

# SOA Software: Policy Manager Configuration Categories and Settings

**SOA** | software™



## **SOA Software Policy Manager**

Policy Manager Configuration Categories and Settings (6.x, 7.x)

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## Chapter 1 | Introduction

This document provides general information and instructions to help you troubleshoot issues that might come up with your SOA software products. It also includes detailed information about the configuration categories and settings.

This chapter includes:

- Document Summary
- Customer Support
- Troubleshooting Resources and Tips
- Product Documentation

### Document Summary

The table below provides a summary of the information in this publication and how it is organized.

This chapter...	Provides this information...
1: Introduction	General information about information resources available, information about working with Support, general information about basic troubleshooting tools.
2: Configuration Categories and Settings	Information about each configuration category and its settings.

### Customer Support

This section provides information about working with SOA Software technical support, including:

- Contacting Technical Support
- Logging a Support Ticket
- Support Tickets: Customer Responsibilities
- Notes for Support Customers

#### **Contacting Technical Support**

If you experience an issue with an SOA product, you can contact SOA Support. SOA Software offers a variety of support services by email and phone. Support options and details are listed in the table below.

Support Option	Details
Email (direct)	support@soa.com
Phone	1-866-SOA-9876 (1-866-762-9876)
Email (via the website)	The Support section of the SOA Software website at

	<a href="https://support.soa.com/support">https://support.soa.com/support</a> provides an option for emailing product-related inquiries to our Support team. It also includes many product-related articles and tips that might help answer your questions.
Documentation Updates	We update our product documentation for each version. If you're not sure you have the latest documentation, send an email request to <a href="mailto:support@soa.com">support@soa.com</a> . Specify the product and version you're using.

For more information, visit <https://support.soa.com/support/>.

## **Logging a Support Ticket**

There are two ways to log a support ticket:

- Submit a ticket directly from the SOA Software Support site at <https://support.soa.com/support>.
- Send an email to [support@soa.com](mailto:support@soa.com).

When you log a support ticket, provide clear and specific details about the issue you are having, with as much background information as possible. Include the appropriate log files based on the type of issue being reported.

### ***To log an SOA support ticket***

- 1 Log in to the SOA Support site, using the credentials provided to your organization, at this address:

<http://support.soa.com>

- 2 On the Support home page, click **Submit a Ticket**.
- 3 Under **Select Department**, choose the product you need help with and then click **Next**.
- 4 Select the Priority/Severity of the issue. For definitions and guidance, refer to the general support policy, available at: <https://support.soa.com/docs/index.php?download=SupportOverview.doc>.
- 5 Provide all the required information. The specific information required might vary depending on the product for which you're reporting an issue. For example, you might need to provide:
  - Product version and update
  - Database version
  - Operating system (32/64-bit)
- 6 Provide a clear subject and description of the issue. If possible, include steps to reproduce your issue so that Support can troubleshoot it more effectively.
- 7 Attach log files, screen captures, or any other related files.

## **Support Tickets: Customer Responsibilities**

When logging a support ticket, please bear in mind these additional points and customer responsibilities:

- Please make sure that the issue is related to the SOA product. In some cases, issues are caused by other factors such as network, firewall, or security certificates.

- In case of a Production Critical issue, you can contact SOA Support immediately and one of our knowledgeable support staff will help you troubleshoot your problem and collect information for further diagnosis. If you are reporting the issue by email, specify in the subject line that it is Production Critical. A production critical issue is defined as follows:
  - Actual or potential complete failure of traffic on a critical route due to failure of a system or network element.
  - Complete or partial loss of visibility/control of network elements.
  - Loss or impairment of control/monitoring equipment.
- Document the scenario/steps to reproduce the issue. If it's not possible to reproduce the issue, explain what was happening at the time you experienced the issue and what then occurred.
- Provide the appropriate log files from all SOA containers that are involved in the request flow.
- Collect any other information that you think will be useful for SOA engineers to understand and troubleshoot the issue.
- Report the issue to SOA Support using one of the options listed earlier in this chapter.

### **Notes for Support Customers**

- 1 For the response time and actions taken based on ticket priority, refer to the Response Times table in the general Support Policy section of the Support Site.
- 2 If you urgently need a quick response (for example, in the case of a Production Critical issue), please call SOA Support, or submit a ticket and indicate it on the ticket.
- 3 If screen sharing or an online session is needed, please specify this in the ticket so that SOA Support can be prepared.
- 4 In the case of screen sharing or an online session, SOA Support may need to control the console to demonstrate how to resolve the issue.
- 5 If you allow SOA support to access your system directly, remember to also provide the needed access information such as VPN or authentication information.

## **Troubleshooting Resources and Tips**

This section provides information on basic tools and resources you can use, and steps you can take, to help determine the exact cause of an issue or to provide more information to SOA Support. It includes the following subsections:

- Monitoring Tabs: Alerts and Logs
- Log Files
- Knowledge Base
- Release Notes
- Monitoring Tool
- Restarting the Container: General Information

### **Monitoring Tabs: Alerts and Logs**

Monitoring information, including alerts and logs, is available at the following levels:



- For the entire organization
- For each container
- For each service
- For each contract

At each level, a monitoring tab gives you access to alerts, logs, and other information so that you can view the state of functions in real time.

## Organization Monitoring Tab

The highest level of monitoring information is available via the monitoring tab for an organization. This lets you view all logs and alerts sent by services and sub-organizations within the organization you are viewing.

This tab includes three types of alerts:

- Service Alerts
- SLA Alerts
- Container Alerts

If there is an error with one of your services, the monitoring tab is a good place to look first, to see if the alerts and log entries can help you identify the problem.

An example of the monitoring tab for an organization is shown below.

Request Date/Time	Operation	Response Time	Contract Name	Errors
09/11/2013 13:07:21.477	getPrices	91 ms	anonymoose	None
09/11/2013 13:07:21.470	getPrices	3 ms	anonymoose	Authentication challenge issued
09/11/2013 13:07:06.947	getPrices	1687 ms	anonymoose	Connection refused: connect
09/11/2013 13:07:06.923	getPrices	20 ms	anonymoose	Authentication challenge issued
09/11/2013 12:54:39.437	getPrices	120849 ms	anonymoose	Read timed out
09/11/2013 12:54:39.420	getPrices	16 ms	anonymoose	Authentication challenge issued
09/11/2013 11:03:57.747	getPrices	127066 ms	anonymoose	Read timed out
09/11/2013 11:02:03.307	getPrices	120744 ms	anonymoose	Read timed out
09/11/2013 11:03:57.740	getPrices	4 ms	anonymoose	Authentication challenge issued
09/11/2013 11:02:03.300	getPrices	5 ms	anonymoose	Authentication challenge issued
09/11/2013 10:58:12.820	getPrices	982 ms	anonymoose	None
09/11/2013 10:58:12.780	getPrices	37 ms	anonymoose	Authentication challenge issued
09/11/2013 10:54:58.683	getPrices	120692 ms	anonymoose	Read timed out
09/11/2013 10:54:58.667	getPrices	5 ms	anonymoose	Authentication challenge issued
09/11/2013 10:54:41.990	getPrices	3 ms	anonymoose	Authentication challenge issued
09/11/2013 10:51:40.967	getPrices	164496 ms	anonymoose	Read timed out
09/11/2013 10:50:24.23	getPrices	120726 ms	anonymoose	Read timed out

## Service-Level Monitoring Tab

Each service also has its own monitoring tab, with alerts and logs relating only to that service and its operations, as shown below.

If the basic auditing policy is being used, the Monitoring -> Logs tab also shows usage data for the service. However, as a best practice this should only be used while troubleshooting or in non-production environments as the payload data is stored in the database.

The screenshot displays the 'Service-Level Monitoring' interface for the service 'PriceAndAvailability\_v2\_6\_Service\_vs0'. The top navigation bar includes tabs for DASHBOARD, WORKBENCH, ALERTS, SECURITY, AUDITING, and CONFIGURE. A red arrow points to the CONFIGURE tab. Below this, a sub-navigation bar shows tabs for Details, Operations, Bindings, Access Points, Categories, Rules, and Monitoring. The Monitoring tab is selected, and a red circle highlights the sub-tabs: Alerts, Logs, Real-Time Charts, Historical Charts, and Dependencies. The main content area features a table of alerts with columns: Del, Obs, Res, Code, Received, Severity, and Description. The table lists various alerts with codes like 76207 and 9002, and descriptions like 'Authentication challenge issued' and 'Request timeout'. There are also filter sections for ID, Time Range, Severity, and State.

Del	Obs	Res	Code	Received	Severity	Description
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 13:07:21	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9002	09/11/2013 13:07:08	Critical	Connection refused.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 13:07:06	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 12:56:40	Critical	Request timeout.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 12:54:39	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 11:06:04	Critical	Request timeout.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 11:04:04	Critical	Request timeout.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 11:03:57	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 11:02:03	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 10:58:12	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 10:56:59	Critical	Request timeout.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 10:54:58	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 10:54:42	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 10:54:25	Critical	Request timeout.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 10:52:24	Critical	Request timeout.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 10:51:40	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76207	09/11/2013 10:50:24	Minor	Authentication challenge issued.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9004	09/11/2013 10:42:58	Critical	Request timeout.

If the detailed auditing policy is being used, you can also view the request and response payload in the Logs tab. Double-click a specific message to see the Usage Data Details overlay. This includes usage detail, recorded messages, and transaction events. In the Recorded Messages tab you can see the individual request and response message. You can also choose to view Raw Format, which includes the HTTP headers. An example is shown below.

Usage Detail Recorded Messages Transaction Events

Below is a list of the SOAP messages associated with the Usage record summarized above. Click on any record to see the corresponding message.

Message Date/Time	Record Name	Type
09/26/2013 23:32:14	APPLICATION	Complete request
09/26/2013 23:32:14	DOWNSTREAM	Complete request
09/26/2013 23:32:14	DOWNSTREAM	Complete response
09/26/2013 23:32:14	APPLICATION	Complete response

**Message Details** Raw Format (Includes HTTP Headers): ☒ ☒

```
POST /AccountManagerService_v8 HTTP/1.1
Accept-Encoding: gzip,deflate
Content-Type: text/xml; charset=UTF-8
SOAPAction: ""
Content-Length: 237
Host: win200864spt-1.soa.local:9005
Connection: keep-alive
User-Agent: Apache-HttpClient/4.1.1 (java 1.5)

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:acc="http://wsdlVAccountManagerDocLiteral/Wrapped">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:listAccounts/>
  </soapenv:Body>
</soapenv:Envelope>
```

## Monitoring Tab for the Container

If there is an issue with a specific container, alerts are displayed in the container's monitoring tab as well. You also see the container alerts when you log in to the Policy Manager console.

The example below shows the monitoring tab for a container.

Organization Tree

- Registry
  - Discovered Services
    - Services
      - Contracts
        - Policies
          - Containers
            - ND6116

ND6116

ID	Message	Time	Details
1113	Unresponsive Container now Active.	09/13/2013 17:48:54	9955
	Container ND6116 back active		- select -
1112	Container Unresponsive.	09/13/2013 17:47:53	9954
	Container (ND6116) not active		- select -
1079	Unresponsive Container now Active.	09/11/2013 08:49:47	9955
	Container ND6116 back active		- select -
1078	Container Shutdown.	09/04/2013 14:29:05	9953
	Container ND6116 shutdown		- select -
1069	Container Started.	09/04/2013 08:36:53	9952
	Container (ND6116) started		- select -
1068	Unresponsive Container now Active.	09/04/2013 08:36:15	9955
	Container ND6116 back active		- select -
1067	Unresponsive Container now Active.	09/04/2013 07:40:15	9955
	Container ND6116 back active		- select -
1066	Container Unresponsive.	09/04/2013 07:38:54	9954
	Container (ND6116) not active		- select -
1002	Container Started.	08/28/2013 08:26:53	9952
	Container (ND6116) started		- select -
1001	Unresponsive Container now Active.	08/28/2013 08:26:52	9955
	Container ND6116 back active		- select -

Observe Resolve Unresolve Details 1-10

In some cases the information on the monitoring tab can help you discover a deeper error occurring within the container or service.

The next step in troubleshooting an instance is to make use of the logging system.

## Monitoring Tab for the Contract

A monitoring tab is also available for each contract, giving access to the logs applicable to the contract.

## **Log Files**

By default, Policy Manager and Network Director only log errors (exceptions) that happen over the course of normal usage. If you are having any runtime processing errors or issues while performing some action in the Policy Manager console, applicable errors will generally be logged in the log file for the applicable container.

This section includes the following information about log files:

- File Location
- Modifying the Default Logging Behavior
- Turning Trace Logging On
- Determining Where to Look for Error Information

**Note:** There is another type of log that you can enable if needed. In the Policy Manager Admin Console, Configuration tab, choose the configuration category of com.soa.transport.jetty and enable the NCSA Access log (set the ncsa.access.log.enable property to **true**). Then, in the ncsa.access.log.filename field, specify the location for the log file. After that, access to any page in the Policy Manager Console or Admin Console generates an entry to the specified log file.

