Information Builders

iWay

Omni Console User's Guide

Version 3.11

November 20, 2019

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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™.

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.
A	Omni Console Parameters	Provides a description of the Omni Console configuration parameters.

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.

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 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 every 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 *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. Be prepared to provide your six-digit site code (*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 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:

- Omni Console Components Configuration Overview
- Prerequisites and Installation

Omni Console Components Configuration Overview

Available in Omni-Gen™ Master Data Management (MDM) Edition and 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.

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-Gen™ Master Data Management (MDM) Edition and Data Quality (DQ) Edition. For more information on prerequisites and installation, see the *Omni-Gen™ 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
- Runtime Configuration Settings
- Database Configuration Settings
- Managed Services Configuration Settings
- Product Info
- User Management
- Managing Deployment Bundles
- Monitoring Data Processing
- Viewing Logs
- Testing Your Deployment Bundle
- Consoles
- Operations

Signing in to the Omni Console

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

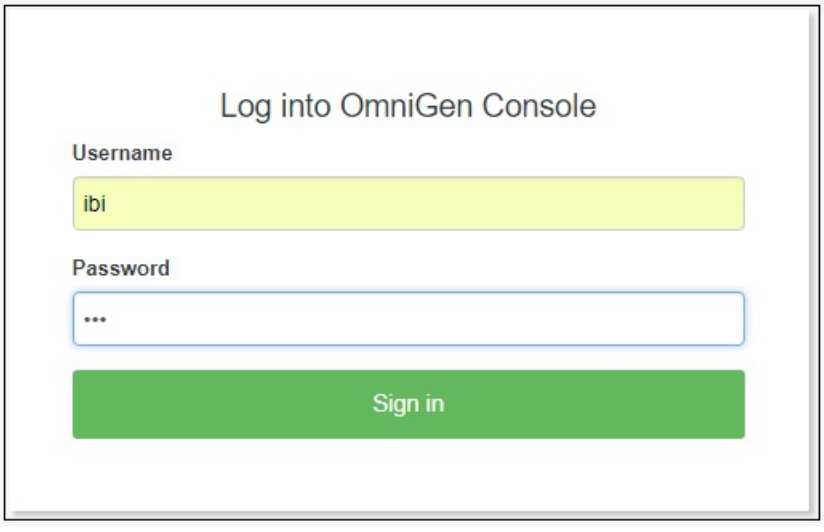
`https://yourhost.yourdomain.com:9500`

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.



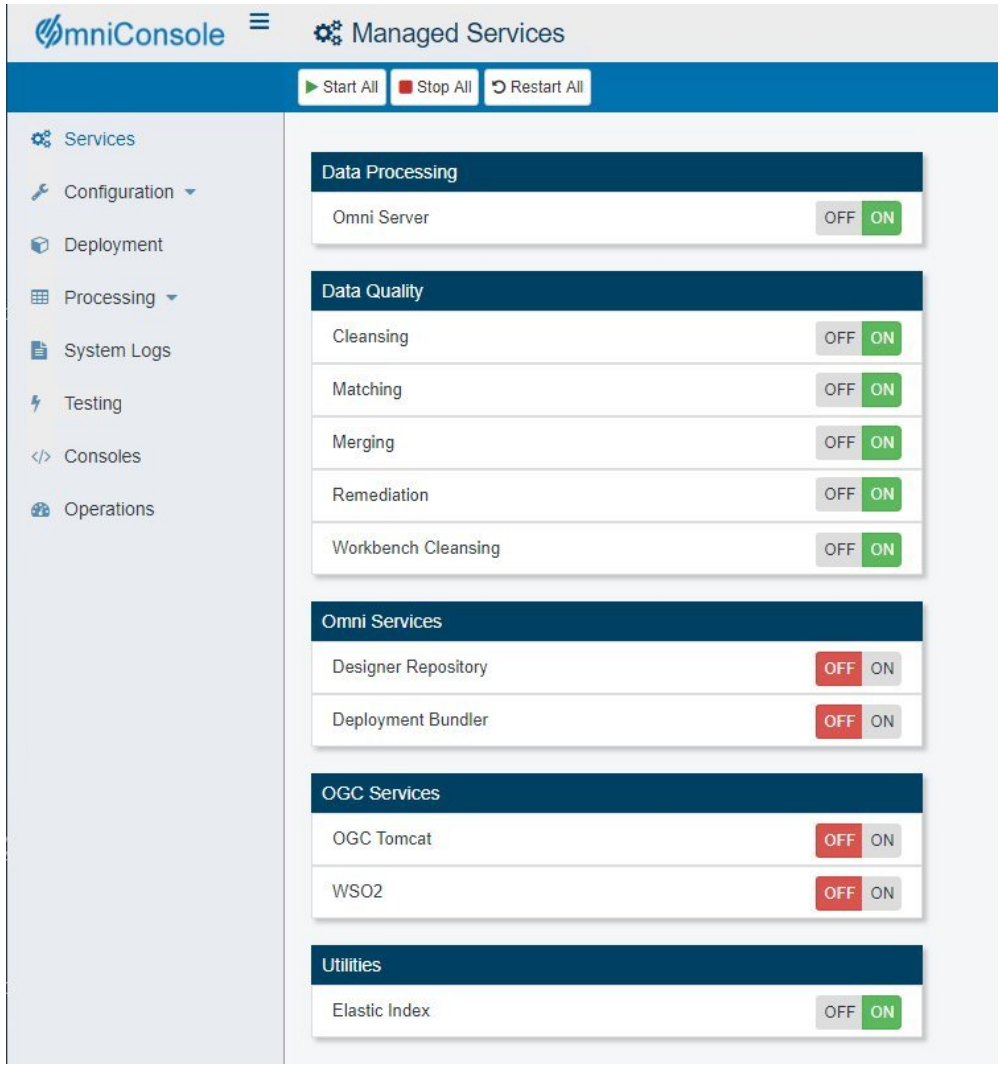
Specify a user name and password, and then click *Sign in*. The default credentials are:

- **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.

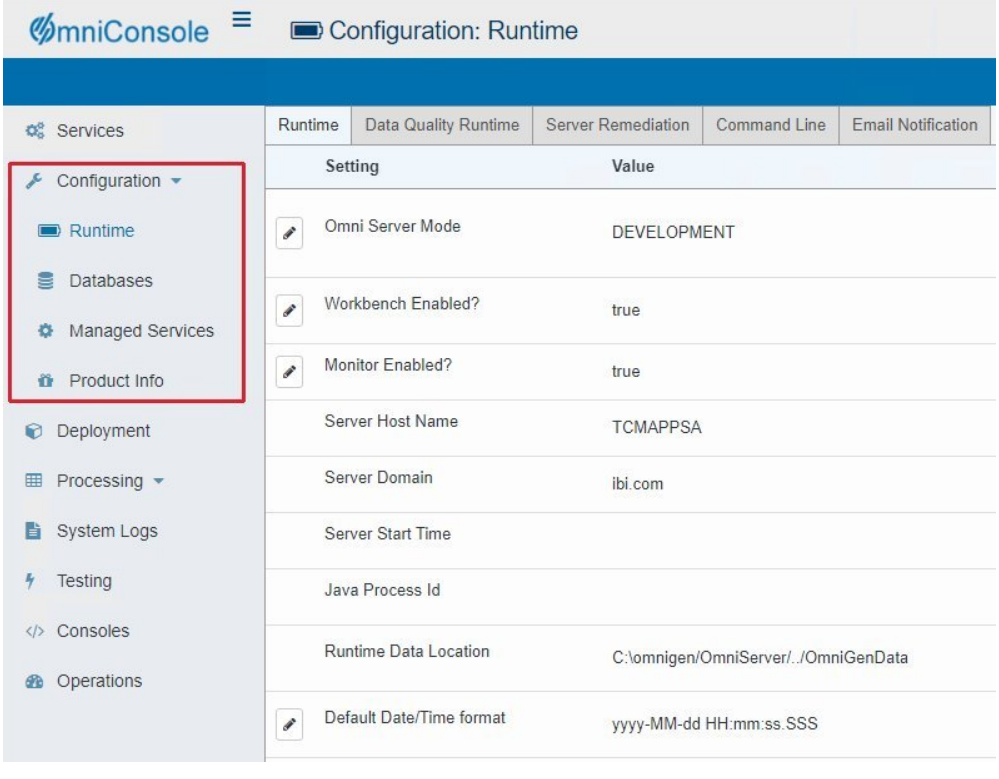
Toolbar Button	Description
Start All	Starts all services that are not currently running.
Stop All	Stops all services that are currently running.

Toolbar Button	Description
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.

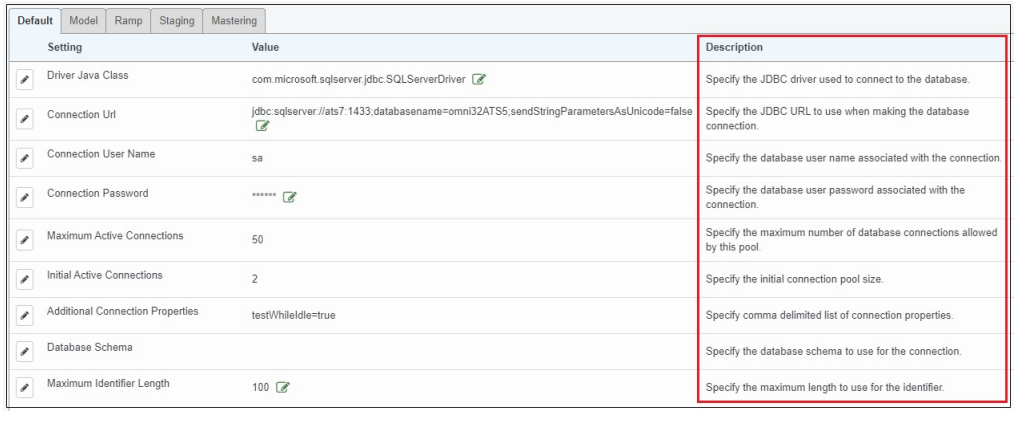
In the left pane of the Omni Console, click *Configuration*, as shown in the following image.



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.

