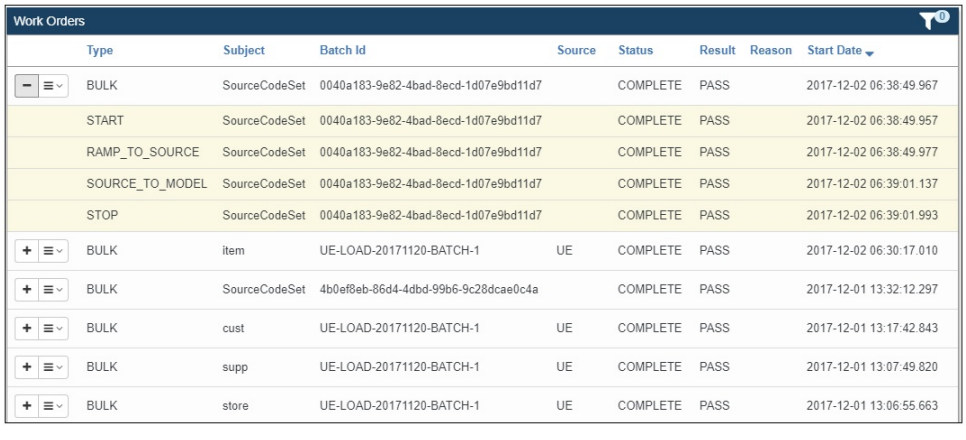
In the left pane of the Omni Console, click *Processing*, as shown in the following image.



The Processing pane is organized into the following views, which you can select from the left pane:

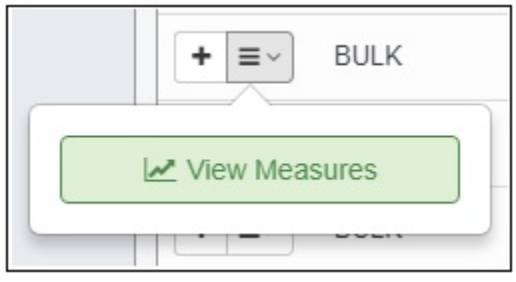
- Work Orders
- Measures
- Ramp Control

The default view is set to Work Orders, as active work orders are usually of most interest in production environments, as shown in the following image.



You can expand the information on any given entry by clicking on the plus (+) icon and view further details.

The drop-down menu next to a specific entry enables you to view the measures (statistics) as well as logs for the given process. The measures and logs can be also accessed through the left pane, but this provides a pre-filtered approach.



The measures enable you to see details on what actions have occurred during the process, the number of processed records, its duration and enables further drill-down capabilities into detailed processing and its statistics. This allows for identification of bottlenecks and their resolution.

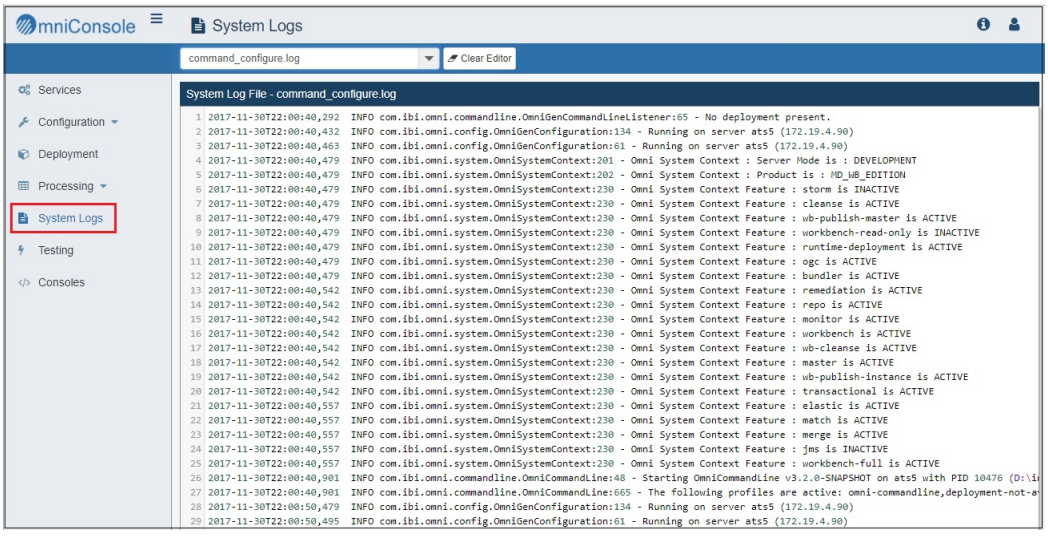
Measures

Component	Service	Operation	Subject	Status	Start Time	End Time	Elapsed	Pr
OMNI_SERVER	AutoClose	autoClose	item	Complete	2017-12-02 09:28:46.767	2017-12-02 09:28:48.837	2.068	0
OMNI_SERVER	Remediation	remediate	item	Complete	2017-12-02 07:46:07.797	2017-12-02 09:28:45.520	6157.723	52
OMNI_SERVER	Merging	merge	item	Complete	2017-12-02 07:16:59.713	2017-12-02 07:46:07.693	1747.979	56
OMNI_SERVER	FillReloadQueue	fillReloadQueue	item	Complete	2017-12-02 07:16:59.147	2017-12-02 07:16:59.683	0.539	0
OMNI_SERVER	Matching	match	item	Complete	2017-12-02 07:03:58.957	2017-12-02 07:16:59.107	780.153	56
OMNI_SERVER	Cleansing	cleanse	item	Complete	2017-12-02 06:47:36.373	2017-12-02 07:03:55.547	979.174	56
OMNI_SERVER	MasterReference	buildMasterReferences	item	Complete	2017-12-02 06:47:36.180	2017-12-02 06:47:36.333	0.153	0
OMNI_SERVER	SourceProcessing	sourceToInstance	SourceCodeSet	Complete	2017-12-02 06:39:01.147	2017-12-02 06:39:01.967	0.82	3
OMNI_SERVER	CodeProcessing	checkForMissingCodeXRefs		Complete	2017-12-02 06:38:59.250	2017-12-02 06:38:59.253	0.004	0
OMNI_SERVER	CodeProcessing	checkForMissingCodes		Complete	2017-12-02 06:38:50.257	2017-12-02 06:38:50.260	0.003	0

Viewing Logs

The *System Logs* section enables you to view all of the logging information for your Omni-Gen environment.