### ***File Location***

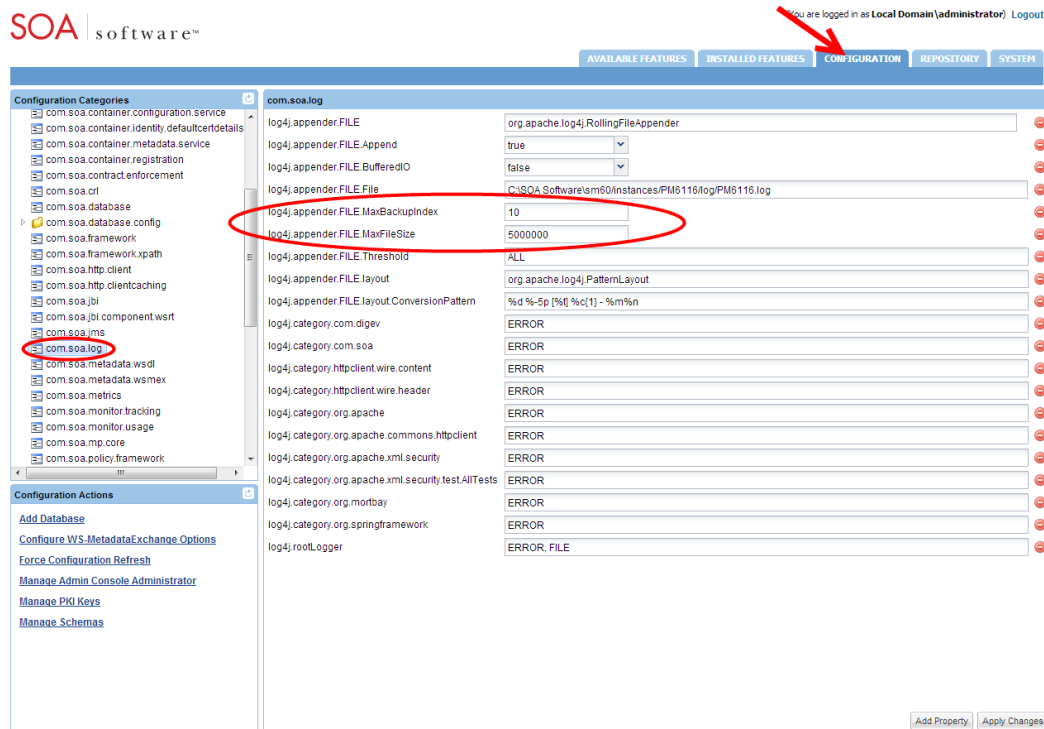
Each instance has its own set of logs at the following default location:

```
<installation directory>/sm60/instances/<instance name>/log
```

The default behavior for the logging system is to have a maximum of ten backup logs at 4.7 MB (5000000 bytes) each. When a log reaches 4.7 MB in size, the logging information rolls over into the next file. Once the total number of log files reaches 10, the oldest file is deleted when the new one starts.

### ***Modifying the Default Logging Behavior***

You can modify the default settings for logging behavior, along with the level of logging and other customization, in the Policy Manager Admin Console and in the Network Director Admin Console.



## To modify the default logging behavior

- 1 Log in to the Policy Manager Admin Console or Network Director Admin Console.
- 2 Click the **Configuration** tab.
- 3 From the configuration categories on the left, find **com.soa.log**.
- 4 In the properties panel on the right, the two properties below control the number of backups and/or the maximum size for each log file. Modify as needed:
  - log4j.appender.FILE.MaxBackupIndex: the number of backup files that are kept
  - log4j.appender.FILE.MaxFileSize: the maximum size for each file
- 5 Click Apply Changes.

## Turning Trace Logging On

If a problem with a container persists, you could enable trace logging in the Admin Console. Trace logging is enabled dynamically and does not require a container restart.

Depending on the category for which trace logging is enabled, detailed information is collected in the log file, including such activity as:

- Internal SOA to SOA container communication
- Database queries
- Incoming requests
- Certificate information
- Scheduled jobs

When the troubleshooting is complete, trace logging for the specific category should set back to the default setting of **error**.

A good practice is to figure what action is causing specific symptoms in the container, and turn on trace logging only while that action is occurring. For example, if a service detail page is coming up blank, you might want to see what Policy Manager is doing when you click on the service detail page. You would set the logging level to **trace**, click on the service detail page, and then change the level back to **error** and analyze the logs.

### ***To turn trace logging on or off***

- 1 Log in to the Policy Manager Admin Console or Network Director Admin Console.
- 2 Click the **Configuration** tab.
- 3 From the configuration categories on the left, find **com.soa.log**.
- 4 In the properties panel on the right, modify this property to enable or disable trace for all runtime activity on the container:
  - To enable: log4j.category.com.soa: Switch from ERROR to TRACE
  - To disable: log4j.category.com.soa: Switch from TRACE to ERROR
- 5 Click Apply Changes.

### **stdout.txt File**

If there is an issue with the bundles not starting, you can check the stdout.txt file to get additional information for troubleshooting purposes.

This file is created whenever the container starts up. It is stored in the instances folder (instances/<container name>/log/stdout.txt).

Normally the file contains a one-line message stating that the bundles have started. However, if the bundles fail to load, the errors that occur during the container initialization process are recorded in this file. Errors relating to bundles loading do not appear in the Policy Manager log files, since logging of messages starts when the container has started.

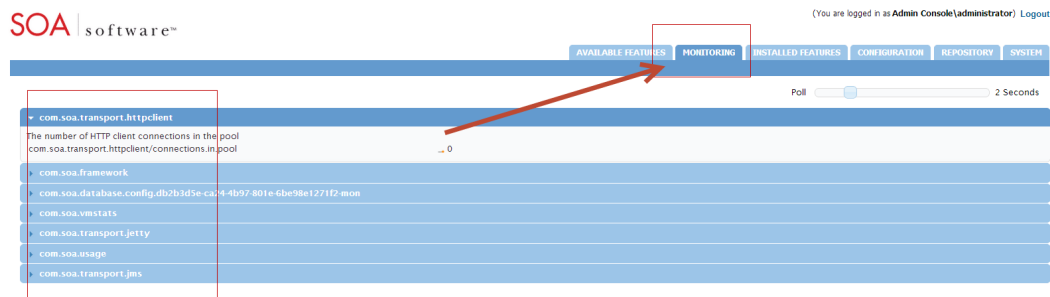
### **Monitoring Tool**

All Policy Manager 6.x containers include an optional Monitoring Tool to help troubleshoot issues related to the container resources. It is not installed by default but you can easily install it. You can use this tool to monitor and analyze the following:

- Incoming HTTP connections (com.soa.transport.httpclient)
- Database thread pool (com.soa.database.config.<db-config-id>-mon)
- Active/idle Policy Manager processes (com.soa.framework)
- Container memory usage (com.soa.vstats)
- Outgoing HTTP connections (com.soa.transport.jetty)
- Monitoring queues (com.soa.usage)
- JMS connections (com.soa.transport.jms)

## To install the monitoring tool

- 1 Log in to the Policy Manager Admin Console or Network Director Admin Console.
- 2 Click the Available Features tab.
- 3 From the **Filter** drop-down list at the top of the left panel, choose **Tool**.
- 4 Click the checkbox for the SOA Software Admin Monitoring Tool and click **Install Feature**.
- 5 Restart the container.
- 6 After restart, verify that the Monitoring tab is now present in the Admin Console, as shown below.



**Note:** This tool does not require additional machine or container resources to run. Before closing the tool, set the polling interval to 0.

## Restarting the Container: General Information

Some types of changes that you might make will require restarting of the container before the changes go into effect. Other types of changes are effective immediately, without restarting the container.

In most cases, specific procedures and issue resolution notes in this document state whether you need to restart the container or not. In general, configuration changes do not require restart unless they include changes to the container listener or database. If you add or remove container features you'll need to restart the container for the changes to go into effect.

Examples of changes that require restart:

- Adding the monitoring tool in the Policy Manager Admin Console
- Changing database properties such as username, password, or hostname
- Changing the port number for the container listener (for Policy Manager versions 6.0 and prior)

Examples of changes that do not require restart:

- Increasing the log level to **TRACE**
- Adding an HTTP route configuration file to the /instances/<ND>/deploy folder
- Adding an identity system such as LDAP to the Policy Manager Workbench
- Changing the port number for the container listener (for Policy Manager version 6.1)

## Determining Where to Look for Error Information

When trying to narrow down information for troubleshooting purposes, it might be useful to know what symptoms are likely to relate to which container types.

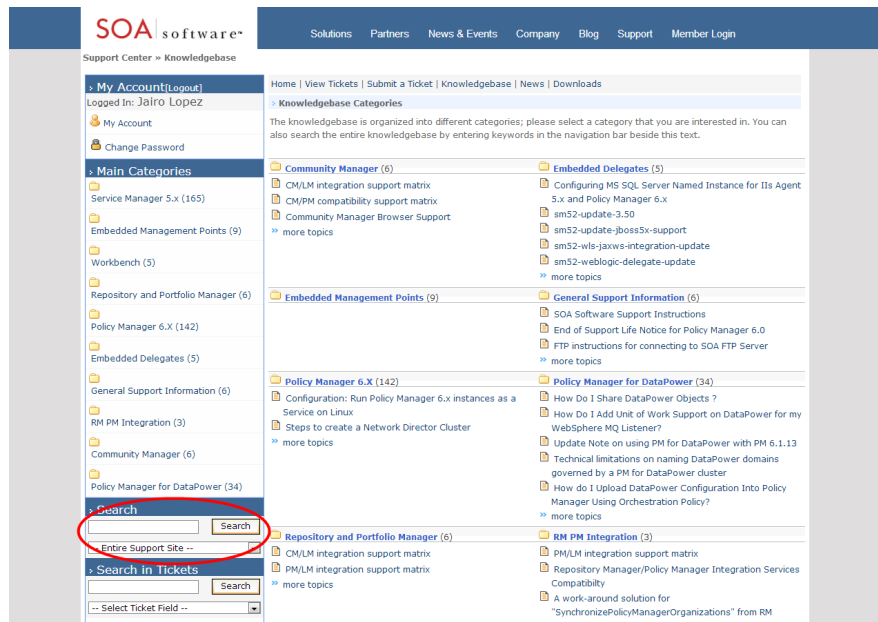
You might find info about these types of errors...	In this location...
Issues with the Policy Manager (for example, usage writer or container configuration), user interface issues, search results, and some database issues.	Policy Manager log files. These types of issues are generally a problem with the Policy Manager instance.
404 when invoking a service, bad context paths, virtual service authentication errors, authorization errors, or routing issues.	Network Director log files. Possibly also Policy Manager log files. These issues are likely to relate to the Network Director. However, since the Network Director communicates with the Policy Manager to retrieve information, in many cases the Policy Manager logs are helpful as well.
Container initialization.	stdout console or the stdout file. Any errors that occur during the container initialization process are written to stdout.

## **Knowledge Base**

The SOA Software knowledge base, <http://support.soa.com>, includes many type of information such as:

- Configuration settings
- Specific problems and their resolution
- Supported versions
- Tuning information
- Known issues and workarounds
- Tips and tricks

The knowledge base home page is shown below.



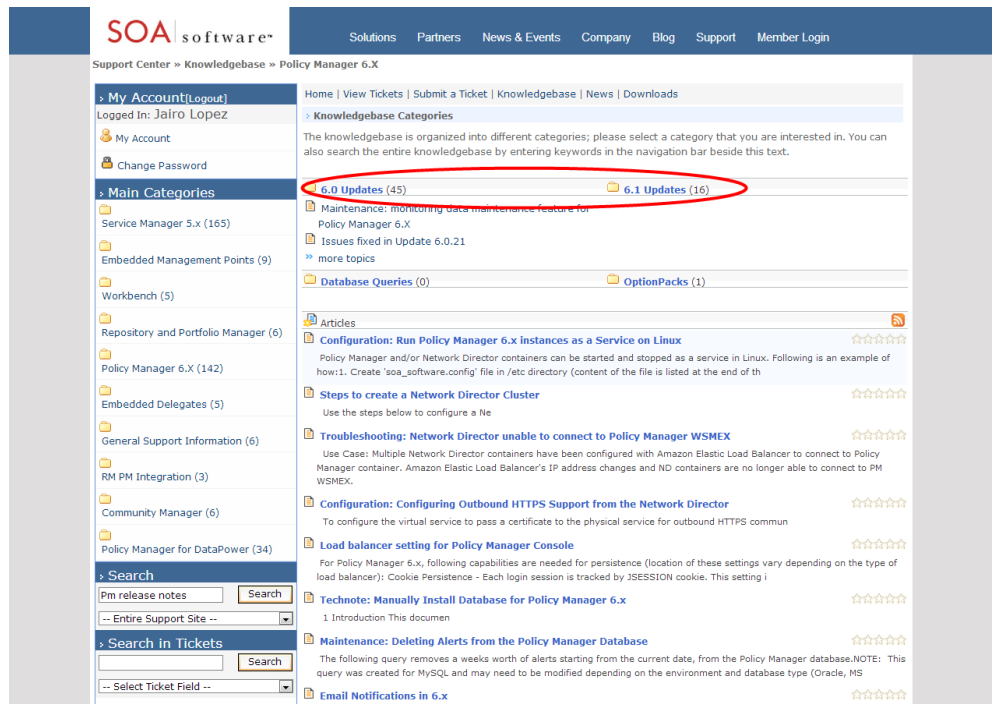


## Release Notes

It's possible that you could encounter a bug that might have been resolved in a later version of the product. For this and other reasons, it's a good idea to check the release notes for versions later than yours.

The release notes for each product version include information about the bugs/issues that have been fixed in that version, as well as information about new product features and enhancements. You might find that the problem you encountered was resolved in a later version.

To view release notes, go to the knowledge base at <http://support.soa.com>. Click on the category for your product—for example, Policy Manager 6.x—and choose the applicable version update section, as shown below.



You will see a summary of the release notes for every version. Just browse through any versions newer than yours to see if the issue has been fixed in an upgrade.

In addition, a summary of the issues that were fixed in each update is included in a text file located in the `./sm60/docs` directory.

## Product Documentation

When you download your installation executable files, make sure you get and read the product documentation. The documentation for each product includes general information about installation and often includes troubleshooting information for the specific product.

Updates to documents are available from time to time on the Support site.

## Chapter 2 | Configuration Categories and Settings

This section provides a brief explanation of the various configuration categories and settings in Policy Manager. In many cases, the solution to a specific issue is to modify a configuration setting. This section describes the settings that are available.

### ***To access the configuration categories***

- 1 Log in to the *SOA Software Administration Console*.
- 2 Click the **Configuration** tab.

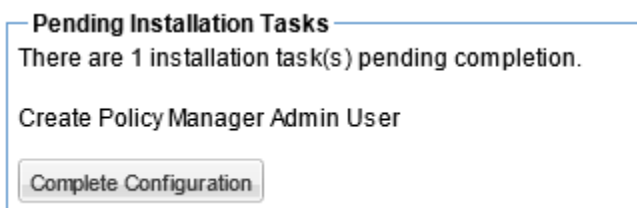
The *Configuration Categories* are in the left panel.

### ***com.soa.admin.console.login***

Used to enable / disable the Policy Manager Admin User account. If you initially defined this account as part of the Policy Manager installation process via the *Create Policy Manager Admin User* function, this configuration category will be set to **True**.

If the admin user account does not get created (e.g., the wizard is bypassed during the Policy Manager installation, you are installing the database manually, etc.), the configuration category setting will be set to **False**. You can also set it to **False** manually if you would like create a new admin user account and overwrite the existing one.