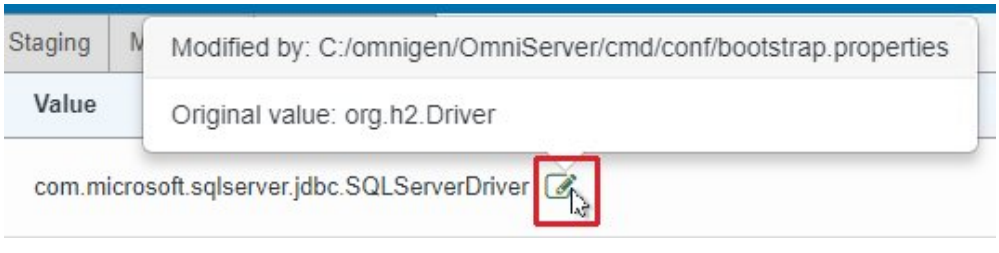
Descriptions for each configuration parameter are listed in the Description column, as shown in the following image.



Default | Model | Ramp | Staging | Mastering

Setting	Value	Description
Driver Java Class	com.microsoft.sqlserver.jdbc.SQLServerDriver	Specify the JDBC driver used to connect to the database.
Connection Url	jdbc:sqlserver://ats7:1433;databasename=omni32ATS5;sendStringParametersAsUnicode=false	Specify the JDBC URL to use when making the database connection.
Connection User Name	sa	Specify the database user name associated with the connection.
Connection Password	******	Specify the database user password associated with the connection.
Maximum Active Connections	50	Specify the maximum number of database connections allowed by this pool.
Initial Active Connections	2	Specify the initial connection pool size.
Additional Connection Properties	testWhileIdle=true	Specify comma delimited list of connection properties.
Database Schema		Specify the database schema to use for the connection.
Maximum Identifier Length	100	Specify the maximum length to use for the identifier.

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.

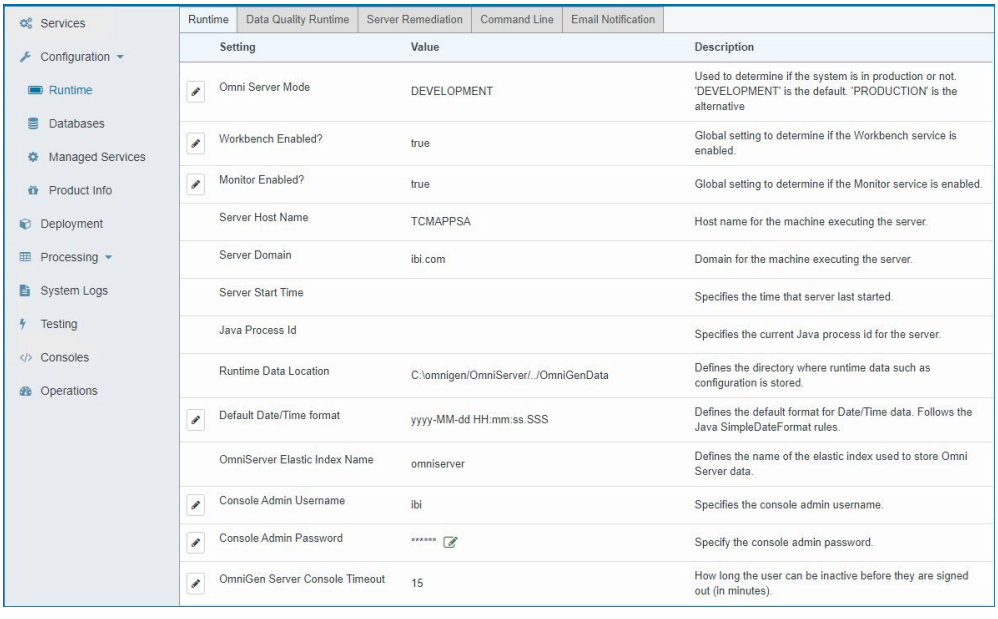


Runtime Configuration Settings

This section provides an overview of the available tabs that are located under Configuration, Runtime in the left pane of the Omni Console.

Runtime Tab

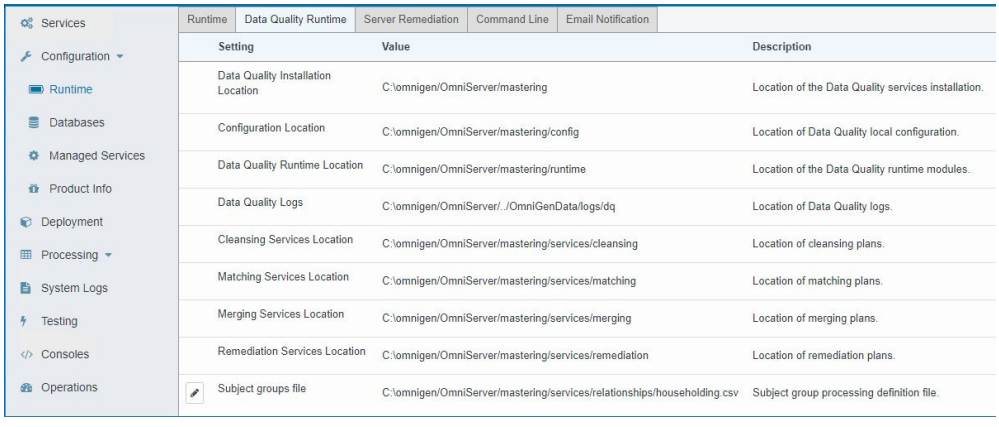
The Runtime tab, shown in the following image, provides quick access to runtime configuration settings.



Any setting that includes a pen icon to the left of the setting name can be modified. Most settings that are modified will require you to restart either the Omni-Gen Server and/or the Omni-Gen Controller. When a change to a setting is made, a prompt displays, which identifies the specific component that must be restarted.

Data Quality Runtime Tab

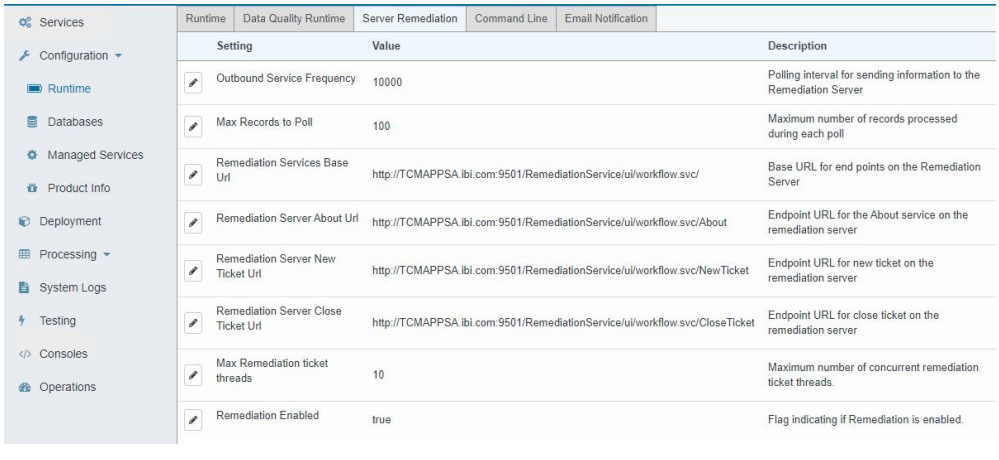
The Data Quality Runtime tab, shown in the following image, allows you to set the configuration file for a Subject group (also known as *householding*).



In addition, this tab provides an overall view into your current Data Quality environment.

Server Remediation Tab

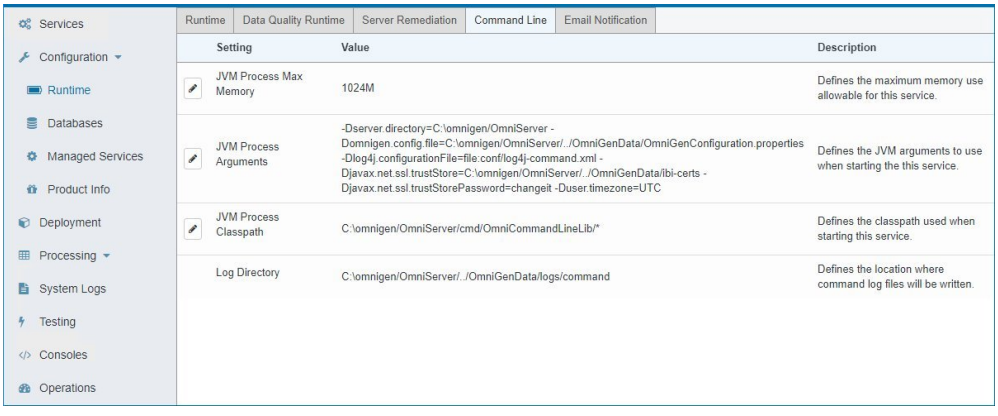
The Server Remediation tab, shown in the following image, enables tuning of the Remediation services according to the application requirements.



It also allows you to configure the Remediation end-points and enable or disable Remediation services.

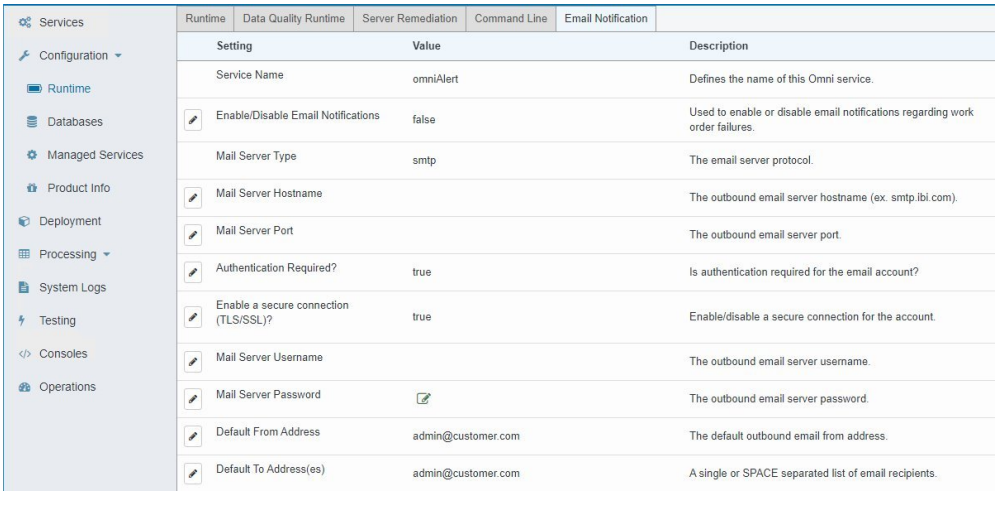
Command Line Tab

The Command Line tab, shown in the following image, enables you to view and modify the properties for starting a command line process.