In the left pane of the Omni Console, click *System Logs*, as shown in the following image.



To enable logging in the Omni Console, you must ensure that the Kibana services are properly configured. This service uses two ports to interact with Kibana. The default console port, which is located in the underlying property file is 9515 and is set by the following property:

```
server.elk.kibana.port
```

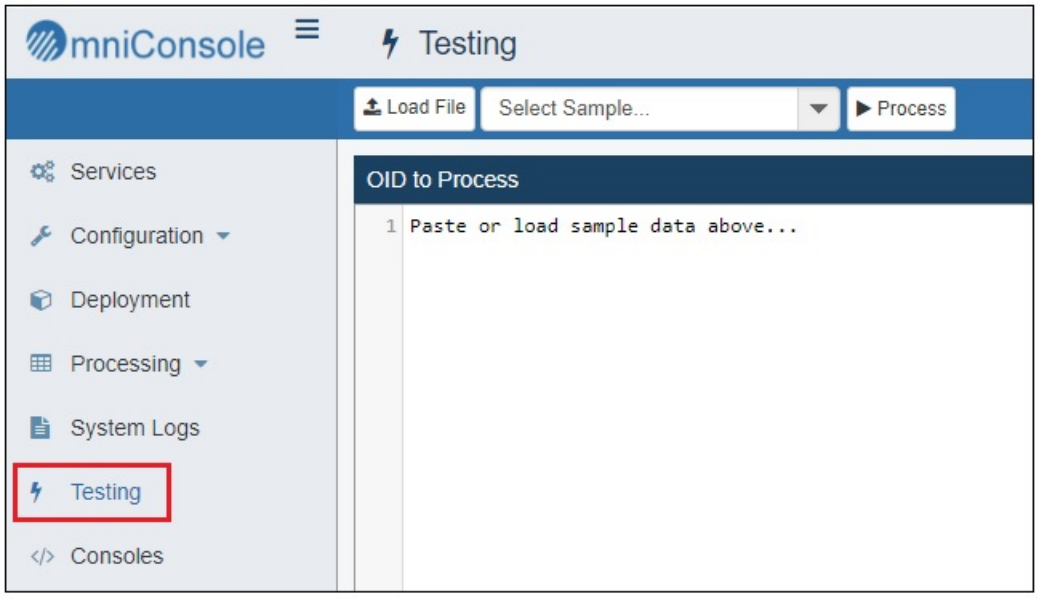
The Omni Console also exposes the Kibana listener port, which enables the internal interaction and must be set to 5601.

After properly configuring the listener port, you can start the Kibana service directly through the Omni Console.

Testing Your Deployment Bundle

The *Testing* section enables you to test your deployment bundle directly in the Omni Console and view the results that are returned.

In the left pane of the Omni Console, click *Testing*, as shown in the following image.

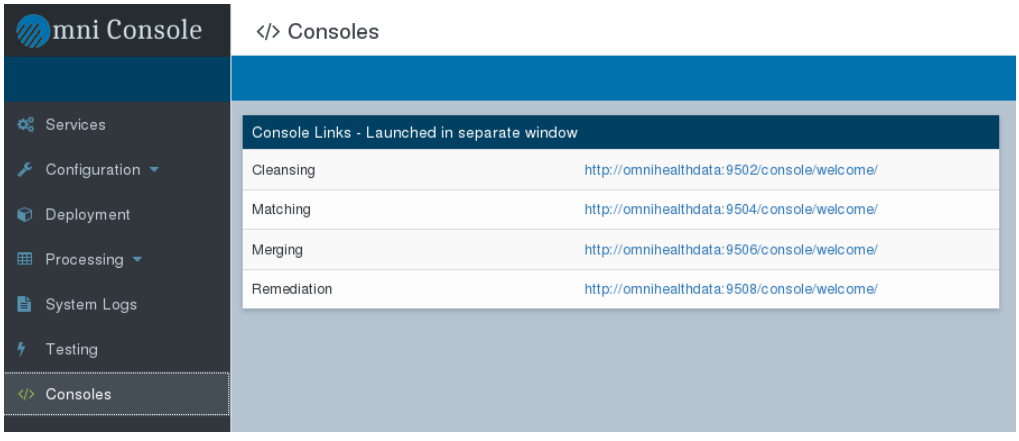


You can paste sample data directly into the available field or select a specific file. Click *Process* when you are ready to proceed.

Accessing Data Quality and Master Data Management Consoles

The *Consoles* section enables you to have direct access to other relevant consoles for Data Quality (DQ) and Master Data Management (MDM) services. This ensures a unified single access point for all your needs to address monitoring and management aspects of the Omni-Gen environment.

In the left pane of the Omni Console, click *Consoles*, as shown in the following image.



You can select one of the following consoles from the table that is displayed:

- Cleansing
- Matching
- Merging
- Remediation

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Omni Console User's Guide

Version 3.1

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Information Builders, Inc.
Two Penn Plaza
New York, NY 10121-2898