When the configuration category is set to **False**, the *Create Policy Manager Admin User* task displays in the *Installed Features* section. Select **Complete Configuration** to define a new admin user account.



### ***Running Admin Console and Policy Manager on Two Separate Interfaces on the Same Machine***

To run the *SOA Software Administration Console* and Policy Manager or hosted services on multiple network interfaces with optional restriction to just the specified ports make the following configuration changes:

Change the ports for the *SOA Software Administration Console* using the following options in:

```
/<release directory>/instances/<Container>/system.properties:
```

```
org.osgi.service.http.port=9903
```

Add the following values if not already present:

```
org.osgi.service.http.port.secure=9446
com.soa.http.bind.all=true
com.soa.http.bind.all.secure=true
```

You can then restrict the *SOA Software Administration Console* to **JUST** the ports specified above by specifying the following in the *Configuration > Configuration Categories*:

```
com.soa.admin.console -> admin.console.access.restricted=true
```

### **com.soa.admin.container**

Used to enable basic authentication for the Policy Manager Admin User account. If this configuration category is set to **False**, you will not be able to log into the *SOA Software Administration Console*.

### **com.soa.auz.client**

Configuration of the authorization client.

#### **cached.auz.decision.service.cacheTimeout**

The time, in seconds, for which authorization decisions will be cached/refreshed.

Default: 60

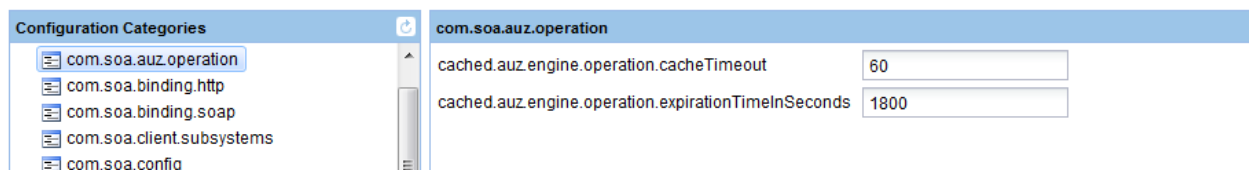
#### **cached.auz.decision.service.expirationTimeInSeconds**

The time, in seconds, after which authorization decisions are expired if not used even once.

Default: 1800

### **com.soa.auz.operation**

Configuration settings for caching in the authorization engine. These settings control caching, so they are important for speed of message handling.



#### **cached.auz.engine.operation.cacheTimeout**

Cache Timeout: The time, in seconds, after which authorization decisions will timeout.

Default: 60

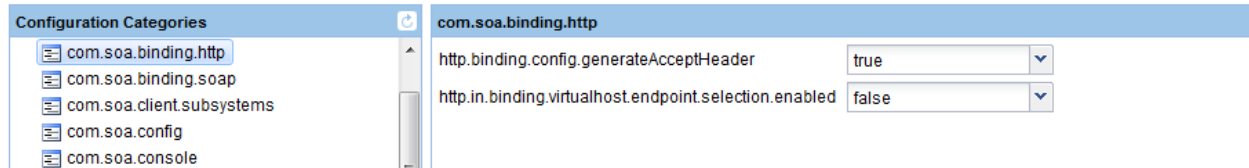
#### **cached.auz.engine.operation.expirationTimeInSeconds**

Cache Timeout: The time, in seconds, after which authorization decisions are expired if not used.

Default: 1800

## **com.soa.binding.http**

Configuration of the HTTP binding components. These settings are used when sending or receiving HTTP messages.



### **http.binding.config.generateAcceptHeader**

Enables or disables generation of Accept headers to downstream services based on the WSDL of the target service.

Default: true

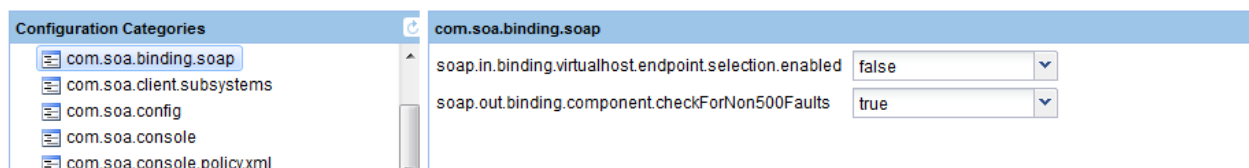
### **http.in.binding.virtualhost.endpoint.selection.enabled**

Enables or disables support for using virtual hosts to distinguish between HTTP endpoints. If set to true, two HTTP operations can both use the same path with a different host name; for example, `http://myhost.com/api` and `http://yourhost.com/api`.

Default: false

## **com.soa.binding.soap**

Configuration settings for SOAP binding components. These settings are used when sending or receiving SOAP messages.



### **soap.in.binding.virtualhost.endpoint.selection.enabled**

Enables or disables support for using virtual hosts to distinguish between SOAP endpoints. For example, two SOAP services can both use the same path with a different host name; for example, `http://myhost.com/service` and `http://yourhost.com/service`.

Default: false

### **soap.out.binding.component.checkForNon500Faults**

Checks for faults in messages other than 500. Per the SOAP specification, fault messages should have a status code of 500; this setting is here for interoperability purposes. Indicates that the system should check for faults returned in messages with status codes other than 500. If this setting is changed, the system must be restarted for the change to take effect.

Default: true

## **com.soa.client.subsystems**

Configuration settings for communications with the Policy Manager and Alert Manager services.

When alerts are generated, they are sent to Policy Manager in an out of band thread so that we don't log the request and then send the alert. We log alerts to a different queue. If there are issues with alerts you might need to modify these settings.

Configuration Categories	com.soa.client.subsystems
com.soa.client.subsystems	
com.soa.config	
com.soa.console	
com.soa.console.policy.xml	
com.soa.console.xss	
com.soa.container.configuration.service	

com.soa.client.subsystems	
alert.queue.capacity	500
alert.reporter.maxThreads	1
pm.client.cache.cacheExpirationSecs	300

### **Alert Queue Size (alert.queue.capacity)**

The size of the alert queue. Alerts are delivered asynchronously.

Default: 500

### **Alert Writer Threads (alert.reporter.maxThreads)**

The number of threads available for writing alerts.

Default: 1

### **PM Client Cache Expiration in Seconds (pm.client.cache.cacheExpirationSecs)**

The time, in seconds, before a cached security credential (such as a certificate or SAML assertion) that is returned from the Policy Manager service expires and must be refreshed.

Default: 300

## **com.soa.config**

General configuration settings. These are only for viewing; do not change these settings.

Configuration Categories	com.soa.config
com.soa.config	
com.soa.console	
com.soa.console.policy.xml	
com.soa.console.xss	
com.soa.container.configuration.service	
com.soa.container.identity.defaultcertdetails	
com.soa.container.metadata.service	
com.soa.container.registration	
com.soa.contract.enforcement	
com.soa.crl	
com.soa.database	
com.soa.database.config	
com.soa.framework	
com.soa.framework.xpath	
com.soa.http.client	
com.soa.http.clientcaching	
com.soa.jbi	
com.soa.jbi.component.wsr	
com.soa.jms	

com.soa.config	
container.administrator	administrator
container.administrator.passwd	5BAA61E4C9B93F3F0682250B6CF8331B7EE68FD8
container.creation.tm	1375306136941
container.key	5dac28ad-8cf1-4559-96fe-3d33cfe0
container.name	pm
container.onetime.pass	0E7975E375F003AF043FFF92F04A2339332182D2
container.type	standalone
context.path	
product.home	file:/C:/soa/prostall/pm61/sm60/
product.home.dir	C:\soa\prostall\pm61\sm60
product.version	6.1.14.985
session.timeout	3600

### **container.administrator**

The user ID for the Admin Console.

The Admin Console has a temporary local internal identity store of its own, containing one administrator account. You need the username and password to log into the Admin Console, and you must log into the Admin Console to configure the database. The Admin Console identity store allows a way for you to reset the password should the only admin login be lost or forgotten.

In general usage, it's best to use the local domain user IDs, and reserve this user ID and password only for the Admin Console.

**container.administrator.passwd**

The password for the Admin Console. See above.

**container.creation.tm**

The container creation timestamp.

**container.key**

The container key.

**container.name**

The name of the container.

**container.onetime.pass**

The one-time password used for initial login by the Admin user.

**container.type**

The type of the container; for example, standalone.

**context.path**

The context path of the Admin Console (prefix to the /admin path).

**product.home**

The installation location for the product, expressed as a URL.

**product.home.dir**

The installation location for the product, expressed as a filesystem path.

**product.version**

The product version number, including the build number.

**session.timeout**

Session timeout value, in milliseconds, for the Admin Console.

**com.soa.console**

Configuration settings relating to the Policy Manager console.

**Configuration Categories**

- com.soa.console
  - com.soa.console.policy.xml
  - com.soa.console.xss
  - com.soa.container.configuration.service
  - com.soa.container.identity.defaultcertdetails
  - com.soa.container.metadata.service
  - com.soa.container.registration
  - com.soa.contract.enforcement
  - com.soa.crl
  - com.soa.database
  - com.soa.database.config
  - com.soa.framework
  - com.soa.framework.xpath
  - com.soa.http.client
  - com.soa.http.clientcaching
  - com.soa.jbi
  - com.soa.jbi.component.wsrt
  - com.soa.jms
  - com.soa.log
  - com.soa.metadata.wedl

**Configuration Actions**

- [Add Database](#)
- [Configure WS-MetadataExchange Options](#)
- [Force Configuration Refresh](#)
- [Manage Admin Console Administrator](#)
- [Manage PKI Keys](#)
- [Manage Schemas](#)

**com.soa.console**

CHARTS.AVGPERFTIMEBYOP.TYPE	line
CHARTS.AVGPERFTIMEBYOP.XAXISTITLE	Time
CHARTS.AVGPERFTIMEBYOP.YAXISTITLE	Avg Response Time (ms)
CHARTS.AVGPERFTIMEBYSRV.TYPE	line
CHARTS.AVGPERFTIMEBYSRV.XAXISTITLE	Time
CHARTS.AVGPERFTIMEBYSRV.YAXISTITLE	Avg Response Time (ms)
CHARTS.USAGEBYOP.TYPE	bar
CHARTS.USAGEBYOP.XAXISTITLE	Time
CHARTS.USAGEBYOP.YAXISTITLE	Hits
CHARTS.USAGEBYOPS.COMPONENT	Usage
CHARTS.USAGEBYOPS.LEVEL	Service
CHARTS.USAGEBYOPS.TYPE	pie
CHARTS.USAGEBYSRV.TYPE	bar
CHARTS.USAGEBYSRV.XAXISTITLE	Time
CHARTS.USAGEBYSRV.YAXISTITLE	Hits
CHARTS.USAGEBYUSER.LEVEL	Operation
CHARTS.USAGEBYUSER.TYPE	data
CHARTS.USAGEBYUSER.XAXISTITLE	Time
QuickSearch.enabled	false
USER.PERSPECTIVE.DEFAULT	organization
schemas.dir	C:\soa\prosta\pm61sm60/schemas
workbench.search.performAutoSearch	true

**CHARTS.AVGPERFTIMEBYOP.TYPE**

No longer used.

**CHARTS.AVGPERFTIMEBYOP.XAXISTITLE**

No longer used.

**CHARTS.AVGPERFTIMEBYOP.YAXISTITLE**

No longer used.

**CHARTS.AVGPERFTIMEBYSRV.XAXISTITLE**

No longer used.

**CHARTS.AVGPERFTIMEBYSRV.YAXISTITLE**

No longer used.

**CHARTS.USAGEBYOP.TYPE**

No longer used.

**CHARTS.USAGEBYOP.XAXISTITLE**

No longer used.

**CHARTS.USAGEBYOP.YAXISTITLE**

No longer used.

**CHARTS.USAGEBYOPS.COMPONENT**

No longer used.

**CHARTS.USAGEBYOPS.LEVEL**

No longer used.

**CHARTS.USAGEBYOPS.TYPE**

No longer used.

**CHARTS.USAGEBYSRV.TYPE**

No longer used.

**CHARTS.USAGEBYSRV.XAXISTITLE**

No longer used.

**CHARTS.USAGEBYSRV.YAXISTITLE**

No longer used.

**CHARTS.USAGEBYUSER.LEVEL**

No longer used.

**CHARTS.USAGEBYUSER.TYPE**

No longer used.

**CHARTS.USAGEBYUSER.XAXISTITLE**

No longer used.

**QuickSearch.enabled**

If set to true, the QuickSearch feature in the Policy Manager Console (at the top of the Organization Tree) is automatically enabled.

**USER.PERSPECTIVE.DEFAULT**

Default workbench tree perspective. Valid values: **organization** or **category**.

**schemas.dir**

Directory location for the default out-of-box schemas loaded during startup.

**workbench.search.performAutoSearch**

If set to true, the Workbench search feature is automatically enabled.

**com.soa.cluster**

Configuration of cluster node synchronization.

**Enable Cluster Replication (cluster.replication.enabled)**

Indicates whether cluster replication is enabled for the node.

Default: false

**Master Node Hostname (master.node.hostname)**

The master node hostname or IP. This is used by slave nodes to contact the master in order to retrieve synchronization data.



**Master Node Port (master.node.port)**

The master node port used to retrieve the node descriptor.

**Excluded Configurations (excluded.configs)**

The config admin PIDs that should not be exposed to other cluster members or consumed by this node. Note that changing these values can have serious consequences for the behavior of a container in the SOA framework.

Default: com.soa.log com.soa.container.identity\* com.soa.admin.console\*

**Node Descriptor Path (node.descriptor.path)**

The path on the master node used to publish and consume node descriptors.

Default: /admin/cluster/publish/state

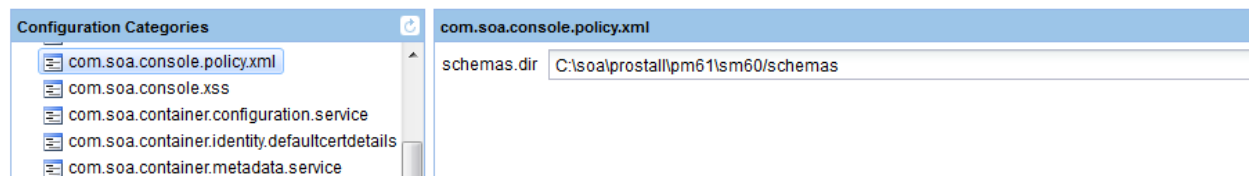
**Poll Interval (poll.interval)**

The poll interval for slave nodes, in milliseconds. This determines how often the slave polls the master for state information.