Email Notification Tab

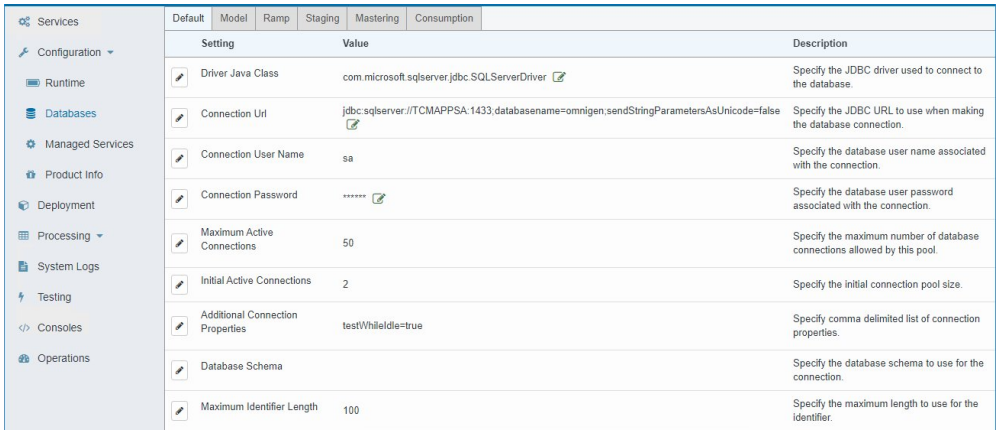
The Email Notification tab, shown in the following image, is used if you have selected the option to generate email alerts during the Omni-Gen installation process.



You can modify these settings after Omni-Gen has been installed according to the application requirements, which can change over time.

Database Configuration Settings

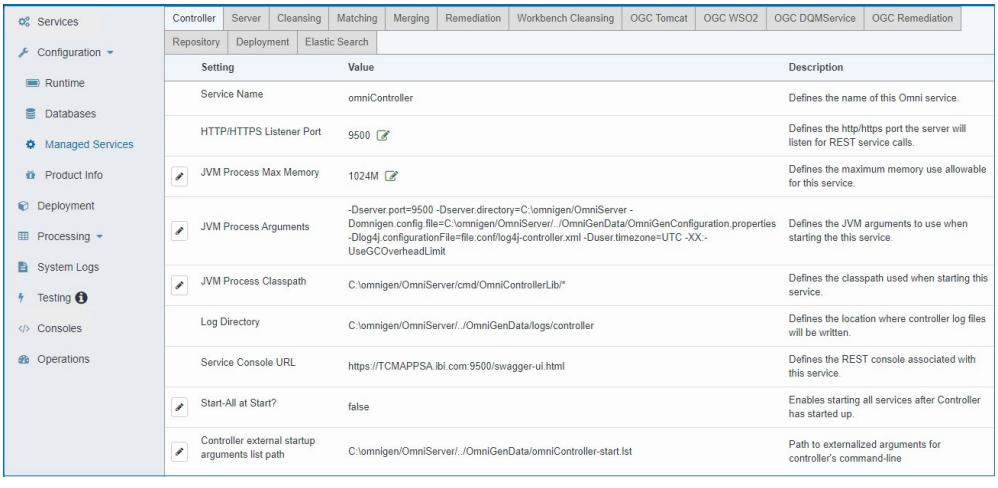
The Databases section, shown in the following image, allows you to configure and tune the database that was specified during the Omni-Gen installation.



The database repository is used heavily by various Omni-Gen components across the entire data processing life cycle. As a result, it is important to note the current settings and coordinate with your database administrator to identify the optimal configuration and balance for connection pooling, and other related tuning options.

Managed Services Configuration Settings

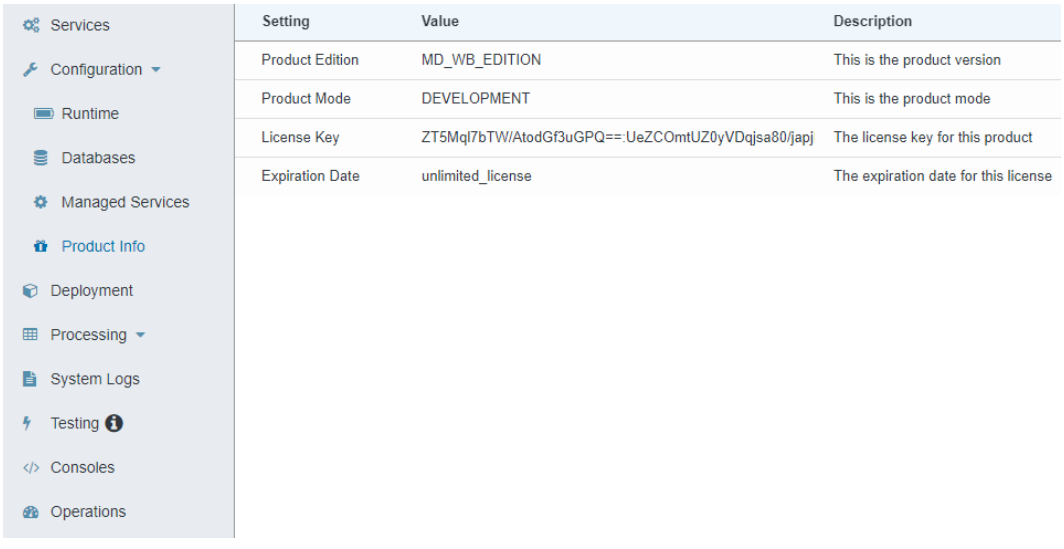
The Managed Services section, shown in the following image, allows you to control the relevant Omni-Gen services from a single console perspective, instead of accessing each service directly.



You can configure various settings using the Omni Console and the settings will be applied to the managed service. Doing so will require you to restart the relevant managed service in addition to any of the related services that can be impacted.

Product Info

The Product Info section, shown in the following image, provides information about your installation.



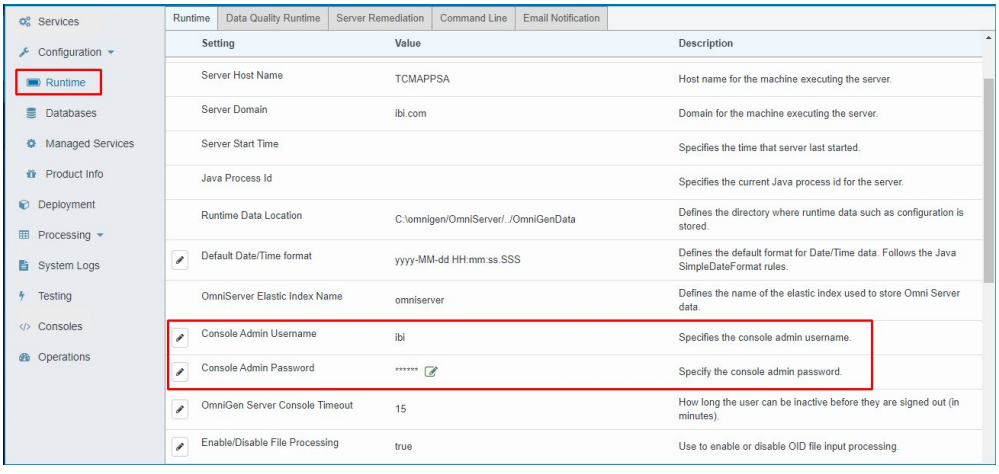
User Management

The Omni Console supports one user admin. The default user name and password for this user admin is *ibi*.

To modify the user name and password:

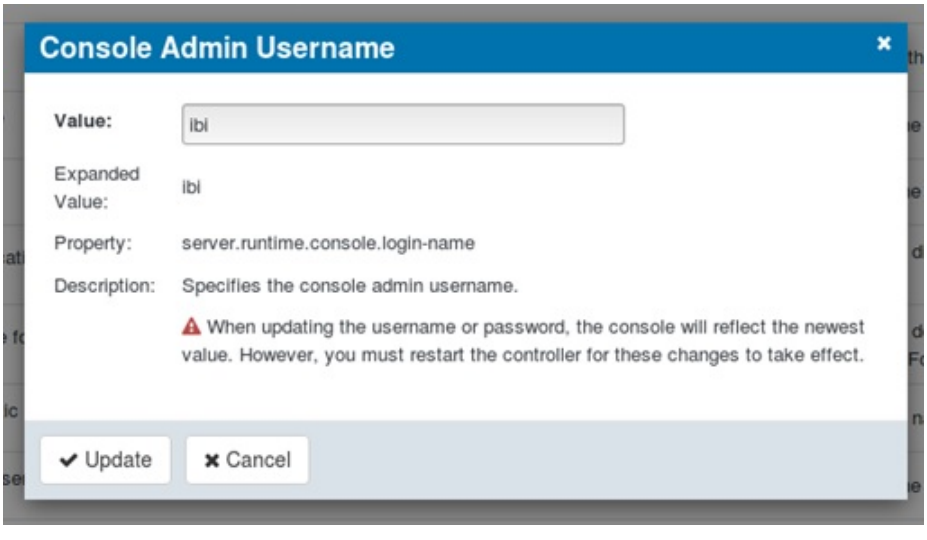
1. In the left pane of the Omni Console, click *Configuration* and then *Runtime*.

The Console Admin Username and Console Admin Password parameters are available in the Runtime tab, as shown in the following image.



