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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:

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<th>Contents</th>
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</tr>
<tr>
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<td>Omni Console Parameters</td>
</tr>
</tbody>
</table>

Documentation Conventions

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

<table>
<thead>
<tr>
<th>Convention</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THIS TYPEFACE or this typeface</td>
<td>Denotes syntax that you must type exactly as shown.</td>
</tr>
<tr>
<td>this typeface</td>
<td>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.</td>
</tr>
<tr>
<td>underscore</td>
<td>Indicates a default setting.</td>
</tr>
<tr>
<td>Key + Key</td>
<td>Indicates keys that you must press simultaneously.</td>
</tr>
<tr>
<td>{}</td>
<td>Indicates two or three choices. Type one of them, not the braces.</td>
</tr>
</tbody>
</table>
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---

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

<table>
<thead>
<tr>
<th>Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System</td>
</tr>
<tr>
<td>OS Version</td>
</tr>
<tr>
<td>JVM Vendor</td>
</tr>
<tr>
<td>JVM Version</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Request/Question</th>
<th>Error/Problem Details or Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did the problem arise through a service or event?</td>
<td></td>
</tr>
<tr>
<td>Provide usage scenarios or summarize the application that produces the problem.</td>
<td></td>
</tr>
<tr>
<td>When did the problem start?</td>
<td></td>
</tr>
<tr>
<td>Can you reproduce this problem consistently?</td>
<td></td>
</tr>
<tr>
<td>Describe the problem.</td>
<td></td>
</tr>
<tr>
<td>Describe the steps to reproduce the problem.</td>
<td></td>
</tr>
<tr>
<td>Specify the error messages.</td>
<td></td>
</tr>
</tbody>
</table>
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

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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.
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.

<table>
<thead>
<tr>
<th>Toolbar Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start All</td>
<td>Starts all services that are not currently running.</td>
</tr>
<tr>
<td>Stop All</td>
<td>Stops all services that are currently running.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Toolbar Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restart All</td>
<td>Stops all services that are currently running, then starts all services.</td>
</tr>
</tbody>
</table>
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.

**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.
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.

![Command Line Tab Image]

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.

![Email Notification Tab Image]

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.

![Database Configuration Settings Table](image)

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.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Edition</td>
<td>MD_WEB_EDITION</td>
<td>This is the product version</td>
</tr>
<tr>
<td>Product Mode</td>
<td>DEVELOPMENT</td>
<td>This is the product mode</td>
</tr>
<tr>
<td>License Key</td>
<td>ZT5MgTbTV واودKuGqPLQ==:UsZCOrnUZ6yVDrqsa80[=aj</td>
<td>The license key for this product</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>unlimited_license</td>
<td>The expiration date for this license</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Toolbar Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install/Replace Bundle</td>
<td>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 <em>Install Bundle</em> or <em>Replace Bundle</em> if an existing bundle is available. <strong>Note:</strong> If a database exists, then it will be cleaned and all data will be lost.</td>
</tr>
<tr>
<td>Update Bundle</td>
<td>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. <strong>Note:</strong> The database is not cleaned.</td>
</tr>
</tbody>
</table>
### 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.

<table>
<thead>
<tr>
<th>Installed Bundle Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Name</strong></td>
</tr>
<tr>
<td><strong>Created By</strong></td>
</tr>
<tr>
<td><strong>Created Date</strong></td>
</tr>
<tr>
<td><strong>Release Number</strong></td>
</tr>
<tr>
<td><strong>Version</strong></td>
</tr>
<tr>
<td><strong>Installed Date</strong></td>
</tr>
<tr>
<td><strong>Release Notes</strong></td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Cleansed</th>
<th>Mastered</th>
</tr>
</thead>
<tbody>
<tr>
<td>SourceCodeMap</td>
<td>false</td>
<td>false</td>
</tr>
<tr>
<td>SourceCodeSet</td>
<td>false</td>
<td>false</td>
</tr>
<tr>
<td>SourceCodeStandard</td>
<td>false</td>
<td>false</td>
</tr>
<tr>
<td>cust</td>
<td>true</td>
<td>true</td>
</tr>
<tr>
<td>item</td>
<td>true</td>
<td>true</td>
</tr>
<tr>
<td>store</td>
<td>true</td>
<td>true</td>
</tr>
<tr>
<td>supp</td>
<td>true</td>
<td>true</td>
</tr>
</tbody>
</table>
Specific operations can be performed on a selected subject, as shown in the following image.

![Context Menu 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.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View Example</td>
<td>Views an example for the selected subject. For more information, see Example Viewer on page 33.</td>
</tr>
<tr>
<td>View XSD</td>
<td>Views the XML Schema Document (XSD) for the selected subject. For more information, see XSD Viewer on page 34.</td>
</tr>
<tr>
<td>Operation</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>View IDS</td>
<td>Views the Interface Document Specification (IDS) for the selected subject.</td>
</tr>
<tr>
<td></td>
<td>For more information, see <em>IDS Viewer</em> on page 35.</td>
</tr>
<tr>
<td>Download Documentation</td>
<td>Downloads the documentation for the selected subject. For more information,</td>
</tr>
<tr>
<td></td>
<td>see <em>Downloading Documentation</em> on page 35.</td>
</tr>
<tr>
<td>Reprocess Subject</td>
<td>Reprocesses the selected subject. When complete, a message displays in a</td>
</tr>
<tr>
<td></td>
<td>green banner at the top of the window indicating that the reprocessing of</td>
</tr>
<tr>
<td></td>
<td>the item was successful.</td>
</tr>
<tr>
<td>Process Test Subjects</td>
<td>Displays the processing menu for the selected subject. For more information,</td>
</tr>
<tr>
<td></td>
<td>see <em>Process Test Subject</em> on page 36.</td>
</tr>
</tbody>
</table>
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.

![IDS Viewer Image]

Downloading Documentation

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

![Download Documentation Image]
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.

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
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.
Configuration Parameters

- **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.
Managed Services Parameters

**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
Managed Services Parameters

**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:

**WS02 Host**
Host of WS02. Update this if not installed on the same machine as OGC.

**WS02 Console Port**
WS02 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.
Managed Services Parameters

**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.
Managed Services Parameters

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**

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