Default: 4000

**com.soa.console.policy.xml**

Configuration of the XML policy handler.

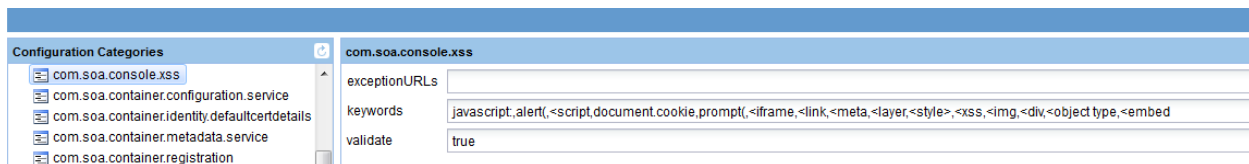
**schemas.dir**

The filesystem directory containing the XML schema files.

Default: \${product.home.dir}/schemas

**com.soa.console.xss**

Configuration settings for cross-site scripting for the Workbench console.

**exceptionURLs**

The URLs that are acceptable for cross-site scripting.

**keywords**

Keywords that it will search for, and will reject if the request parameters have any of these keywords.

**validate**

Indicates whether cross-site scripting is enabled.

**com.soa.container.configuration.service**

Configuration of the container refresh properties.

com.soa.container.configuration.service	
container.config.polling.service.reportReconfiguring	true
container.config.polling.service.retryLimit	1800
container.refresh.job.enabled	true
container.refresh.trigger.repeatInterval	15000
container.refresh.trigger.startDelay	15000

**Report Reconfiguring Container State (container.config.polling.service.reportReconfiguring)**

Indicates container reconfiguring should be reported. If set to false, once initial configuration is completed the container config job will always report com.soa.container.configuration.configured.

Default: true

**Retry Time Limit (container.config.polling.service.retryLimit)**

Timeout (in seconds) controlling how long a failure to obtain configuration data from Policy Manager should be retried.

For example, let's say Network Director is started but Policy Manager is shut down while Network Director is retrieving its configuration data. Some virtual services may not be deployed due to errors while the Policy Manager is restarting. By default, it keeps trying to retrieve the required information to deploy the failed virtual services for 30 minutes. After 30 minutes it gives up.

Default: 1800

**Enable Refresh (container.refresh.job.enabled)**

Indicates whether the refresh job is enabled or disabled. If the refresh job is disabled, service policy and other configuration information will not be updated for this container.

Default: true

**Refresh Interval (container.refresh.trigger.repeatInterval)**

The interval in milliseconds between configuration updates.

By default, Network Director keeps polling for the container configuration every 15 seconds. If the container configuration rarely changes you can make this interval longer.

Default: 15000

**Start Delay (container.refresh.trigger.startDelay)**

The time in milliseconds between when the container is started and when container updates will begin.

Default: 15000 (15 seconds)

## **com.soa.container.identity**

Configuration of the container identity. These are only for viewing; do not change the settings.

### **Private Key (privatekey)**

The container private key as a Base64-encoded value.

### **Container Public Key (publickey)**

The container public key as a Base64-encoded value.

### **Certificate Chain (cert)**

The container certificate chain. Each certificate is Base64-encoded. Certificates are separated by a comma character (,).

## **com.soa.container.identity.defaultcertdetails**

Configuration information for the default values used when creating the container certificate.

Configuration Categories	com.soa.container.identity.defaultcertdetails
com.soa.container.identity.defaultcertdetails	com.soa.container.identity.certificate.default.C
com.soa.container.metadata.service	US
com.soa.container.registration	com.soa.container.identity.certificate.default.CN
com.soa.contract.enforcement	pm
com.soa.crl	com.soa.container.identity.certificate.default.L
com.soa.database	
com.soa.database.config	com.soa.container.identity.certificate.default.O
com.soa.framework	SOA
com.soa.framework.xpath	com.soa.container.identity.certificate.default.OU
com.soa.http.client	SOA
com.soa.http.clientcaching	com.soa.container.identity.certificate.default.ST
	CA
	com.soa.container.identity.certificate.default.exp.period.years
	5

### **com.soa.container.identity.certificate.default.C**

The default country.

### **com.soa.container.identity.certificate.default.CN**

The default common name.

### **com.soa.container.identity.certificate.default.L**

The default locality.

### **com.soa.container.identity.certificate.default.O**

The default organization.

### **com.soa.container.identity.certificate.default.OU**

The default organization unit.

### **com.soa.container.identity.certificate.default.ST**

The default state.

### **com.soa.container.identity.certificate.default.exp.period.years**

Default expiration period, in years, for the container identity certificate.

## **com.soa.container.metadata.service**

Configuration of properties for the container metadata service.

Container metadata describes the capabilities of the container. These capabilities are used in Policy Manager to guide the actions that can be taken on the container, such as hosting a virtual service or creating a listener of a certain protocol.

The screenshot shows the 'Configuration Categories' pane on the left with 'com.soa.container.metadata.service' selected. The main pane displays the configuration for this service, showing several properties and their values:

com.soa.container.metadata.service	
com.soa.container.metadata.container.type	urn:soa.com:container
com.soa.container.metadata.container.type.name	SOA Container
com.soa.container.metadata.container.version	6.1.0
metadata.access.filter.enable	false
metadata.access.filter.localhostOnly	false
metadata.http.context.path	/metadata

### **Container Type (com.soa.container.metadata.container.type)**

The container type URI.

Default: urn:soa.com:container

### **Container Type Name (com.soa.container.metadata.container.type.name)**

The container type name.

Default: SOA Container

### **Container Metadata Version (com.soa.container.metadata.container.version)**

The container metadata version.

Default: 6.0

### **Container Metadata Service Access Toggle (metadata.access.filter.enable)**

The switch for enabling or disabling the security filter for the metadata service.

Default: false

### **Container Metadata Service Local Access Toggle (metadata.access.filter.localhostOnly)**

The switch for enabling or disabling access to the metadata service from different hosts. If set to true, it can only be accessed from localhost. This property requires the metadata.access.filter.enable property to be set to true.

Default: false

### **HTTP Context Path (metadata.http.context.path)**

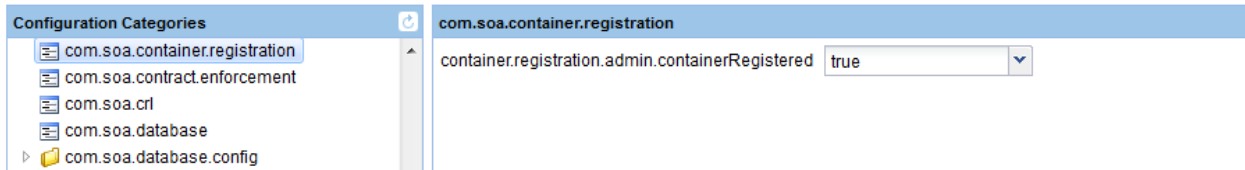
The path for where the metadata for this container is stored. You can use this path to read the metadata from this container using HTTP (precede the path with any root context for the container's HTTP listeners).

The metadata file includes information such as container type, container name, container certificate, and the features installed in the container (the capabilities it supports).

Default: /metadata

## **com.soa.container.registration**

Configuration of container registration.



### **container.registration.admin.containerRegistered**

Indicates whether the container is considered to have been registered in Policy Manager. As long as this value is set to false, the Network Director continues to check with Policy Manager to see if the container is registered. Only when the container is successfully registered does the Network Director begin pulling the container's configuration.

This property need not be set manually unless you would like the Network Director to recheck that it has been registered.

Default: false

## **com.soa.container.state**

Configuration of container state reporting.

### **container.state.reporter.enabled (container.state.reporter.enabled)**

Enable or disable the reporting of container state. If the container does not reflect state, it will appear as not started or unresponsive in Policy Manager.

Default: true

### **container.state.refresh.trigger.repeatInterval (container.state.refresh.trigger.repeatInterval)**

The interval in milliseconds between configuration updates.

Default: 60000

### **container.state.refresh.trigger.startDelay (container.state.refresh.trigger.startDelay)**

The time in milliseconds before container updates will begin when the bundle is started.

Default: 30000

### **container.state.refresh.job.enabled (container.state.refresh.job.enabled)**

Enable or disable the refresh job.

Default: false

## **com.soa.contract.enforcement**

Configuration for contract enforcement.

Configuration Categories	com.soa.contract.enforcement
com.soa.contract.enforcement	
com.soa.crl	
com.soa.database	
com.soa.database.config	
com.soa.framework	
com.soa.framework.xpath	
com.soa.http.client	

com.soa.contract.enforcement	
contract.handler.framework.idleExpiration	300
contract.handler.framework.maxRefreshInterval	120
contract.refresh.trigger.repeatInterval	15000
contract.refresh.trigger.startDelay	15000

### **Contract Cache Timeout in Seconds ()**

Cache timeout value for contracts, in seconds.

### **Contract Idle Expiration (contract.handler.framework.idleExpiration)**

The number of seconds a cached contract will remain in the cache without being authorized against.

Default: 300

### **Contract Refresh Interval (contract.handler.framework.maxRefreshInterval)**

The number of seconds a contract should remain in the cache before requiring a refresh.

Default: 120

### **Contract Cache Refresh Interval (contract.refresh.trigger.repeatInterval)**

The interval in milliseconds between contract cache refresh checks, controlling how often this job should run.

Default: 15000

### **Contract Cache Refresh Start Delay (contract.refresh.trigger.startDelay)**

The time in milliseconds before contract cache refreshes will begin when the system is started.

Default: 15000

## **com.soa.crl**

Configuration properties for the certificate revocation list.

Configuration Categories	com.soa.crl
com.soa.crl	
com.soa.database	
com.soa.database.config	
com.soa.framework	
com.soa.framework.xpath	

com.soa.crl	
com.soa.crl.cacheRefreshInterval	600
com.soa.crl.enabled	true
com.soa.crl.failOnError	false

### **com.soa.crl.cacheRefreshInterval**

Interval in seconds to refresh the CRL cache.

Default: 600

### **com.soa.crl.enabled**

Indicates whether CRL check is enabled for all X.509 certification verification.

Default: true

**com.soa.crl.failOnError**

Fail on error: If set to true, if there is any error when retrieving a CRL list for an issuer then all corresponding certificates will be revoked.

Default: false

**com.soa.database**

Configuration parameters for a remote database. The remote configuration holds the database connection parameters. The local thread pool is configured here.

The screenshot shows the 'Configuration Categories' pane on the left with 'com.soa.database' selected. The main pane displays the configuration for 'com.soa.database' with the following settings:

com.soa.database	
pm.database.config.enabled	false
pm.database.config.maxActiveConnections	10
pm.database.config.minIdleConnections	2

**Use Policy Manager Database Configuration (pm.database.config.enabled)**

If set to true, database configuration is retrieved from Policy Manager rather than retrieved locally; whenever a Policy Manager client is registered with the system, the central database configuration is retrieved and a new data source is published based on that configuration.

This setting should only be enabled for Network Director configurations.

Default: false

**Max Active Connections (pm.database.config.maxActiveConnections)**

The maximum number of active connections in the connection pool.

Default: 10

**Min Idle Connections (pm.database.config.minIdleConnections)**

The minimum number of idle connections in the connection pool.

Default: 2

## **com.soa.database.config**

Configuration for the Policy Manager database connection, including some general properties and some properties specific to certain database types.

Property	Value
canPublish	true
database	pm61
driver	net.sourceforge.jtds.jdbc.Driver
id	mssql
instance	
logAbandoned	false
maxPoolSize	30
maxWait	30000
minPoolSize	5
name	MSSQL-1
password	*****
port	1433
removeAbandoned	false
server	localhost
service.factoryPid	com.soa.database.config
type	MS SQL Server
url	jdbc:jtds:sqlserver://(server)/(port)/(database);user=(user);password=(password)
useTrackingConnections	true
user	pm61
validationQuery	select count(*) from DUMMY where 1=2

### **Publish This Configuration (canPublish)**

A flag indicating whether the configuration can be published. When set to true, indicates that the configuration is complete and can be published as a DataSource service into OSGi.

### **database**

The database name.

### **driver (driver)**

The filename for the database driver.

### **id (id)**

ID of the database (type of database).

### **instance**

Named Instance name (SQL Server only)

### **Log Abandoned Connections (logAbandoned)**

If set to true, abandoned connections are logged to a log file.

### **Max Active Connections (maxPoolSize)**

The maximum number of active connections in the connection pool.

### **Max Connection Wait Time (maxWait)**

The maximum time to wait, in milliseconds, to get a connection from the pool.

### **Min Active Connections (minPoolSize)**

The minimum number of active connections in the connection pool.

### **Name (name)**

The name of the database.

### **Database Password (password)**

The password for the database connection.



**port**

The database server port.

**Remove Abandoned Connections (removeAbandoned)**

If set to true, removes abandoned connections from the pool.

**server**

Database server hostname.

**type (type)**

The type of database, in text.

**url (url)**

URL for the database.

**Use Tracking Connections (useTrackingConnections)**

If set to true, if there is a connection leak a message is generated stating that a connection was opened and not closed.

**user**

Database username.

**Validation Query (validationQuery)**

Optional validation query to validate each of the connections.

**Admin Username (adminUsername)**

Administrator username, if different from the regular user. Not used at runtime.

**Encrypt Values (encryptValues)**

Encrypts database password.

**Database User Name (username)**

The user name for the database connection. Not used at runtime.

**com.soa.framework**

Configuration of the core framework utilities.

Configuration Categories	com.soa.framework
com.soa.framework	failure.data.capture.enabled <input type="text" value="true"/>
com.soa.framework.xpath	prepend.log.level <input type="text" value="false"/>
com.soa.http.client	track <input type="text" value="true"/>
com.soa.http.clientcaching	txBlockThresholdTime <input type="text" value="0"/>
com.soa.jbi	
com.soa.jbi.componentwsrt	
com.soa.jms	

**Nested Diagnostic Context Logging (failure.data.capture.enabled)**

Captures formatted logging information. If set to true, data added to the log file is indented based on the logging context. This is often referred to as Nested Diagnostic Context (NDC) logging. With this type of logging, all log entries for a thread are grouped together. Even if log levels are not set to TRACE, trace information is stored in memory in case of an error. If an error is reported, all TRACE

information is logged. This demands more memory resources at runtime but adds to the readability of the resulting log information.