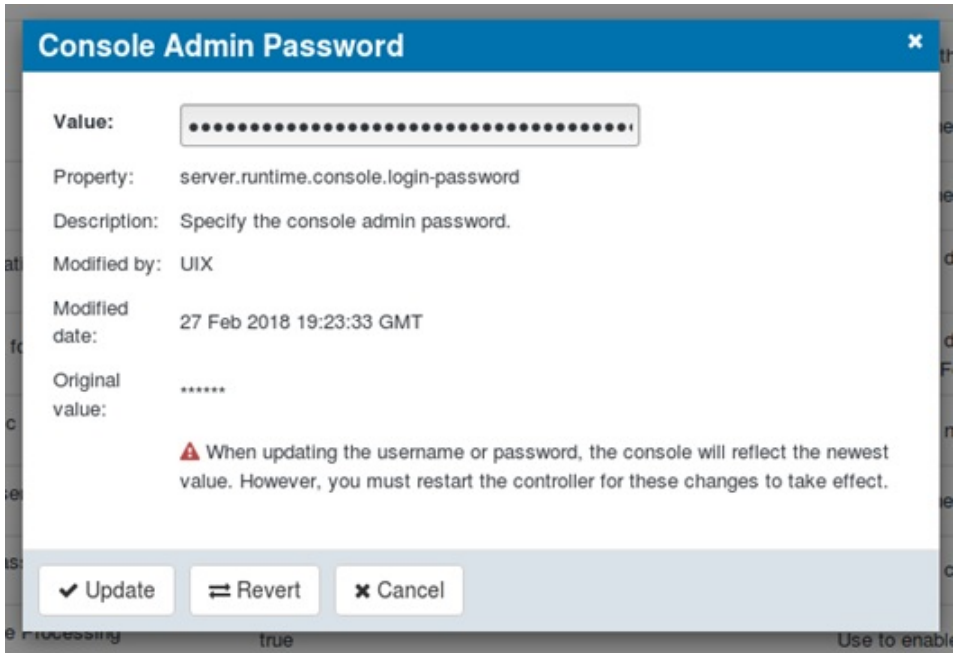
2. To modify the default user name, click the *Edit* icon to the left of the Console Admin Username parameter.

   The Console Admin Username dialog box opens, as shown in the following image.



3. In the Value field, specify a new user name, and then click *Update*.
4. To modify the default password, click the *Edit* icon to the left of the Console Admin Password parameter.

The Console Admin Password dialog box opens, as shown in the following image.



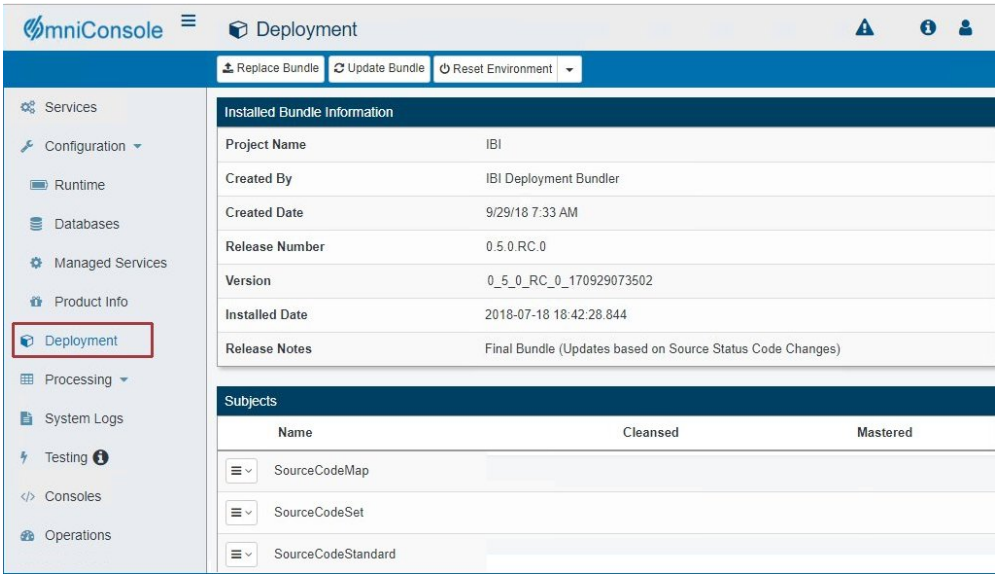
5. In the Value field, specify a new password, and then click *Update*.

   Note: You must restart the Omni Controller for any changes made to the user name and/or password to take effect.

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
Install/Replace Bundle	Opens a dialog box, which allows you to browse your file system and select a bundle to deploy as a replacement. The option is labeled *Install Bundle* or *Replace Bundle* if an existing bundle is available. **Note:** If a database exists, then it will be cleaned and all data will be lost.
Update Bundle	Opens a dialog box, which allows you to browse your file system and select a bundle to deploy as an update. It is expected to be a derivative of the current bundle. For example, a new column/attribute or a plan change. **Note:** The database is not cleaned.

Toolbar Button	Description
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. ❑ This is a destructive operation and should be used with caution.

Viewing Information for the Installed Bundle

The Installed Bundle Information 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	9/29/18 7:33 AM
Release Number	0.5.0.RC.0
Version	0_5_0_RC_0_170929073502
Installed Date	2018-07-18 18:42:28.844
Release Notes	Final Bundle (Updates based on Source Status Code Changes)

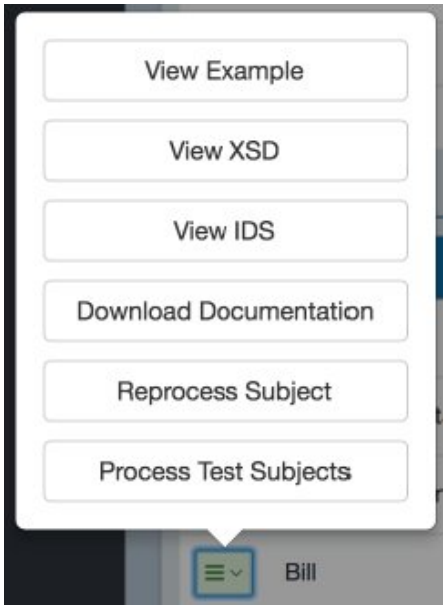
Viewing Subjects

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 instance 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 33.
View XSD	Views the XML Schema Document (XSD) for the selected subject. For more information, see *XSD Viewer* on page 34.

Operation	Description
View IDS	Views the Interface Document Specification (IDS) for the selected subject. For more information, see *IDS Viewer* on page 35.
Download Documentation	Downloads the documentation for the selected subject. For more information, see *Downloading Documentation* on page 35.
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 36.

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.

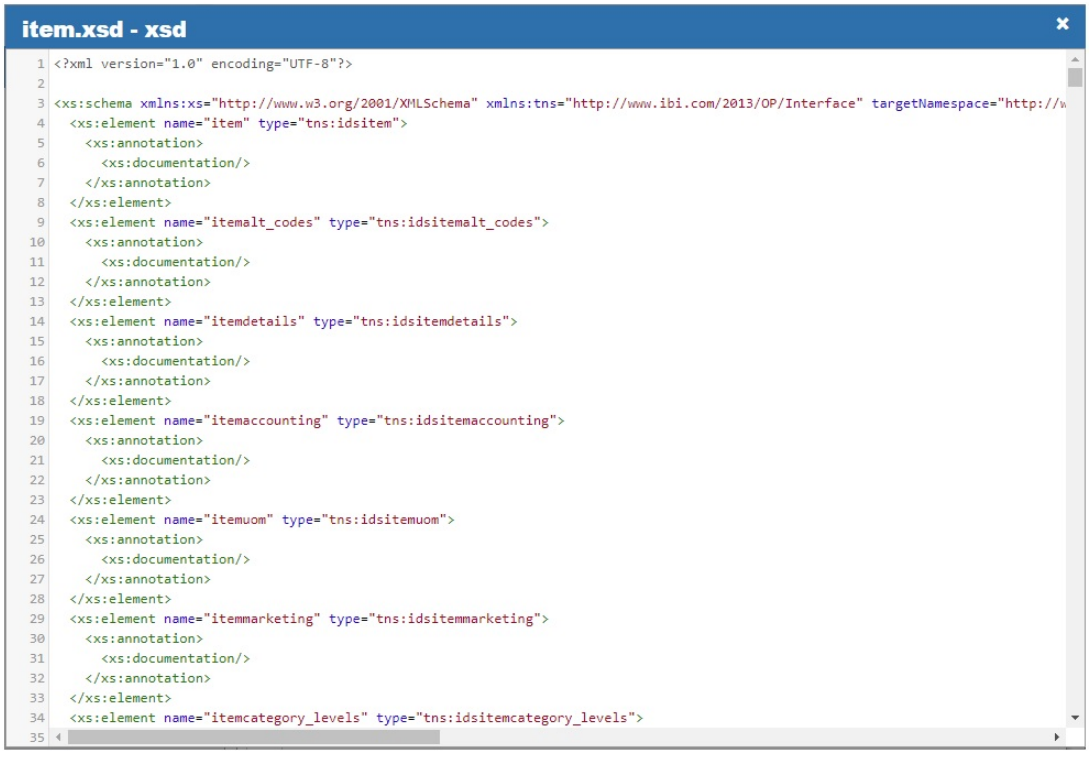
item.xml - example


```xml
<?xml version="1.0" encoding="UTF-8"?>

<OmniInterface>
  <item>
    <SourceName>test_system</SourceName>
    <SourceInstanceId>1512097940813_15</SourceInstanceId>
    <SourceInstanceIdName>source_instance_id_name</SourceInstanceIdName>
    <number>number</number>
    <series>series</series>
    <description>description</description>
    <division>division</division>
    <line>line</line>
    <department>department</department>
    <type>type</type>
    <user_item_type>user_item_type</user_item_type>
    <serial_num>serial_num</serial_num>
    <serial_num_status>serial_num_status</serial_num_status>
    <status_code>status_code</status_code>
    <serialized_flag>false</serialized_flag>
    <assembly_flag>false</assembly_flag>
    <on_hand_flag>false</on_hand_flag>
    <is_selling_flag>false</is_selling_flag>
    <registered_flag>false</registered_flag>
    <non_catalog_flag>false</non_catalog_flag>
    <lesco_brand_flag>false</lesco_brand_flag>
    <stocking_flag>false</stocking_flag>
    <discontinued_flag>false</discontinued_flag>
    <bulk_flag>false</bulk_flag>
    <message>message</message>
    <freeze_code>freeze_code</freeze_code>
    <short_desc>short_desc</short_desc>
    <long_desc>long_desc</long_desc>
    <jda_desc>jda_desc</jda_desc>
```

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.

item.xml - ids

```
1
2  <idsDocument name="item" type="instance" master="itemMaster" domain="item" elementOrder="OmniStatus,OmniStatusReason,SourceName
3    <documentation></documentation>
4    <customType name="SourceCode" class="com.ibi.omni.model.codes.SourceCode"/>
5    <customType name="code" class="com.ibi.omni.ids.types.IdsCodeType"/>
6    <customType name="Inherited" class="com.ibi.omni.ids.types.IdsStringType"/>
7    <customType name="string" class="com.ibi.omni.ids.types.IdsStringType"/>
8    <customType name="Reference" class="com.ibi.omni.ids.types.IdsCodeType"/>
9    <customType name="String" class="com.ibi.omni.ids.types.IdsStringType"/>
10   <customType name="list" class="com.ibi.omni.ids.types.IdsListType"/>
11   <customType name="Double" class="com.ibi.omni.ids.types.IdsDoubleType"/>
12   <customType name="Date" class="com.ibi.omni.ids.types.IdsDateType"/>
13   <customType name="Integer" class="com.ibi.omni.ids.types.IdsIntegerType"/>
14   <customType name="Float" class="com.ibi.omni.ids.types.IdsFloatType"/>
15   <customType name="datetime" class="com.ibi.omni.ids.types.IdsDateTimeType"/>
16   <customType name="Identifier" class="com.ibi.omni.ids.types.IdsLinkType"/>
17   <customType name="MasterOmniCode" class="com.ibi.omni.ids.types.IdsMasterCodeType"/>
18   <customType name="OmniLink" class="com.ibi.omni.ids.types.IdsLinkType"/>
19   <customType name="Long" class="com.ibi.omni.ids.types.IdsLongType"/>
20   <customType name="Boolean" class="com.ibi.omni.ids.types.IdsBooleanType"/>
21   <customType name="Datetime" class="com.ibi.omni.ids.types.IdsDateTimeType"/>
22   <element name="OmniStatus" type="string" hidden="true" cleanse="true" match="true" merge="true">
23     <documentation>Use this element to set the status of this record. This field will default to 'ACTIVE' if not supplied. Poss
24   </element>
25   <element name="OmniStatusReason" type="string" hidden="true" cleanse="true" match="true" merge="true">
26     <documentation>Use to specify the reason for the status.</documentation>
27   </element>
28   <element name="SourceName" type="string" key="true" cleanse="true" match="true" merge="true">
29     <documentation>This element must identify the source system that was responsible for generating this data. This value is de
30   </element>
31   <element name="SourceInstanceId" type="string" key="true" cleanse="true" match="true" merge="true">
32     <documentation>This element should contain an integration manufactured value that uniquely identifies the collection elemen
33   </element>
34   <element name="SourceInstanceIdName" type="string" hidden="false" cleanse="true" match="true" merge="true">
35     <documentation>This element gives an indication of where the data came from in the source system. Will be used in the 360 v
36   </element>
37   <element name="MasterId" type="string" hidden="true" cleanse="false" match="true" merge="true">
38
```

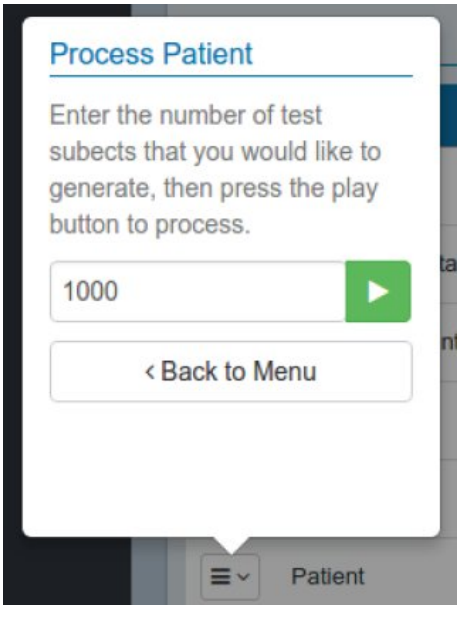
Downloading Documentation

Selecting the *Download Documentation* operation for a subject prompts you to open or save the document, as shown in the following image.

Do you want to open or save **Item.xls** (16.0 KB) from **ig10588-2.ibi.com**? Open Save Cancel

Process Test Subject

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

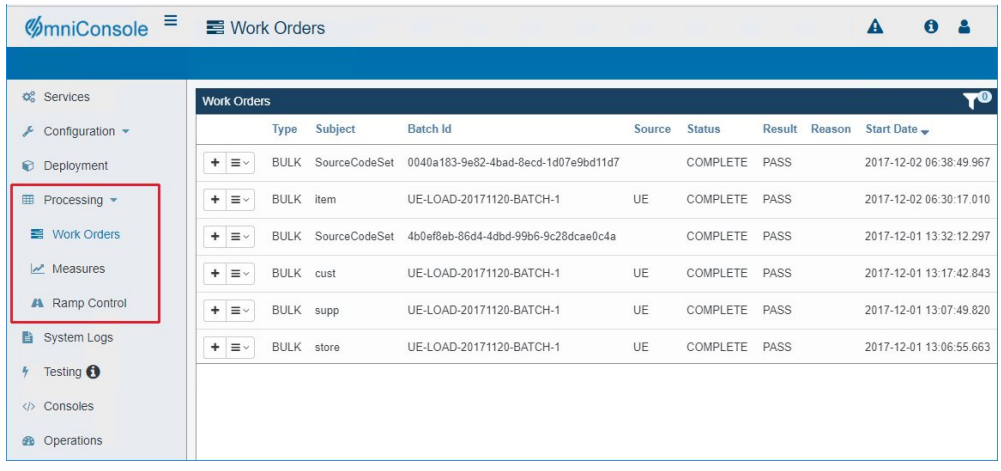


Specify the number of test subjects to generate, and then click the green Play icon.

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 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.

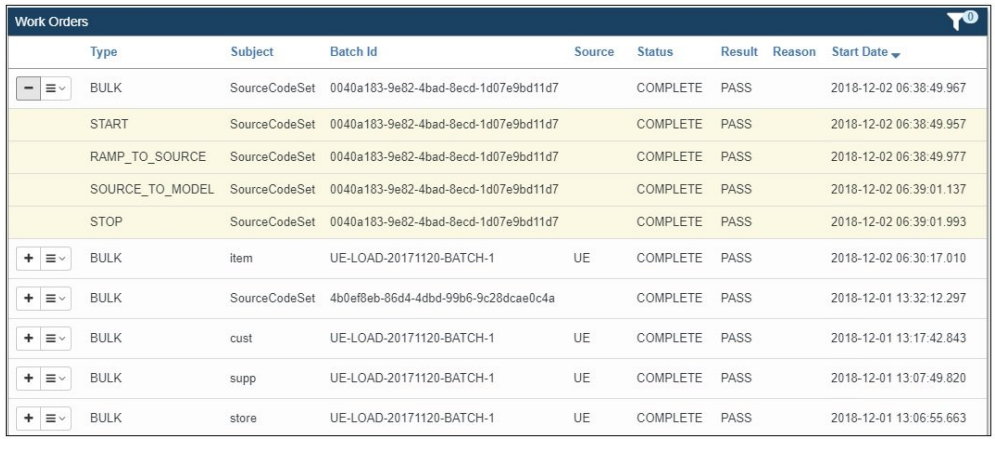
In the left pane of the Omni Console, click *Processing*, as shown in the following image.



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

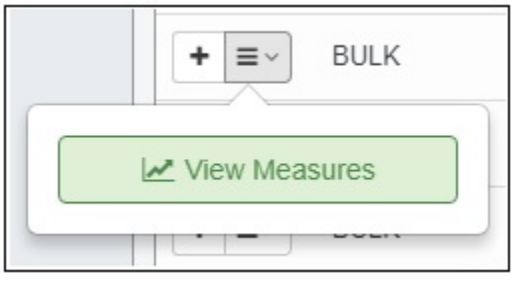
- ❑ Work Orders
- ❑ Measures
- ❑ Ramp Control

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 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, and its duration. It enables further drill-down capabilities into detailed processing and its statistics. This allows for identification of bottlenecks and their resolution.

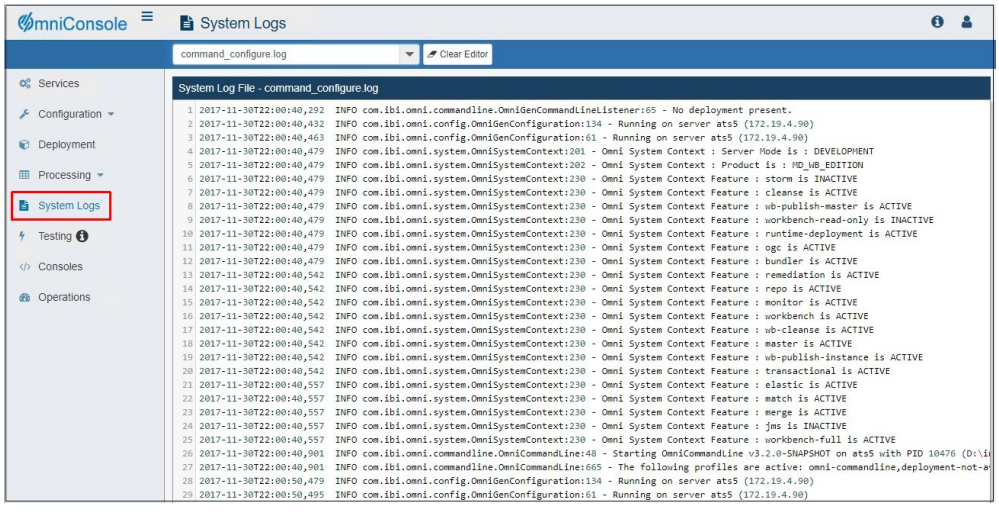
Measures

	Component	Service	Operation	Subject	Status	Start Time	End Time	Elapsed	Pr
	OMNI_SERVER	AutoClose	autoClose	item	Complete	2018-12-02 09:28:46.767	2018-12-02 09:28:48.837	2.068	0
+	OMNI_SERVER	Remediation	remediate	item	Complete	2018-12-02 07:46:07.797	2018-12-02 09:28:45.520	6157.723	52
+	OMNI_SERVER	Merging	merge	item	Complete	2018-12-02 07:16:59.713	2018-12-02 07:46:07.693	1747.979	56
	OMNI_SERVER	FillReloadQueue	fillReloadQueue	item	Complete	2018-12-02 07:16:59.147	2018-12-02 07:16:59.683	0.539	0
+	OMNI_SERVER	Matching	match	item	Complete	2018-12-02 07:03:58.957	2018-12-02 07:16:59.107	780.153	56
+	OMNI_SERVER	Cleansing	cleanse	item	Complete	2018-12-02 06:47:36.373	2018-12-02 07:03:55.547	979.174	56
	OMNI_SERVER	MasterReference	buildMasterReferences	item	Complete	2018-12-02 06:47:36.180	2018-12-02 06:47:36.333	0.153	0
+	OMNI_SERVER	SourceProcessing	sourceToInstance	SourceCodeSet	Complete	2018-12-02 06:39:01.147	2018-12-02 06:39:01.967	0.82	3
	OMNI_SERVER	CodeProcessing	checkForMissingCodeXRefs		Complete	2018-12-02 06:38:59.250	2018-12-02 06:38:59.253	0.004	0
	OMNI_SERVER	CodeProcessing	checkForMissingCodes		Complete	2018-12-02 06:38:50.257	2018-12-02 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`