If this value is set to false, logging is not indented, and log entries for different threads might be mixed together. Only log statements that meet the configured log level will appear. However, in exchange for this, some small performance gains will be seen and memory consumption will be lower.

Default: true

#### **Prepend Log Level (prepend.log.level)**

Prepends log level to log messages. This feature is useful if log entries are long. When this value is set to true, information is prepended to each line in the log file indicating whether the line is trace, error, or info.

Default: false

#### **Tracks Logging Frames (track)**

Tracks Logging Frames. Useful when searching for leaks. When set to true, this initiates a thread that checks logs to verify that every log start includes a log end. If there is a log start without an end, indicating a memory leak, a message is generated to indicate a potential bug. This is only relevant when failure.data.capture.enabled is set to true.

Default: true

#### **threshold in milliseconds to force log even when trace is disabled (txBlockThresholdTime)**

Write log to log file for successful transactions even when trace is disabled if complete transaction takes more than the provided milliseconds.

This setting can be useful in tracking down performance issues. Generally, a log is flushed to the log file only if a request fails. However, when this setting is turned on (value other than 0 specified), a request that takes beyond the specified time is logged, even if it is successful.

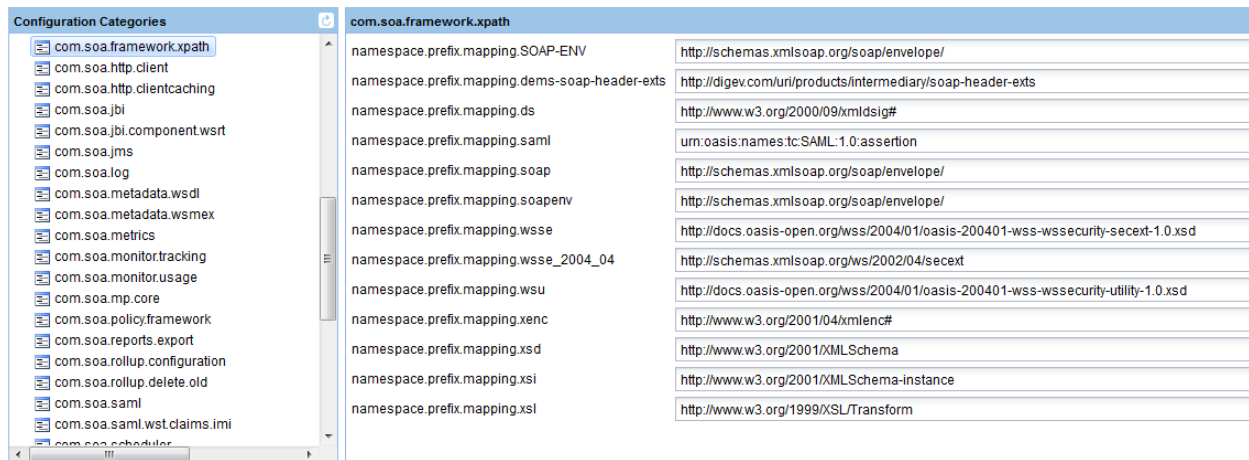
Using this setting can help you find performance issues. Note that some processes might legitimately take a longer time, and might be logged even though there is no issue. This setting is only relevant when failure.data.capture.enabled is set to true.

Default: 0

### **com.soa.framework.xpath**

Settings to map the namespace.

By mapping the namespace URI, you can write concise XPath statements by using pre-existing or known prefixes with XPath.

**namespace.prefix.mapping.SOAP-ENV**

Namespace prefix mapping for SOAP 1.1 envelopes.

**namespace.prefix.mapping.dems-soap-header-exts**

Namespace prefix mapping for legacy proprietary SOA Software SOAP headers.

**namespace.prefix.mapping.ds**

Namespace prefix mapping for XML digital signatures.

**namespace.prefix.mapping.saml**

Namespace prefix mapping for SAML 1.0.

**namespace.prefix.mapping.soap**

Namespace prefix mapping for SOAP 1.1.

**namespace.prefix.mapping.soapenv**

Namespace prefix mapping for SOAP 1.1 envelopes.

**namespace.prefix.mapping.wsse\_2004\_04**

Namespace prefix mapping for WS-Security.

**namespace.prefix.mapping.wsu**

Namespace prefix mapping for WS-Utility.

**namespace.prefix.mapping.xenc**

Namespace prefix mapping for XML encryption.

**namespace.prefix.mapping.xsd**

Namespace prefix mapping for XML schemas.

**namespace.prefix.mapping.xsi**

Namespace prefix mapping for XSI.

**namespace.prefix.mapping.xsl**

Namespace prefix mapping for XSL.

## **com.soa.http.client**

HTTP client configuration properties. These settings allow you to tune the HTTP outbound connections.

com.soa.http.client	
blocking.header.formatter.blocked	content-type,content-length,content-range,content-md5,host,expect,keep-alive,connection,transfer-encoding
http.client.config.connectionManagerTimeout	10000
http.client.transport.config.connectionTimeout	10000
http.client.transport.config.defaultMaxConnectionsPerHost	300
http.client.transport.config.maxTotalConnections	500
http.client.transport.config.soTimeout	120000
http.client.transport.config.staleCheckingEnabled	true
http.client.transport.factory.bufferContent	false
http.client.transport.factory.cipherSuites	
http.client.transport.factory.followRedirect	true
http.client.transport.factory.idleCheckInterval	30000
http.client.transport.factory.idleTimeout	300000
http.client.transport.factory.retryOnNoResponse	true
http.client.transport.factory.useExpectContinue	false
template.header.formatter.templates	
user.agent.header.formatter.defaultUserAgent	SOA Software HTTP Client Transport

### **Blocked Headers (blocking.header.formatter.blocked)**

A list of HTTP headers that will not be forwarded through the transport. The value is a comma-separated list of HTTP header names. Be careful when changing these values since most are generated internally by the transport and changes could result in conflicts.

Default: content-type,content-length,content-range,content-md5,host,expect,keep-alive,connection,transfer-encoding

### **Connection Pool Timeout (http.client.config.connectionManagerTimeout)**

The time in milliseconds indicating how long a thread should wait for a connection from the connection pool. If the pool is empty and it cannot get the connection within this time, it will fail.

Default: 10000 (10 seconds)

### **Connection Timeout (http.client.transport.config.connectionTimeout)**

The timeout in milliseconds to allow when establishing a connection. This value is passed directly to `Socket.connect(address, timeout)`. A value of 0 means an indefinite wait with no timeout.

Default: 10000

### **Maximum Connections Per Host (http.client.transport.config.defaultMaxConnectionsPerHost)**

The maximum number of outbound connections that will be maintained for one specific host.

Default: 300

### **Maximum Total Connections (http.client.transport.config.maxTotalConnections)**

The total maximum number of outbound connections in the client connection pool.

Default: 500

### **Socket Timeout (http.client.transport.config.soTimeout)**

The I/O timeout in milliseconds. This translates to the default `SO_TIMEOUT` for a socket. Generally, this setting is overridden by a value for the endpoint configured in Policy Manager.

Default: 120000

**Stale Checking (`http.client.transport.config.staleCheckingEnabled`)**

Enable or disable stale connection checking for the HTTP client. Stale checking determines if a server has closed a connection while the connection is pooled on the client side. This introduces a test when connections are retrieved from the connection pool, and has performance implications.

Default: true

**Disable Chunked Encoding (`http.client.transport.factory.bufferContent`)**

This flag controls chunking of all outgoing content while still using HTTP 1.1. This can be used in situations where a server may have bad chunking support, but HTTP 1.1 features such as persistent connections are still required. If turned on, this setting impacts all outgoing HTTP connections and can lead to memory scaling problems.

Default: false

**Cipher Suites (`http.client.transport.factory.cipherSuites`)**

The cipher suites to use on outgoing SSL connections. This is a comma-separated string.

Indicates cipher suites, such as 40-bit or 128-bit ciphers, to enable for outbound messages. The same value for inbound messages is set elsewhere.

**Follow Redirects (`http.client.transport.factory.followRedirect`)**

This flag controls whether or not redirects will be followed.

Default: true

**Idle Connection Check Interval (`http.client.transport.factory.idleCheckInterval`)**

The interval between checks for idle connections, in milliseconds.

Default: 30000

**Idle Connection Timeout (`http.client.transport.factory.idleTimeout`)**

The maximum time, in milliseconds, that an outbound connection can remain idle before it is closed.

Default: 300000

**Retry On No Response (`http.client.transport.factory.retryOnNoResponse`)**

This flag enables or disables a single retry when the client generates a `NoHttpResponseException` on a GET operation.

Default: true

**Use Expect/Continue (`http.client.transport.factory.useExpectContinue`)**

If this setting is enabled, the HTTP client will issue a request to the server that includes an “Expect” header. The message content will not be sent until the server responds with a “Continue” status. This adds overhead but avoids problems where the server is available but cannot accept a request for some reason.

Default: false

**Header Templates (`template.header.formatter.templates`)**

Headers that will be generated based on the value of an exchange or message property. Valid property names are: `incoming.scheme`, `incoming.hostname`, `incoming.port`, `incoming.path`, `incoming.uri`, `outgoing.scheme`, `outgoing.hostname`, `outgoing.port`, `outgoing.path`, `outgoing.uri`, or the name of any available header (case-insensitive).

If a property in a template cannot be found, the header is not sent. Some of these properties may not be available in some scenarios. Note that blocked header rules are applied after these headers are set, which may result in removal. Values may be preceded by “append=” or “replace=” to indicate whether the header should be appended to an existing value or should replace an existing value. By default, any generated value is appended to any existing value.

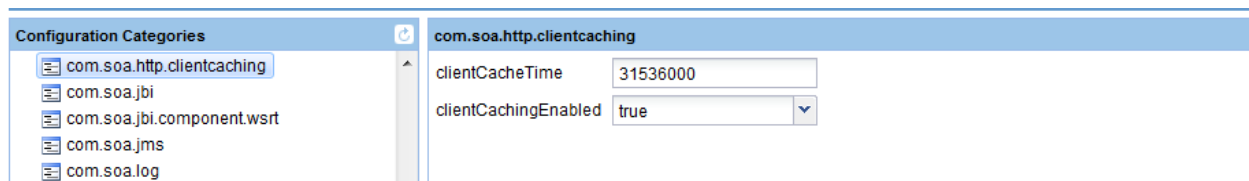
#### **User Agent (user.agent.header.formatter.defaultUserAgent)**

The default user agent header value to be used if none is specified. If there is an existing User-Agent header, this will not override the existing value.

Default: SOA Software HTTP Client Transport

## **com.soa.http.clientcaching**

Configuration of client caching.



#### **clientCacheTime**

Sets the length of time for client to cache static resources. This is reflected in the Expires and Cache-Control headers.

Default: 31536000 (1 year)

#### **clientCachingEnabled**

Turns client caching on or off for static resources.

Default: true

## **com.soa.http.proxy**

HTTP client proxy configuration properties. Each proxy has a set of these properties.

#### **Target URL Pattern (url)**

The URL for this proxy mapping. The URL can include an asterisk character (\*) as the last character in the string. This will match any characters in the requested URL.

#### **Proxy Server (proxy)**

The proxy server address for this URL mapping.

#### **Proxy Username (username)**

The username for authenticating to the proxy server. Optional.

#### **Proxy Password (password)**

The password for authenticating to the proxy server. Optional.

#### **Password Encrypted (isPasswordEncrypted)**

Indicates whether or not the password has been encrypted.

**Proxy Domain (NTLM) (domain)**

The domain to authenticate within. If this property is defined, NTLM authentication is used with the proxy.

**Proxy Host (NTLM) (host)**

The host the authentication request is originating from. Essentially, this is the computer name for this machine. Required only for NTLM authentication.

**Exclude Url (excludeurls)**

The comma-separated list of patterns of URLs to exclude.

**com.soa.http.resources**

Configuration for a directory on the filesystem to be published as an HTTP resource.

**HTTP Context Path (path)**

The HTTP context path. This is a servlet path spec.

**Resource Location (location)**

The filesystem location of the resources to publish. This must point to a directory.

**Context (context)**

The application context for these resources. If omitted, the slash character (/) is used.

**MIME Type Suffix Mapping (mimetypes)**

Mapping of additional suffixes to MIME types. The value is a comma-separated string where each value has the form <mimetype>=<suffix> [<suffix>]\*. This is optional. A small set of defaults are pre-defined.

The default is equivalent to the following MIME type list: text/css=css, text/html=html, text/javascript=js, text/plain=txt, text/image/jpeg=jpeg, image/png=png, image/tiff=tif, application/json=json.

**com.soa.http.route**

Simple low-level client routing.

**URL Pattern (pattern)**

The URL pattern for this route. The URL may include an asterisk character (\*) as the last character in the string. This matches any characters in the requested URL.

**Target URL (url)**

The target URL for this mapping.

**com.soa.jbi**

Configuration of the JBI router properties.

Configuration Categories	com.soa.jbi
com.soa.jbi	lbha.endpoint.reactivation.trigger.repeatInterval 15000
com.soa.jbi.component.wsrst	lbha.endpoint.reactivation.trigger.startDelay 15000
com.soa.jms	lbha.endpoint.refresh.task.allowRemoval true
com.soa.log	lbha.endpoint.refresh.task.expirationInterval 300000
com.soa.metadata.wsdl	lbha.endpoint.refresh.task.maxRefreshInterval 60000
com.soa.metadata.wsmex	lbha.endpoint.refresh.trigger.repeatInterval 30000
com.soa.metrics	lbha.endpoint.refresh.trigger.startDelay 10000
com.soa.monitor.tracking	lbha.router.suspensionPeriod 300000
com.soa.monitor.usage	
com.soa.mp.core	
com.soa.policy.framework	
com.soa.reports.export	
com.soa.rollup.configuration	

**Endpoint Reactivation Interval (lbha.endpoint.reactivation.trigger.repeatInterval)**

The interval in milliseconds between endpoint reactivation scans.

Default: 15000

**Reactivation Start Delay (lbha.endpoint.reactivation.trigger.startDelay)**

The time in milliseconds after which endpoint reactivation scans will begin, after the bundle has started.