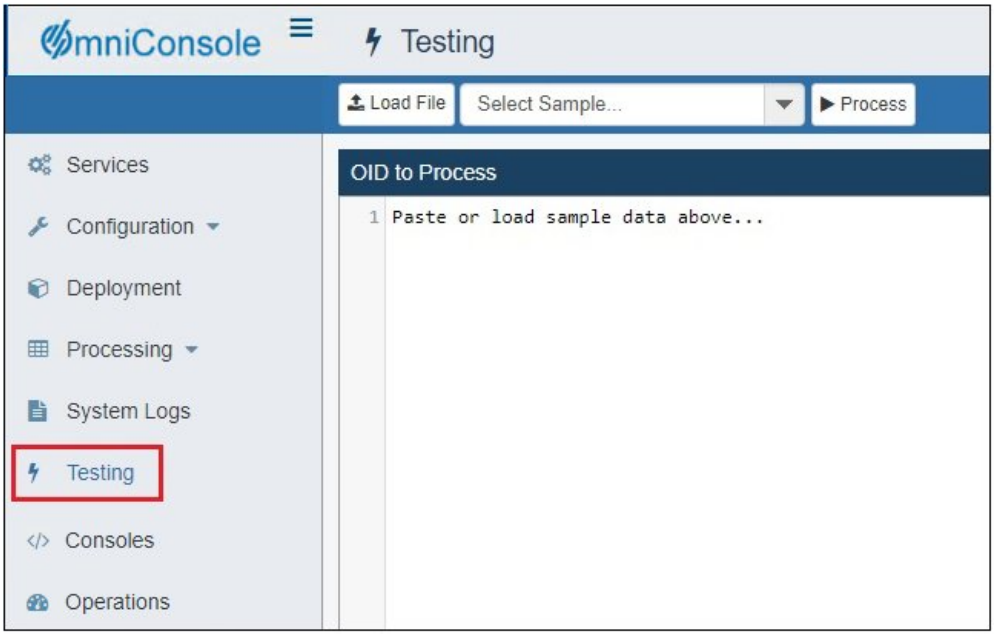
The Omni Console also exposes the Kibana listener port, which enables the internal interaction and must be set to 5601.

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.

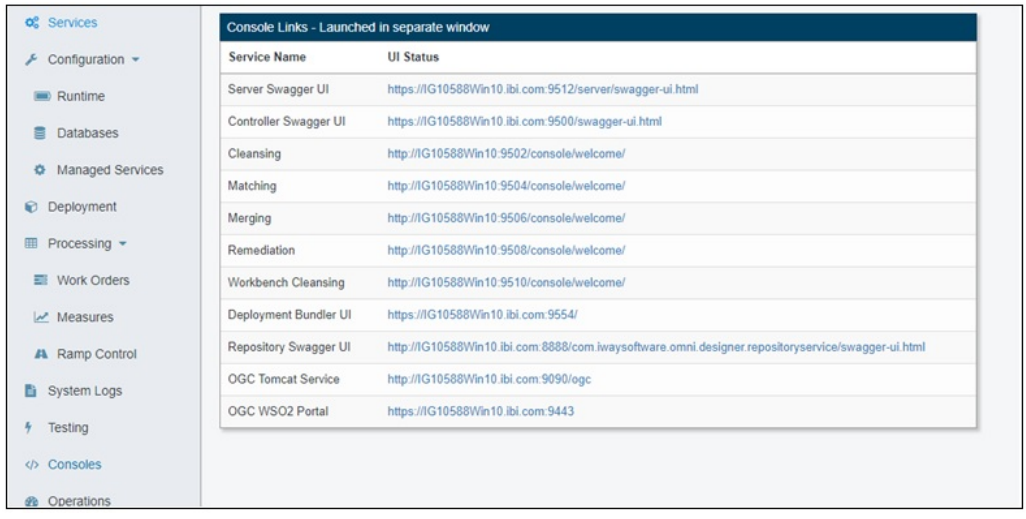


You can paste sample data directly into the available field or select a specific file. Click *Process* when you are ready to proceed.

Consoles

The *Consoles* section enables you to have direct access to other relevant consoles for related services (for example, cleansing, matching, merging, and remediation). 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.

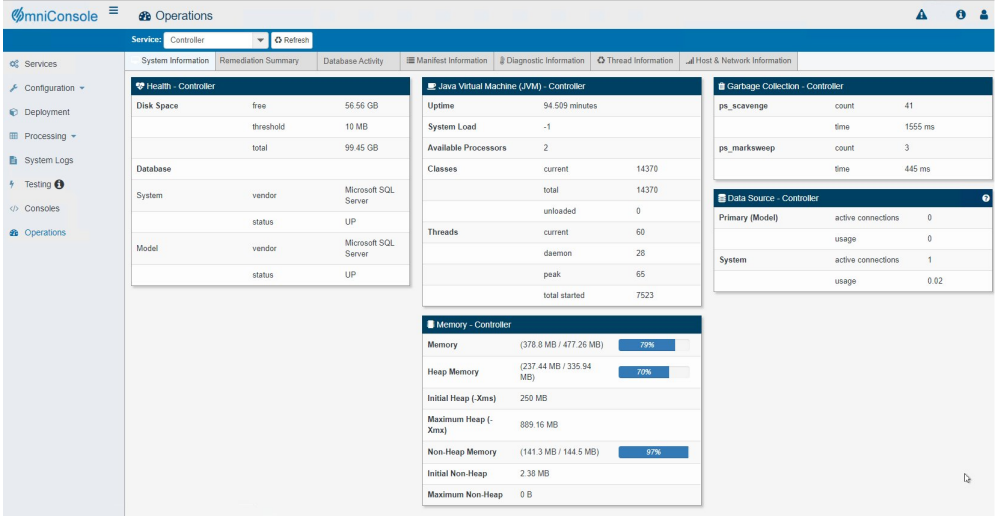


You can select one of the following consoles from the table that is displayed:

- ❑ Server Swagger UI
- ❑ Controller Swagger UI
- ❑ Cleansing
- ❑ Matching
- ❑ Merging
- ❑ Remediation
- ❑ Workbench Cleansing
- ❑ Deployment Bundler UI
- ❑ Repository Swagger UI
- ❑ OGC Tomcat Service
- ❑ OGC WSO2 Portal

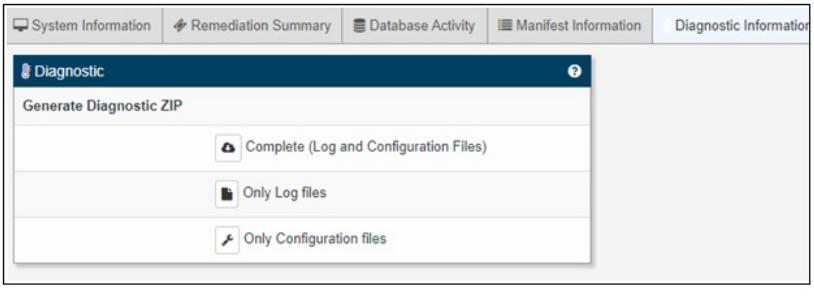
Operations

The Operations section provides a detailed view into system resource utilization, transaction processing, execution statistics, and other relevant data to optimize the Omni-Gen system and isolate any performance bottlenecks. This area is separated into relevant sub-sections, based on the product area that is most resource intensive.



The Operations section is meant to be a supplement to other performance monitoring tools, such as Java monitoring, database monitoring, tuning facilities, and other related third-party tools. It is not meant to be a replacement, but rather a supplemental tool to help identify and isolate potential problems in the Omni-Gen system.

From the Diagnostic Information tab, you can also quickly generate a diagnostic .zip file, as shown in the following image.



You can share this diagnostic .zip file with Customer Support Services to isolate and troubleshoot any issues, as required.

Appendix A

Omni Console Parameters

This appendix provides a description of the Omni Console configuration parameters.

In this appendix:

- Configuration Parameters
- Database Configuration Parameters
- Managed Services Parameters

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.

Runtime Configuration Parameters

Select *Runtime* from the *Configuration* section of the Omni Console navigation pane to access the following parameters:

Omni Server Mode

Used to determine if the system is in production or not. 'DEVELOPMENT' is the default. 'PRODUCTION' is the alternative.

Workbench Enabled?

Global setting to determine if the Workbench service is enabled.

Monitor Enabled?

Global setting to determine if the Monitor service is enabled.

Server Host Name

Host name for the machine executing the server.

Server Domain

Domain for the machine executing the server.

Server Start Time

Specifies the time that the server last started.

Java Process Id

Specifies the current Java process ID for the server.

Runtime Data Location

Defines the directory where run-time data, such as configuration, is stored.

Default Date/Time format

Defines the default format for Date/Time data. Follows the Java SimpleDateFormat rules.

OmniServer Elastic Index Name

Defines the name of the Elastic index used to store Omni Server data.

Console Admin Username

Specifies the console admin user name.

Console Admin Password

Specifies the console admin password.

OmniGen Server Console Timeout

How long the user can be inactive before they are signed out (in minutes).

Enable/Disable File Processing

Use to enable or disable OID file input processing.

File Polling Interval

Defines the polling interval in milliseconds for checking the OID input directory.

File Input Location

Defines the directory where file-based OIDs will be loaded from.

Enable/Disable CSV file Processing

Use to enable or disable CSV file input processing.

Enable/Disable CSV Load in Ramp Only

Use to enable or disable CSV file in Ramp load only.

CSV File Polling Interval

Defines the polling interval in milliseconds for checking the CSV input directory.

CSV File Input Location

Defines the directory where file-based CSVs will be loaded from.

Enable/Disable Automatic Ramp Processing

Enables the automated processing of the RampControl table.

Ramp Polling Interval

Polling interval in seconds to check RampControl.

Ramp Transaction Size

Maximum transaction size for Ramp to Source operation.

Enable/Disable Match Post Processing for Inactive

Enables/disables Match post processing, namely set status INACTIVE on master records.

Enable/Disable Match Post Processing for Delete

Enables/disables Match post processing, namely set status DELETE on master records.

Enable/Disable Instance History

Enables history for instance records.

Enable/Disable Master History

Enables history for master records.

Enable/Disable CDC Notification

Enables the CDC notification function.

Enable/Disable CDC Publish

Enables the CDC publishing.

CDC Polling Interval

Polling interval in seconds to check and publish data changes.

Include Namespace Into Changed OID

Include Namespace into Changed OID.

Include Nulls Into Changed OID

Include Nulls Into Changed OID.

Work Order Scheduler interval

Polling interval in milliseconds to schedule Work Orders.

Enable DQ trace files

Generate trace files of data going to/from Omni and DQ.

Work order dispatcher thread pool size

Work order dispatcher thread pool size.

ThreadPool Core Size

TaskExecutor core size.

ThreadPool Max Size

TaskExecutor max pool size.

ThreadPool Queue Capacity

TaskExecutor blocking queue size.

ThreadPool Keep Alive

TaskExecutor keep alive seconds.

Publishing threads

Number of threads to use when publishing.

Publishing chunk size

Chunk size used by publishing thread.

Purge Time

Purge time as cron expression.

Purge Age

Purge age in days.

HTTP Protocol

Define HTTP protocol as http or https.

Installation Location

Installation directory for OmniGen server installation.

Data Quality Runtime Configuration Parameters

Select *Runtime* from the *Configuration* section of the Omni Console navigation pane. Select the *Data Quality Runtime* tab to access the following parameters:

Data Quality Installation Location

Location of the Data Quality services installation.

Configuration Location

Location of the Data Quality local configuration.

Data Quality Runtime Location

Location of the Data Quality runtime modules.

Data Quality Logs

Location of the Data Quality logs.

Cleansing Services Location

Location of the cleansing plans.

Matching Services Location

Location of the matching plans.

Merging Services Location

Location of the merging plans.

Remediation Services Location

Location of the remediation plans.

Subject groups file

Subject group processing definition file.

Server Remediation Configuration Parameters

Select *Runtime* from the *Configuration* section of the Omni Console navigation pane. Select the *Server Remediation* tab to access the following parameters:

Outbound Service Frequency

Polling interval for sending information to the Remediation Server.

Max Records to Poll

Maximum number of records processed during each poll.

Remediation Services Base Url

Base URL for end points on the Remediation Server.

Remediation Server About Url

Endpoint URL for the About service on the Remediation Server.

Remediation Server New Ticket Url

Endpoint URL for new ticket on the Remediation Server.

Remediation Server Close Ticket Url

Endpoint URL for close ticket on the Remediation Server.

Max Remediation ticket threads

Maximum number of concurrent Remediation ticket threads.

Remediation Enabled

Flag indicating if Remediation is enabled.

Command Line Configuration Parameters

Select *Runtime* from the *Configuration* section of the Omni Console navigation pane. Select the *Command Line* tab to access the following parameters:

VM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Log Directory

Defines the location where command log files will be written.

Email Notification Configuration Parameters

Select *Runtime* from the *Configuration* section of the Omni Console navigation pane. Select the *Email Notification* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

Enable/Disable Email Notifications

Used to enable or disable email notifications regarding work order failures.

Mail Server Type

Email server protocol.

Mail Server Hostname

Outbound email server host name (for example, smtp.ibi.com).

Mail Server Port

Outbound email server port.

Authentication Required?

Is authentication required for the email account?

Enable a secure connection (TLS/SSL)?

Enable/disable a secure connection for the account.

Mail Server Username

Outbound email server user name.

Mail Server Password

Outbound email server password.

Default From Address

Default outbound email from address.

Default To Address(es)

Single or SPACE separated list of email recipients.

Database Configuration Parameters

The Databases section enables you to configure and tune the database that was specified during the Omni-Gen installation.

Default Database Configuration Parameters

Select *Databases* from the *Configuration* section of the Omni Console navigation pane. Select the *Default* tab to access the following parameters:

Driver Java Class

Specify the JDBC driver used to connect to the database.

Connection Url

Specify the JDBC URL to use when making the database connection.

Connection User Name

Specify the database user name associated with the connection.

Connection Password

Specify the database user password associated with the connection.

Maximum Active Connections

Specify the maximum number of database connections allowed by this pool.

Initial Active Connections

Specify the initial connection pool size.

Additional Connection Properties

Specify comma-delimited list of connection properties.

Database Schema

Specify the database schema to use for the connection.

Maximum Identifier Length

Specify the maximum length to use for the identifier.

Model Database Configuration Parameters

Select *Databases* from the *Configuration* section of the Omni Console navigation pane. Select the *Model* tab to access the following parameters:

Database Schema

Specify the database schema to use for the connection.

JDBC Batch Write Size

Size of JDBC batch write size.

Database Driver Class

Specify the JDBC driver used to connect to the database.

Connection Url

Specify the JDBC URL to use when making the database connection.

Connection User Name

Specify the database user name associated with the connection.

Connection Password

Specify the database user password associated with the connection.

Maximum Active Connections

Specify the maximum number of database connections allowed by this pool.

Initial Active Connections

Specify the initial connection pool size.

Additional Connection Properties

Specify comma-delimited list of connection properties.

SQL Profiling Enabled?

Setting to enable SQL profiling.

Ramp Database Configuration Parameters

Select *Databases* from the *Configuration* section of the Omni Console navigation pane. Select the *Ramp* tab to access the following parameters:

Database Driver Class

Specify the JDBC driver used to connect to the database.

Connection Url

Specify the JDBC URL to use when making the database connection.

Connection User Name

Specify the database user name associated with the connection.

Connection Password

Specify the database user password associated with the connection.

Maximum Active Connections

Specify the maximum number of database connections allowed by this pool.

Initial Active Connections

Specify the initial connection pool size.

Additional Connection Properties

Specify comma-delimited list of connection properties.

Database Schema

Specify the database schema to use for the connection.

JDBC Batch Write Size

Size of JDBC batch write size.

SQL Profiling Enabled?

Setting to enable SQL profiling.

Staging Database Configuration Parameters

Select *Databases* from the *Configuration* section of the Omni Console navigation pane. Select the *Staging* tab to access the following parameters:

Database Driver Class

Specify the JDBC driver used to connect to the database.

Connection Url

Specify the JDBC URL to use when making the database connection.

Connection User Name

Specify the database user name associated with the connection.

Connection Password

Specify the database user password associated with the connection.

Maximum Active Connections

Specify the maximum number of database connections allowed by this pool.

Initial Active Connections

Specify the initial connection pool size.

Additional Connection Properties

Specify comma delimited list of connection properties.

Database Schema

Specify the database schema to use for the connection.

JDBC Batch Write Size

Size of JDBC batch write size

SQL Profiling Enabled?

Setting to enable SQL profiling.

Mastering Database Configuration Parameters

Select *Databases* from the *Configuration* section of the Omni Console navigation pane. Select the *Mastering* tab to access the following parameters:

Database Driver Class

Specify the JDBC driver used to connect to the database.

Connection Url

Specify the JDBC URL to use when making the database connection.

Connection User Name

Specify the database user name associated with the connection.

Connection Password

Specify the database user password associated with the connection.

Maximum Active Connections

Specify the maximum number of database connections allowed by this pool.

Initial Active Connections

Specify the initial connection pool size.

Additional Connection Properties

Specify comma-delimited list of connection properties.

Consumption Database Configuration Parameters

Select *Databases* from the *Configuration* section of the Omni Console navigation pane. Select the *Consumption* tab to access the following parameters:

Database Schema

Specify the database schema to use for the connection.

JDBC Batch Write Size

Size of JDBC batch write size.

Database Driver Class

Specify the JDBC driver used to connect to the database.

Connection Url

Specify the JDBC URL to use when making the database connection.

Connection User Name

Specify the database user name associated with the connection.

Connection Password

Specify the database user password associated with the connection.

Maximum Active Connections

Specify the maximum number of database connections allowed by this pool.

Initial Active Connections

Specify the initial connection pool size.

Additional Connection Properties

Specify comma- delimited list of connection properties.

Managed Services Parameters

The Managed Services section enables you to control the relevant Omni-Gen services from a single console perspective, instead of accessing each service directly.

Controller Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Controller* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

HTTP/HTTPS Listener Port

Defines the HTTP/HTTPS port the server will listen for REST service calls.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting the this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Log Directory

Defines the location where controller log files will be written.

Service Console URL

Defines the REST console associated with this service.

Start-All at Start?

Enables starting all services after the Controller has started up.

Controller external startup arguments list path

Path to externalized arguments for the Controller command line.

Server Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Server* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

HTTP Listener Port

Defines the HTTP port the server will listen on for REST service calls.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting the this service.

JVM Process Classpath

Defines the classpath used when starting this service.

DQ Listener Port

Defines the port the server will use to communicate with Data Quality services.

Log Directory

Defines the location where server log files will be written.

Cleansing Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Cleansing* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

Listener Port

Defines the port the service will listen on for data requests.