Default: 15000

**Endpoint Refresh Check Interval (lbha.endpoint.refresh.trigger.repeatInterval)**

The interval in milliseconds between endpoint refresh scans.

Default: 30000

**Endpoint Refresh Start Delay (lbha.endpoint.refresh.trigger.startDelay)**

The time in milliseconds after which endpoint refresh scans will begin, after the bundle has started.

Default: 10000

**Endpoint Suspension Interval (lbha.router.suspensionPeriod)**

The time that an endpoint will be suspended for when it is marked as failed.

Default: 300000

**Maximum Endpoint Refresh Interval (lbha.endpoint.refresh.task.maxRefreshInterval)**

The maximum amount of time in milliseconds before the refresh of endpoints. During an endpoint refresh scan, if the max refresh interval has been reached the endpoints will be refreshed.

Default: 60000

**Endpoint Expiration Interval (lbha.endpoint.refresh.task.expirationInterval)**

The time in milliseconds that an endpoint can be inactive (not called) before it is removed from the router cache.

Default: 300000

**Remove Inactive Endpoints (lbha.endpoint.refresh.task.allowRemoval)**

A flag indicating whether inactive endpoints should be removed.



## **com.soa.jbi.component.wsrt**

Configuration of the WS-ResourceProvider framework.

Configuration Categories	com.soa.jbi.component.wsrt
<ul style="list-style-type: none"> <li>com.soa.jbi.component.wsrt</li> <li>com.soa.jms</li> <li>com.soa.log</li> <li>com.soa.metadata.wsdl</li> <li>com.soa.metadata.wsmex</li> </ul>	resource.server.adapter.configDelay <input type="text" value="120000"/>

### **Configuration Delay (resource.server.adapter.configDelay)**

The time in milliseconds that the framework will wait for providers to register before queries result in error.

Default: 120000

## **com.soa.jms**

JMS configuration properties.

Configuration Categories	com.soa.jms
<ul style="list-style-type: none"> <li>com.soa.jms</li> <li>com.soa.log</li> <li>com.soa.metadata.wsdl</li> <li>com.soa.metadata.wsmex</li> <li>com.soa.metrics</li> <li>com.soa.monitor.tracking</li> <li>com.soa.monitor.usage</li> <li>com.soa.mp.core</li> </ul>	jms.listener.manager.correlateByMessageId <input type="text" value="false"/> jms.listener.manager.listenersPerEndpoint <input type="text" value="1"/> jms.listener.manager.pollInterval <input type="text" value="5000"/> jms.listener.manager.pollTimeout <input type="text" value="120000"/> jms.listener.manager.retryInterval <input type="text" value="30000"/>

### **Correlate by Message ID (jms.listener.manager.correlateByMessageId)**

Controls whether responses are sent with the correlation ID of the incoming request or with the request message ID.

Default: false

### **Listeners Per Endpoint (jms.listener.manager.listenersPerEndpoint)**

The number of listener threads per endpoint. This is the number of polling threads that will be created for each listener. Note that each request is handled in a separate thread.

Default: 1

### **Listener Poll Timeout (jms.listener.manager.pollInterval)**

The timeout value for each polling thread when attempting a read operation; the frequency with which the listener polls for a message.

Default: 5000

### **Poll Timeout (jms.listener.manager.pollTimeout)**

The amount of time that the polling thread will wait before tearing down the connection and rebuilding it when there is no activity. This is useful for clients that do not report server restarts properly. A value of 0 disables this behavior.

Default: 120000

**Read Retry Interval (jms.listener.manager.retryInterval)**

The time in milliseconds between read operations when there is a failure.

Default: 30000

**com.soa.log**

Configuration settings for logging. All settings are based on Log4J configuration.

com.soa.log	
log4j.appender.FILE	org.apache.log4j.RollingFileAppender
log4j.appender.FILE.Append	true
log4j.appender.FILE.BufferedIO	false
log4j.appender.FILE.File	C:\soa\prosta\pm61sm60\instances\pm\log\pm.log
log4j.appender.FILE.MaxBackupIndex	10
log4j.appender.FILE.MaxFileSize	5000000
log4j.appender.FILE.Threshold	ALL
log4j.appender.FILE.layout	org.apache.log4j.PatternLayout
log4j.appender.FILE.layout.ConversionPattern	%d %-5p [%t] %c{1} - %m%n
log4j.category.com.digev	ERROR
log4j.category.com.soa	ERROR
log4j.category.httpclient.wire.content	ERROR
log4j.category.httpclient.wire.header	ERROR
log4j.category.org.apache	ERROR
log4j.category.org.apache.commons.httpclient	ERROR
log4j.category.org.apache.xml.security	ERROR
log4j.category.org.apache.xml.security.test.AllTests	ERROR
log4j.category.org.mortbay	ERROR
log4j.category.org.springframework	ERROR
log4j.rootLogger	ERROR, FILE

**File Appender (log4j.appender.FILE)**

Log class for file appender.

Default: org.apache.log4j.RollingFileAppender

**Append (log4j.appender.FILE.Append)**

Append to file.

Default: false

**Buffered (log4j.appender.FILE.BufferedIO)**

I/O Buffering.

Default: false

**Logs location (log4j.appender.FILE.File)**

Location for the log files.

Default: \${product.home.dir}/instances/\${container.name}/log/\${container.name}.log

**Maximum files (log4j.appender.FILE.MaxBackupIndex)**

Maximum number of backup files.

Default: 10

**Maximum file size (log4j.appender.FILE.MaxFileSize)**

Maximum file size.

Default: 5000000

**File Appender Threshold (log4j.appender.FILE.Threshold)**

File appender threshold.

Default: ALL

**File Appender Layout (log4j.appender.FILE.layout)**

File appender layout.

Default: org.apache.log4j.PatternLayout

**File Appender Pattern (log4j.appender.FILE.layout.ConversionPattern)**

File appender pattern.

Default: %d %-5p %t %c{1} - %m%n

**com.digev logging (log4j.category.com.digev)**

com.digev package logging setting.

Default: ERROR

**com.soa logging (log4j.category.com.soa)**

com.soa package logging setting.

Default: ERROR

**log4j.category.httpclient.wire.content**

Log category for HTTP client wire content logging. When set to DEBUG, the httpclient.wire.content and httpclient.wire.header contexts provide low-level logging of HTTP body content and headers.

**log4j.category.httpclient.wire.header**

Log category for HTTP client header logging. When set to DEBUG, the httpclient.wire.content and httpclient.wire.header contexts provide low-level logging of HTTP body content and headers.

**log4j.category.org.apache**

Log category for logging from Apache libraries.

**log4j.category.org.apache.commons.httpclient**

Log category for HTTP client.

**rootLogger (log4j.rootLogger)**

Root loggers.

Default: ERROR FILE

## **com.soa.metadata.wSDL**

Configuration of the metadata client.

Configuration Categories	com.soa.metadata.wSDL
com.soa.metadata.wSDL	
com.soa.metadata.wsmex	
com.soa.metrics	
com.soa.monitor.tracking	
com.soa.monitor.usage	

com.soa.metadata.wSDL	
com.soa.metadata.wSDL.includePipelineExts	false
com.soa.metadata.wSDL.includeSchema	true

### **Include Schema in WSDL (com.soa.metadata.wSDL.includeSchema)**

Indicates whether schemas should be downloaded with WSDL definitions.

Default: true

### **Include Pipeline Extensions in WSDL (com.soa.metadata.wSDL.includePipelineExts)**

Indicates whether pipeline extensions should be downloaded with WSDL definitions.

Default: false

## **com.soa.metadata.wsmex**

WS-Mex client configuration.

Configuration Categories	com.soa.metadata.wsmex
com.soa.metadata.wsmex	
com.soa.metrics	
com.soa.monitor.tracking	
com.soa.monitor.usage	
com.soa.mp.core	

com.soa.metadata.wsmex	
com.soa.metadata.wsmex.http.url	http://localhost:9900/wsmex

### **WS-Mex Service URL (com.soa.metadata.wsmex.http.url)**

The WS-Mex service URL. This is the basic URL that bootstraps communication from Network Director to Policy Manager. If the Network Director hostname is ever changed, it must be changed here also.

Default: http://localhost:9900/wsmex

## **com.soa.metrics**

Configuration of metric information.

Configuration Categories	com.soa.metrics
com.soa.metrics	
com.soa.monitor.tracking	
com.soa.monitor.usage	
com.soa.mp.core	
com.soa.policy.framework	

com.soa.metrics	
metrics.rollup.reporter.requireMetricsPolicy	false

### **metrics.rollup.reporter.requireMetricsPolicy**

Indicates whether metrics rollup information is loaded into the database automatically (false) or requires a policy in place (true).

Default: false.

## **com.soa.monitor.usage**

Configuration for the usage monitoring services. Controls database writers, usage writers, and the container to write the counters and logs.

Property Name	Value
rollup.queue.capacity	10000
transaction.queue.capacity	10000
usage.batch.writer.discardOldestOnOverflow	true
usage.batch.writer.rollupBatchSize	50
usage.batch.writer.usageBatchSize	50
usage.batch.writer.writeInterval	1000
usage.database.writer.enabled	true
usage.queue.capacity	10000
usage.remote.writer.enabled	false
usage.writer.client.adapter.retryOnUnrecoverableError	true

### **Rollup Queue size (rollup.queue.capacity)**

The maximum number of entries in the rollup queue.

Default: 10000

### **Transaction Queue size (transaction.queue.capacity)**

The maximum number of entries in the transaction queue.

Default: 10000

### **Discard Oldest on Overflow (usage.batch.writer.discardOldestOnOverflow)**

Indicates whether the oldest queue entry should be discarded on queue overflow. If set to false, the newest entry is discarded when the queue is full.

Default: true

### **Rollup Batch Size (usage.batch.writer.rollupBatchSize)**

The batch size for rollup recording. A batch is written if it reaches this limit or if the write interval has been exceeded.

Default: 50

### **Usage Batch Size (usage.batch.writer.usageBatchSize)**

The batch size for usage recording. A batch is written if it reaches this limit or if the write interval has been exceeded.

Default: 50

### **Batch Write Interval (usage.batch.writer.writeInterval)**

The maximum interval between batch writes, in milliseconds.

Default: 1000

### **Database Writer Enabled (usage.database.writer.enabled)**

Indicates whether the database usage writer is enabled.

Default: true

**Usage Queue size (usage.queue.capacity)**

The maximum number of entries in the usage queue.

Default: 10000

**Remote Writer Enabled (usage.remote.writer.enabled)**

Indicates whether the remote usage writer is enabled.

Default: false

**Retry on Unrecoverable Error (usage.writer.client.adapter.retryOnUnrecoverableError)**

Indicates whether a remote written batch should be retried if an unrecoverable error is encountered. Recoverable errors include HTTP connection failures; unrecoverable errors include HTTP 404 Unrecoverable and others.

Default: true

**com.soa.monitoring.tracking**

Configuration for transaction tracking.

**Enable Transaction Correlation (service.correlation.job.enabled)**

Indicates whether the transaction correlation job is enabled. If this setting is enabled, database connections that take longer than expected can be written to the system log file.

Default: true

**com.soa.mp.core**

Configuration of the DoS rules properties, including when to refresh and when to expire.

Configuration Categories	com.soa.mp.core
com.soa.mp.core	dos.service.rules.failOnNoRules <input type="text" value="true"/>
com.soa.policy.framework	global.transport.rule.enable <input type="text" value="true"/>
com.soa.reports.export	rules.expiration.job.enabled <input type="text" value="true"/>
com.soa.rollup.configuration	rules.expiration.trigger.repeatInterval <input type="text" value="1000"/>
com.soa.rollup.delete.old	rules.expiration.trigger.startDelay <input type="text" value="15000"/>
com.soa.saml	service.mapper.enable <input type="text" value="true"/>
com.soa.saml.wst.claims.imi	
com.soa.scheduler	
com.soa.scheduler.quartz	
com.soa.security	

**Fail if no Rules Defined (dos.service.rules.failOnNoRules)**

Fail if no rules are defined for a service. Has no impact if the transport rules are disabled.

Default: true

**Enable Transport Rules (global.transport.rule.enable)**

Indicates whether execution of the transport rules is enabled.

Default: true

**Enable Expiration checking (rules.expiration.job.enabled)**

Enables or disables the expiration checking job. If the expiration job is disabled, any DoS rules, specifically blacklists, will not expire.

Default: true

### Expiration Checking Interval (**rules.expiration.trigger.repeatInterval**)

The interval, in milliseconds, between checks for rules expiration.

Default: 1000

### Start Delay (**rules.expiration.trigger.startDelay**)

The time, in milliseconds, before expiration checks will begin when the bundle is started.

Default: 15000

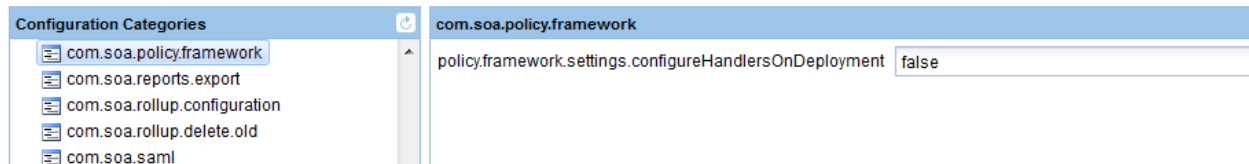
### Enable Transport Rule Service Mapper (**service.mapper.enable**)

Indicates whether the rule service mapper is enabled.

Default: true

## **com.soa.policy.framework**

Configuration of the policy framework.



### **policy.framework.settings.configureHandlersOnDeployment**

If set to true, all policy handlers are initialized at the time of deployment. If set to false, policy handlers are initialized on first request.

If true, deployment will take longer and more memory consumption may be seen, but no messages will suffer performance penalties while waiting for policy handlers to be initialized. If false, the first message to a virtual service option will see some additional latency for policy handler initialization, but deployment time and overall container memory consumption will be reduced.

Default: false

## **com.soa.provision**

Provisioning of bundles and/or configuration.

### **Poll Interval (com.soa.provision.poll)**

The poll interval in milliseconds.

Default: 2000

### **No Initial Delay (com.soa.provision.noInitialDelay)**

Indicates whether the scanners should be initialized immediately on startup or in the scanning thread. This allows configuration events to be handled synchronously (true) or asynchronously (false).

Default: true

**Monitored Directory (com.soa.provision.file.dir)**

The directory to monitor for filesystem scanners. If this property exists, a filesystem scanner will be created.

**File Filter (com.soa.provision.file.filter)**

An optional filter that may be used to control what files are processed. This is a regular expression that follows the rules for String.match().

**OBR Descriptor URL (com.soa.provision.obr.repository)**

The location (URL) of an OBR descriptor file that will be used to locate resources to be provisioned. If this property exists, an OBR scanner will be created. Note that either this or com.soa.provision.file.dir should be used; one or the other but not both. They cannot be used simultaneously.

**OBR Exclude List (com.soa.provision.obr.exclude)**

A list of configuration PIDs that should be ignored by the OBR scanner. This is a space-separated list. Each value may end with an asterisk wildcard (\*) which will match any characters.

**com.soa.reports.export**

Usage and alerts export configuration.

**maximum number of records to fetch in single query when exporting (usagelog.export.dao.blockSize)**

The maximum number of records for one query.

Default: 10000

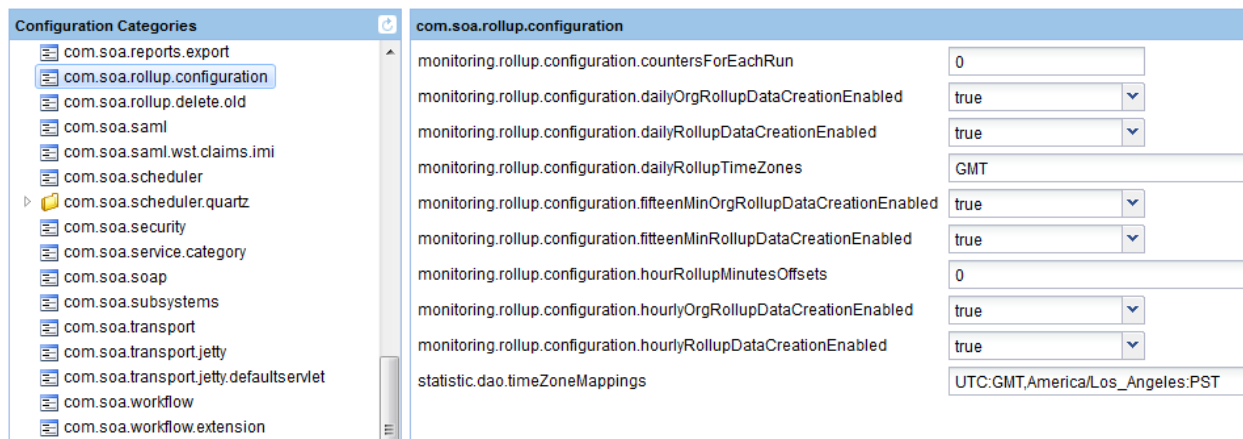
**com.soa.rollup.configuration**

Configuration of rollup metrics.

It's important to get time zone settings correct if you want to get hourly or daily charts for more than one time zone.

For example, some parts of the world such as India are in a time zone that differs from GMT not just in one-hour increments, but in a half-hour. 6am in Los Angeles in 6:30pm in Mumbai. To get accurate rollup metrics for these different time zones, you would need to configure the time zones and keep data for the half-hour increments.





Configuration Category	Setting	Value
com.soa.rollup.configuration	monitoring.rollup.configuration.countersForEachRun	0
	monitoring.rollup.configuration.dailyOrgRollupDataCreationEnabled	true
	monitoring.rollup.configuration.dailyRollupDataCreationEnabled	true
	monitoring.rollup.configuration.dailyRollupTimeZones	GMT
	monitoring.rollup.configuration.fifteenMinOrgRollupDataCreationEnabled	true
	monitoring.rollup.configuration.fifteenMinRollupDataCreationEnabled	true
	monitoring.rollup.configuration.hourRollupMinutesOffsets	0
	monitoring.rollup.configuration.hourlyOrgRollupDataCreationEnabled	true
	monitoring.rollup.configuration.hourlyRollupDataCreationEnabled	true
	statistic.dao.timeZoneMappings	UTC:GMT,America/Los_Angeles:PST

### Counters for Each Run of Historical Rollups (monitoring.rollup.configuration.countersForEachRun)

Counters for Each Run of Historical Rollup Jobs. 0 means unlimited.

Default: 0

### Enable Daily Organization Rollups

#### (monitoring.rollup.configuration.dailyOrgRollupDataCreationEnabled)

Enable/disable daily organizational rollups.

Default: true

### Enable Daily Rollups (monitoring.rollup.configuration.dailyRollupDataCreationEnabled)

Enable/disable daily rollups.

Default: true

### Daily Rollup Timezones (monitoring.rollup.configuration.dailyRollupTimeZones)

Time zones for daily rollups. You can add additional time zones.

Default: GMT

### Enable Fifteen Minute Organization Rollups

#### (monitoring.rollup.configuration.fifteenMinOrgRollupDataCreationEnabled)

Enable/disable 15-minute organizational rollups.

Default: true

### Enable Fifteen Minute Rollups

#### (monitoring.rollup.configuration.fifteenMinRollupDataCreationEnabled)

Enable/disable 15-minute rollups.

Default: true

### Hourly Rollup Offset (monitoring.rollup.configuration.hourRollupMinutesOffsets)

Hourly rollup minutes offset. For example, if you want rollup information for a time zone that has an offset of a half-hour, such as India, you would write: **0,30**.

Default: 0

### Enable Hourly Organization Rollups

#### (monitoring.rollup.configuration.hourlyOrgRollupDataCreationEnabled)

Enable/disable hourly organizational rollups.

Default: true

**Enable Hourly Rollups (monitoring.rollup.configuration.hourlyRollupDataCreationEnabled)**

Enable/disable hourly rollups.

Default: true

**Timezone Mappings (statistic.dao.timeZoneMappings)**

Time zone mappings. Some defined time zones are the same as others. You can support multiple time zones that have the same definition by mapping. For example, Los Angeles and PST are officially two different time zones but have the same definition, so they are mapped. One set of rollup metrics can then serve for both time zones. You can add additional time zone mappings following the format of the default.

Default: UTC:GMTAmerica/Los\_Angeles:PST

**com.soa.rollup.delete.old**

Configuration settings for metric rollup deletion. These settings control when and how often the rollup data is deleted, and which data is deleted.

**WARNING:** in process rollup deletion can be very expensive and even disruptive if database tables have already filled and have large volumes of data. It is best to enable this feature only when the tables have already been purged.

**Note:** Before deleting, it's a good idea to export a copy of the data or back up the database.

Configuration Categories	com.soa.rollup.delete.old
com.soa.reports.export	monitoring.delete.export.blockSize: 10000
com.soa.rollup.configuration	monitoring.delete.rollup.MO_ROLLUP15.enable: true
com.soa.rollup.delete.old	monitoring.delete.rollup.MO_ROLLUP15.exportDeleted: true
com.soa.saml	monitoring.delete.rollup.MO_ROLLUP15.unit: week
com.soa.saml.wst.claims.imi	monitoring.delete.rollup.MO_ROLLUP15.windowSize: 1
com.soa.scheduler	monitoring.delete.rollup.MO_ROLLUPDATA.enable: true
com.soa.scheduler.quartz	monitoring.delete.rollup.MO_ROLLUPDATA.exportDeleted: false
com.soa.security	monitoring.delete.rollup.MO_ROLLUPDATA.unit: hour
com.soa.service.category	monitoring.delete.rollup.MO_ROLLUPDATA.windowSize: 1
com.soa.soap	monitoring.delete.rollup.MO_ROLLUP_DAY.enable: true
com.soa.subsystems	monitoring.delete.rollup.MO_ROLLUP_DAY.exportDeleted: true
com.soa.transport	monitoring.delete.rollup.MO_ROLLUP_DAY.unit: month
com.soa.transport.jetty	monitoring.delete.rollup.MO_ROLLUP_DAY.windowSize: 6
com.soa.transport.jetty.defaultservlet	monitoring.delete.rollup.MO_ROLLUP_HOUR.enable: true
com.soa.workflow	monitoring.delete.rollup.MO_ROLLUP_HOUR.exportDeleted: true
com.soa.workflow.extension	monitoring.delete.rollup.MO_ROLLUP_HOUR.unit: month
com.soa.wsdl	monitoring.delete.rollup.MO_ROLLUP_HOUR.windowSize: 1
com.soa.wssecurity	monitoring.delete.rollup.MO_ROLL_ORG15.enable: true
com.soa.wst	monitoring.delete.rollup.MO_ROLL_ORG15.exportDeleted: true
com.soa.xmlparsers	monitoring.delete.rollup.MO_ROLL_ORG15.unit: week
	monitoring.delete.rollup.MO_ROLL_ORG15.windowSize: 1
	monitoring.delete.rollup.MO_ROLL_ORG_D.enable: true
	monitoring.delete.rollup.MO_ROLL_ORG_D.exportDeleted: true
	monitoring.delete.rollup.MO_ROLL_ORG_D.unit: month
	monitoring.delete.rollup.MO_ROLL_ORG_D.windowSize: 6

**enable usage data deletion (monitoring.delete.usage.enable)**

Allows deletion of data. If set to false, no data is deleted.

Default: true

**frequency of usage data deletion (monitoring.delete.usage.windowSize)**

Default: 1

**enable export of deleted usage records (monitoring.delete.usage.exportDeleted)**

monitoring.delete.usage.unit=week

Default: true

**include message when exporting deleted usage records (monitoring.delete.usage.includeMessages)**

Default: true

**enable deletion from MO\_ROLLUPDATA (monitoring.delete.rollup.MO\_ROLLUPDATA.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLLUPDATA  
(monitoring.delete.rollup.MO\_ROLLUPDATA.windowSize)**

Default: 1

**enable export of deleted records from MO\_ROLLUPDATA**  
**(monitoring.delete.rollup.MO\_ROLLUPDATA.exportDeleted)**

monitoring.delete.rollup.MO\_ROLLUPDATA.unit=hour

Default: false

**enable deletion from MO\_ROLLUP15 (monitoring.delete.rollup.MO\_ROLLUP15.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLLUP15**  
**(monitoring.delete.rollup.MO\_ROLLUP15.windowSize)**

Default: 1

**enable export of deleted records from MO\_ROLLUP15**  
**(monitoring.delete.rollup.MO\_ROLLUP15.exportDeleted)**

monitoring.delete.rollup.MO\_ROLLUP15.unit=week

Default: true

**enable deletion from MO\_ROLL\_ORG15 (monitoring.delete.rollup.MO\_ROLL\_ORG15.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLL\_ORG15**  
**(monitoring.delete.rollup.MO\_ROLL\_ORG15.windowSize)**

Default: 1

**enable export of deleted records from MO\_ROLL\_ORG15**  
**(monitoring.delete.rollup.MO\_ROLL\_ORG15.exportDeleted)**

monitoring.delete.rollup.MO\_ROLL\_ORG15.unit=week

Default: true

**enable deletion from MO\_ROLLUP\_HOUR (monitoring.delete.rollup.MO\_ROLLUP\_HOUR.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLLUP\_HOUR**  
**(monitoring.delete.rollup.MO\_ROLLUP\_HOUR.windowSize)**

Default: 1

**enable export of deleted records from MO\_ROLLUP\_HOUR**  
**(monitoring.delete.rollup.MO\_ROLLUP\_HOUR.exportDeleted)**

monitoring.delete.rollup.MO\_ROLLUP\_HOUR.unit=month

Default: true

**enable deletion from MO\_ROLL\_ORG\_H (monitoring.delete.rollup.MO\_ROLL\_ORG\_H.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLL\_ORG\_H**  
**(monitoring.delete.rollup.MO\_ROLL\_ORG\_H.windowSize)**

Default: 1

**enable export of deleted records from MO\_ROLL\_ORG\_H  
(monitoring.delete.rollup.MO\_ROLL\_ORG\_H.exportDeleted)**

monitoring.delete.rollup.MO\_ROLL\_ORG\_H.unit=month

Default: true

**enable deletion from MO\_ROLLUP\_DAY (monitoring.delete.rollup.MO\_ROLLUP\_DAY.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLLUP\_DAY  
(monitoring.delete.rollup.MO\_ROLLUP\_DAY.windowSize)**

Default: 6

**enable export of deleted records from MO\_ROLLUP\_DAY  
(monitoring.delete.rollup.MO\_ROLLUP\_DAY.exportDeleted)**

monitoring.delete.rollup.MO\_ROLLUP\_DAY.unit=month

Default: true

**enable deletion from MO\_ROLL\_ORG\_D (monitoring.delete.rollup.MO\_ROLL\_ORG\_D.enable)**

Default: true

**frequency of roll-up deletion from MO\_ROLL\_ORG\_D  
(monitoring.delete.rollup.MO\_ROLL\_ORG\_D.windowSize)**

Default: 6

**enable export of deleted records from MO\_ROLL\_ORG\_D  
(monitoring.delete.rollup.MO\_ROLL\_ORG\_D.exportDeleted)**

monitoring.delete.rollup.MO\_ROLL\_ORG\_D.unit=month

Default: true

**Archive Deleted Rollups in ZIP (monitoring.delete.saveAsZip)**

Indicates whether deleted rollups should be saved in a ZIP file

Default: true

**maximum number of records to fetch in single query when exporting  
(monitoring.delete.export.blockSize)**

Default: 10000

## **com.soa.saml**

SAML generation configuration.

Configuration Categories	
com.soa.reports.export	
com.soa.rollup.configuration	
com.soa.rollup.delete.old	
<b>com.soa.saml</b>	
com.soa.saml.wst.claims.imi	

<b>com.soa.saml</b>	
com.soa.saml.assertion.c14n.algo	http://www.w3.org/2001/10/xml-exc-c14n#WithComments
com.soa.saml.assertion.expiration	240
com.soa.saml.assertion.signature.algo	http://www.w3.org/2000/09/xmldsig#rsa-sha1

**SAML Expiration (com.soa.saml.assertion.expiration)**

SAML Assertion expiration time in minutes.

Default: 240

### **SAML Signature Algorithm (com.soa.saml.assertion.signature.algo)**

Default signature algorithm used for signing SAML assertions.

Default: <http://www.w3.org/2000/9/xmldsig#rsa-sha1>

### **SAML C14N Algorithm (com.soa.saml.assertion.c14n.algo)**

Default canonicalization algorithm used for signing SAML assertions.