Listener Max Threads

Defines the maximum number of listener threads for servicing Data Quality requests.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Lookup Builder JVM Process Max Memory

Defines the maximum memory use allowable for running the lookup builder.

Lookup Builder JVM Arguments

Defines the JVM arguments to use when running the lookup builder.

Lookup Builder JVM Classpath

Defines the classpath used when running the lookup builder.

Matching Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Matching* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

Listener Port

Defines the port the service will listen on for data requests.

Listener Max Threads

Defines the maximum number of listener threads for servicing Data Quality requests.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Merging Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Merging* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

Listener Port

Defines the port the service will listen on for data requests.

Listener Max Threads

Defines the maximum number of listener threads for servicing Data Quality requests.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Workbench Cleansing Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Workbench Cleansing* tab to access the following parameters:

Workbench Auth Token

Authentication token for use with workbench services.

Service Name

Defines the name of this Omni service.

Listener Port

Defines the port the service will listen on for data requests.

Listener Max Threads

Defines the maximum number of listener threads for servicing Data Quality requests.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Lookup Builder JVM Process Max Memory

Defines the maximum memory use allowable for running the lookup builder.

Lookup Builder JVM Arguments

Defines the JVM arguments to use when running the lookup builder.

Lookup Builder JVM Classpath

Defines the classpath used when running the lookup builder.

Workbench Cleansing Logs

Location of workbench cleansing logs.

Service Startup Directory

Defines the directory that this service will be started from.

Workbench Data Quality Installation Location

Location of the Workbench Data Quality services installation.

OGC Tomcat Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *OGC Tomcat* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

JVM Process classpath

Defines the classpath for this JVM process.

Install Directory

Defines the directory where OGC is installed.

Host Name

Host name for the OGC machine.

HTTP Port

OGC HTTP Port.

Admin User Name

Admin user name.

Admin Password

Admin password.

OGC Java Home

OGC Java Home.

Log Directory

Defines the location where OGC log files will be written.

HTTP Protocol

Defines HTTP protocol as HTTP or HTTPS.

Shutdown Port

Defines the port that the server will listen on for a shutdown command.

AJP Port

Defines the port of AJP connector.

Redirect Port

Defines the port when requires SSL transport.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

Omni.Home

Defines the location of remediation data home.

imc provider type

Defines imc provider type.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Min Memory

Defines the minimum memory use allowable for this service.

domainOrDelimiter

domainOrDelimiter

DQM Service URL

DQM Service URL.

workbench.service.highlightsFilePath

workbench.service.highlightsFilePath

omnidomain.configPropertiesFile

omnidomain.configPropertiesFile

odataDomain.url

odataDomain.url

workbench.service.url

workbench.service.url

omniserver.url

omniserver.url

virtualClasspath

virtualClasspath

username

username

password

password

workflow url

workflow url

driver class name

driver class name

source.url

source.url

wfService.url

wfService.url

use.in.iframes.enabled

use.in.iframes.enabled

config db username

config db username

config db password

config db password

config db url

config db url

config db driver class name

config db driver class name

grouping config db username

grouping config db username

grouping config db password

grouping config db password

grouping config db url

grouping config db url

grouping config db driver class name

grouping config db driver class name

grouping config path

grouping config path

reposervice.username

reposervice.username

reposervice.password

reposervice.password

Column Based Authorization Enable

Column Based Authorization Enable

Row Criteria Based Authorization Enable

Row Criteria Based Authorization Enable

SSO Active

SSO Active

SSO User Domain

SSO User Domain

SSO DOMAIN_1

SSO DOMAIN_1

SSO DOMAIN_2

SSO DOMAIN_2

SSO DOMAIN_3

SSO DOMAIN_3

SSO keystore

SSO key manager storefile

SSO keystore password

SSO keystore password

metadata sp file

metadata sp file

metadata sp defaults local

metadata sp defaults local

metadata providers idp

metadata providers idp

OGC WS02 Services Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *OGC WS02* tab to access the following parameters:

WSO2 Host

Host of WSO2. Update this if not installed on the same machine as OGC.

WSO2 Console Port

WSO2 Console Port

RMI Registry Port

RMI Registry Port

RMI Server Port

RMI Server Port

LDAP Server Port

LDAP Server Port

KDC Server Port

KDC Server Port

TER Port

Thrift Entitlement Receive Port

WSO2 Administrator User Name

This value should be consistent with WSO2. Editing here will not affect the value stored in the WSO2 server.

WSO2 Administrator Password

This value should be consistent with WSO2. Editing here will not affect the value stored in the WSO2 server.

WSO2 Enabled

WSO2 Enabled

WSO2 Portal

WSO2 Portal

WSO2 Process Min Memory

Defines the minimum memory to use for WSO2.

WSO2 Process Max Memory

Defines the maximum memory to use for WSO2.

OGC DQMService Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *OGC DQMService* tab to access the following parameters:

Location of dqconfig.xml file

Defines the location of the dqconfig.xml file.

Data Reserved Fields

Data Reserved Fields.

OGC Remediation Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *OGC Remediation* tab to access the following parameters:

Remediation DB Type

Defines the DB Type for the Remediation tables.

Workflow sql

Defines the location of the workflow SQL.

Workflow metadata table

Workflow metadata table.

Flow domain URL

Flow domain URL.

Flow Omni URL

Flow Omni URL.

Default workflow case owner

Default workflow case owner.

Workflow route file

Workflow route file.

Workflow Cleansing File

Workflow cleansing scxml file.

Workflow Matching File

Workflow matching scxml file.

Workflow General File

Workflow general scxml file.

Workflow Path

Workflow path.

Flow SMTP URL

Flow SMTP URL.

Email Sender

Email Sender.

Workflow DB jndi

Workflow DB jndi.

Workflow DB context

Workflow DB context.

Action ActionSubmitProposeExt url

Action ActionSubmitProposeExt url.

Action ActionSubmitProposeExt method

Action ActionSubmitProposeExt method.

Flow Create OID URL

Flow Create OID URL.

Action ActionSubmitMatching url

Action ActionSubmitMatching url.

Action ActionSubmitMatching method

Action ActionSubmitMatching method.

Action ActionSubmitCleansing url

Action ActionSubmitCleansing url.

Action ActionSubmitCleansing method

Action ActionSubmitCleansing method.

Action ActionSubmitValidateExt url

Action ActionSubmitValidateExt url.

Action ActionSubmitValidateExt method

Action ActionSubmitValidateExt method.

Action integrationService url

Action integrationService url.

Action integrationService method

Action integrationService method.

Action SubmitNewDocumentExt url

Action SubmitNewDocumentExt url.

Action SubmitNewDocumentExt method

Action SubmitNewDocumentExt method.

Action FindGroupSupervisor group name

Action FindGroupSupervisor group name.

Action FindGroupSupervisor group prefix

Action FindGroupSupervisor group prefix.

Action FindGroupSteward group name

Action FindGroupSteward group name.

Action Default Role Prefix

Action Default Role Prefix.

Action User Has Access To Domain

Action User Has Access To Domain.

About path

About path.

SMTP hostname

SMTP hostname

SMTP port

SMTP port

SMTP Sender Address

SMTP Sender Address

SMTP username

SMTP username

SMTP password

SMTP password

SMTP enable SSL

SMTP enable SSL

notification.email.disabled

notification.email.disabled

Repository Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Repository* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

Http Port

Defines the port the server will listen to.

Shutdown Port

Defines the port that the server will listen for a shutdown command.

AJP Port

Defines the port of AJP connector.

Redirect Port

Defines the port when requires SSL transport.

JMX Port

Defines the JMX port of the repository server.

EMF Store Port

Defines the port of EMF store.

Log Directory

Defines the location where repository log files will be written.

HTTP Protocol

Define HTTP protocol as HTTP or HTTPS.

Repository service Tomcat server classpath

Defines the directory that this service will be started from.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

SVN URL

Defines the URL for the SVN repository.

SVN Username

Defines the user name for the SVN repository.

SVN Password

Defines the password for the SVN repository.

Git Repository url

Defines the URL of the Git repository.

Git Repository Local Checkout Directory

Defines the local filesystem directory where the branch of the Git repository will be checked out.

Git Repository Username

Defines the user name for the Git repository.

Git Repository Password

Defines the password for the Git repository.

Git Repository Email

Defines the default email for the Git repository.

Source Code Management (SCM) Type

Defines the type of the SCM repository (SVN or Git).

Deployment Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Deployment* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

HTTPS Listener Port

Defines the HTTPS port the server will listen on for REST service calls.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

JVM Process classpath

Defines the classpath for this JVM process.

JVM Process jar

Defines the runnable jar file for this JVM process.

Log Directory

Defines the location where server log files will be written.

HTTP Protocol

Define HTTP protocol as HTTP or HTTPS.

Elastic Search Configuration Parameters

Select *Managed Services* from the *Configuration* section of the Omni Console navigation pane. Select the *Elastic Search* tab to access the following parameters:

Service Name

Defines the name of this Omni service.

Host Name

Defines the name of the server hosting ElasticSearch.

Cluster Name

Defines the name of the cluster.

HTTP Listener Port

Defines the HTTP port of the ElasticSearch component.

Java API Port

Defines the port the Java API client uses for communication.

Elastic Search Locally Enabled

Elastic Search Locally Enabled.

JVM Process Max Memory

Defines the maximum memory use allowable for this service.

JVM Process Arguments

Defines the JVM arguments to use when starting this service.

Command Arguments

Defines the command arguments to use when starting this service.

JVM Process Classpath

Defines the classpath used when starting this service.

Index/View Data Directory

Directory where Elasticsearch indices and Kibana views are, if not set defaults to elasticsearch/data.

Transport Client Ping Timeout

The number of seconds a client to wait for a ping response from Elasticsearch.

Transport Client Ping Interval

The interval in seconds between two pings.

Number of Shards

Define the number of shards when an index is created.

Number of Replicas

Define the number of replicas when an index is created.

Shard Size

Shard Size.

Service Startup Directory

Defines the directory that these services will be started from.

Product Info Configuration Parameters

Select *Product Info* from the Configuration section of the Omni Console navigation pane to access the following parameters:

Product Edition

This is the product version.

Product Mode

This is the product mode.

License Key

The license key for the product.

Expiration Date

The expiration date for this license.

Feedback

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Omni Console User's Guide

Version 3.11

DN3502235.1119

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