Default: <http://www.w3.org/2001/10/xml-exc-c14n#WithComments>

## **com.soa.saml.wst.claims.imi**

Configuration of SAML claims.

Claim Name	Claim URI	Input Field
claim.email	<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress</a>	
claim.fullname		
claim.groups		
claim.username		
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/country">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/country</a>		c
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/dateofbirth">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/dateofbirth</a>		dateOfBirth
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress</a>		mail
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/gender">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/gender</a>		gender
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname</a>		givenName
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/homephone">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/homephone</a>		homePhone
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/localit">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/localit</a>		l
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/mobilephone">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/mobilephone</a>		mobile
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/otherphone">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/otherphone</a>		pager
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/postalcode">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/postalcode</a>		postalCode
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/privatepersonalidentifier">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/privatepersonalidentifier</a>		privatePersonalIdentifier
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/stateorprovince">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/stateorprovince</a>		st
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/streetaddress">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/streetaddress</a>		street
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname</a>		sn
<a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/webpage">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/webpage</a>		webpage

### **claim.email**

Claim URI for an email address.

### **claim.fullname**

Claim URI for a full name.

### **claim.groups**

Claim URI for a list of groups.

### **claim.username**

Claim URI for a user name.

### **<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/country>**

Identity system attribute name to fill the country claim with.

### **<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/dateofbirth>**

Identity system attribute name to fill the date of birth claim with.

### **<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress>**

Identity system attribute name to fill the email address claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/gender>**

Identity system attribute name to fill the gender claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/givenname>**

Identity system attribute name to fill the given name claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/homephone>**

Identity system attribute name to fill the home phone claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/locality>**

Identity system attribute name to fill the locality claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/mobilephone>**

Identity system attribute name to fill the mobile phone claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/otherphone>**

Identity system attribute name to fill the other phone claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/postalcode>**

Identity system attribute name to fill the postal code claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/privatepersonalidentifier>**

Identity system attribute name to fill the private personal identifier claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/stateorprovince>**

Identity system attribute name to fill the state or province claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/streetaddress>**

Identity system attribute name to fill the street address claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/surname>**

Identity system attribute name to fill the surname (last name) claim with.

**<http://schemas.xmlsoap.org/ws/2005/05/identity/claims/webpage>**

Identity system attribute name to fill the webpage claim with.

## **com.soa.scheduler**

General Simple Scheduler configuration. You can optimize these settings but otherwise we recommend you do not change them.

The cache uses the Simple Scheduler, so it's important that it is not disabled.

Configuration Categories	com.soa.scheduler	
com.soa.reports.export	simple.scheduler.debug	false
com.soa.rollup.configuration	simple.scheduler.enabled	true
com.soa.rollup.delete.old	simple.scheduler.maxThreads	10
com.soa.saml	simple.scheduler.minThreads	2
com.soa.saml.wst.claims.imi	simple.scheduler.threadKeepAliveTime	60
<b>com.soa.scheduler</b>		
com.soa.scheduler.quartz		
com.soa.security		

**Simple Scheduler Debug (simple.scheduler.debug)**

Indicates whether debug information about the executed job should be printed to System.out.

Default: false

**Disable scheduled Jobs (simple.scheduler.enabled)**

Stops scheduled jobs from running. Although this setting can be disabled, it is not recommended.

Default: true

**Minimum number of threads (simple.scheduler.minThreads)**

The minimum number of threads.

Default: 2

**Maximum number of threads (simple.scheduler.maxThreads)**

The maximum number of threads.

Default: 10

**Number of seconds to keep idle threads in the pool (simple.scheduler.threadKeepAliveTime)**

The number of seconds to keep idle threads in the pool.

Default: 60

**com.soa.scheduler.jobs**

Used to enable/ disable scheduled jobs for process rollups, alerts, etc.

**com.soa.scheduler.quartz**

The SOA Software Scheduler Service: Quartz scheduler configuration for the subsystems scheduler. These jobs can be disabled on a short-term or long-term basis if needed.

The screenshot displays the configuration categories on the left and the specific settings for the Quartz scheduler on the right. The configuration categories include com.soa.reports.export, com.soa.rollup.configuration, com.soa.rollup.delete.old, com.soa.saml, com.soa.saml.wst.claims.imi, com.soa.scheduler, com.soa.scheduler.quartz, com.soa.scheduler.quartz.b92dcaef-8354-45a2-ac4a-75f1c8d59dc2, com.soa.security, com.soa.service.category, com.soa.soap, com.soa.subsystems, com.soa.transport, com.soa.transport.jetty, com.soa.transport.jetty.defaultservlet, com.soa.workflow, com.soa.workflow.extension, com.soa.wsdl, com.soa.wssecurity, and com.soa.wst. The Quartz scheduler settings include org.quartz.jobStore.clusterCheckinInterval (20000), org.quartz.jobStore.isClustered (true), org.quartz.jobStore.misfireThreshold (60000), org.quartz.jobStore.tablePrefix (SOA\_QRTZ\_), org.quartz.jobStore.useProperties (false), org.quartz.scheduler.enabled (true), org.quartz.scheduler.instanceId (AUTO), org.quartz.scheduler.instanceName (SOAScheduler), org.quartz.thread.pool.threadCount (3), org.quartz.thread.pool.threadNamePrefix (QuartzSchedulerThread), org.quartz.thread.pool.threadPriority (5), org.quartz.thread.pool.threadsInheritContextClassLoaderOfInitializingThread (true), org.quartz.thread.pool.threadsInheritGroupOfInitializingThread (true), and service.factoryPid (com.soa.scheduler.quartz).

Configuration Category	Property	Value
com.soa.scheduler.quartz.b92dcaef-8354-45a2-ac4a-75f1c8d59dc2	org.quartz.jobStore.clusterCheckinInterval	20000
	org.quartz.jobStore.isClustered	true
	org.quartz.jobStore.misfireThreshold	60000
	org.quartz.jobStore.tablePrefix	SOA_QRTZ_
	org.quartz.jobStore.useProperties	false
	org.quartz.scheduler.enabled	true
	org.quartz.scheduler.instanceId	AUTO
	org.quartz.scheduler.instanceName	SOAScheduler
	org.quartz.thread.pool.threadCount	3
	org.quartz.thread.pool.threadNamePrefix	QuartzSchedulerThread
	org.quartz.thread.pool.threadPriority	5
	org.quartz.thread.pool.threadsInheritContextClassLoaderOfInitializingThread	true
	org.quartz.thread.pool.threadsInheritGroupOfInitializingThread	true
	service.factoryPid	com.soa.scheduler.quartz

**Instance Name (org.quartz.scheduler.instanceName)**

The Quartz scheduler instance name.



Default: SOAScheduler

**Node Instance ID (`org.quartz.scheduler.instanceId`)**

The instance ID for this node in the Quartz cluster. By using the default setting, AUTO, Quartz will generate one.

Default: AUTO

**Quartz Table Prefix (`org.quartz.jobStore.tablePrefix`)**

Quartz table prefix. This string is prefixed to database table names used by Quartz.

Default: SOA\_QRTZ\_

**Use Properties (`org.quartz.jobStore.useProperties`)**

This instructs the JDBCJobStore that all values in JobDataMaps will be Strings and therefore can be stored as name-value pairs rather than storing more complex objects in their serialized form in the BLOB column.

Default: false

**Clustered (`org.quartz.jobStore.isClustered`)**

Indicates whether clustered scheduling is enabled (true) or disabled (false).

Default: true

**Cluster Checkin Interval (`org.quartz.jobStore.clusterCheckinInterval`)**

The time in milliseconds between polls to check on the state of the cluster. This determines the responsiveness to failed cluster members.

Default: 20000

**Misfire Threshold (`org.quartz.jobStore.misfireThreshold`)**

The number of milliseconds the scheduler will tolerate a trigger to pass its next-fire-time by before being considered “misfired.”

Default: 60000

**Disable scheduled Jobs (`org.quartz.scheduler.enabled`)**

Stops scheduled jobs from running.

Default: true

**Persistent Scheduler Threads (`org.quartz.thread.pool.threadCount`)**

The number of threads in the persistent job pool.

Default: 3

**Persistent Thread Priority (`org.quartz.thread.pool.threadPriority`)**

The priority of scheduled threads associated with the persistent scheduler.

Default: 5

**Inherit Parent Thread ClassLoader**

**(`org.quartz.thread.pool.threadsInheritContextClassLoaderOfInitializingThread`)**

Indicates whether persistent job threads should inherit the parent context classloader.

Default: true

**Inherit Parent Thread Group (org.quartz.thread.pool.threadsInheritGroupOfInitializingThread)**

Indicates whether persistent job threads should inherit the parent group.

Default: true

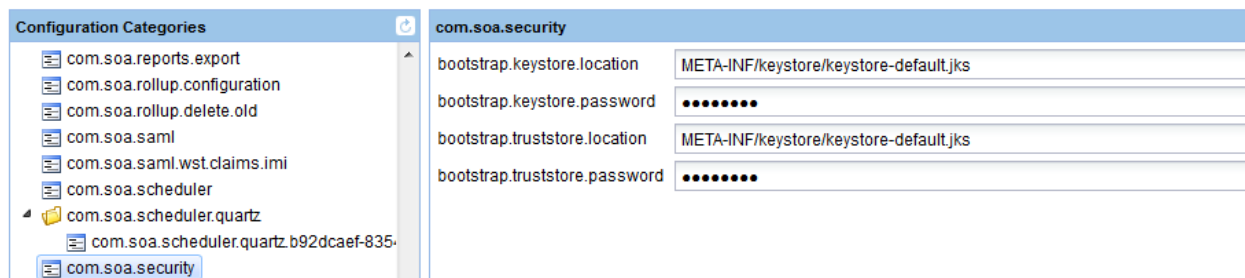
**Thread Group Name (org.quartz.thread.pool.threadNamePrefix)**

Thread Group Name.

Default: QuartzSchedulerThread

**com.soa.security**

Configuration of default key store and trust store properties.

**Key Store location (bootstrap.keystore.location)**

The key store location.

Default: META-INF/keystore/keystore-default.jks

**Key Store Password (bootstrap.keystore.password)**

The key store password.

Default: changeit

**Trust Store location (bootstrap.truststore.location)**

The trust store location.

Default: META-INF/keystore/keystore-default.jks

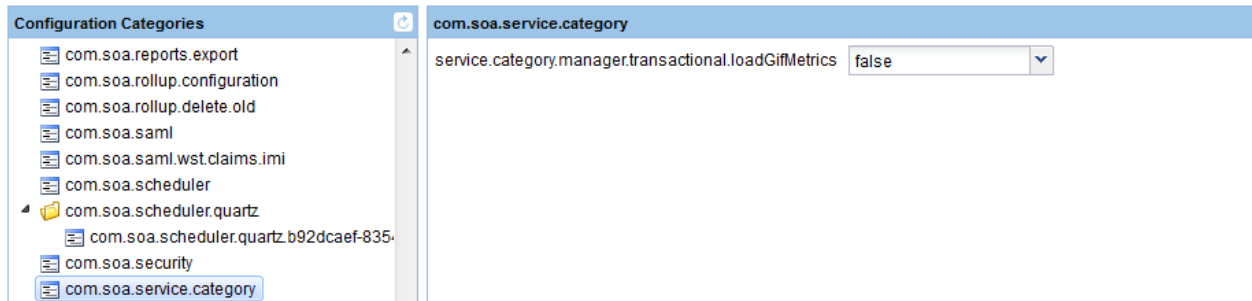
**Trust Store Password (bootstrap.truststore.password)**

The trust store password.

Default: changeit

## **com.soa.service.category**

Configuration of service category. This property is not generally used, but can be used in combination with turning off some rollup data settings.



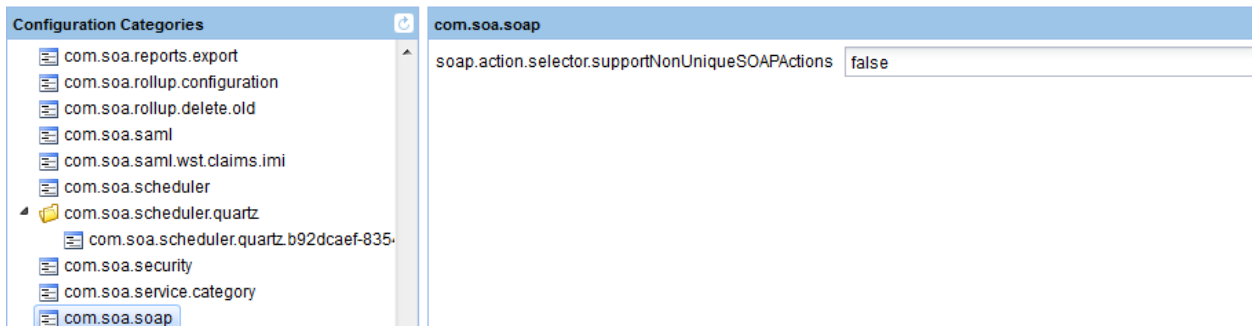
### **service.category.manager.transactional.loadGifMetrics**

Category Manager GIF metrics calculation.

Default: false

## **com.soa.soap**

Configuration of SOAP settings.



### **soap.action.selector.supportNonUniqueSOAPActions**

Indicates whether non-unique SOAP actions are supported.

## **com.soa.subsystems**

SOA Software System Services: configuration of subsystems such as monitoring and policy.

Configuration Categories	com.soa.subsystems
com.soa.reports.export	IncludeCount: 20
com.soa.rollup.configuration	METADATA_VALUE_SIZE: 4000
com.soa.rollup.delete.old	PC.Sub.ExpireAfter.Mnts: 12
com.soa.saml	filtered.usage.memory.queue.discardOnOverflow: true
com.soa.saml.wst.claims.imi	filtered.usage.memory.queue.max.size: 10000
com.soa.scheduler	filtered.usage.memory.queue.writers: 2
com.soa.scheduler.quartz	maxKeysAllowed: 32768
com.soa.scheduler.quartz.b92dcaef-835	monitoring.delete.saveAsZip: true
com.soa.security	monitoring.delete.usage.enable: false
com.soa.service.category	monitoring.delete.usage.exportDeleted: true
com.soa.soap	monitoring.delete.usage.includeMessages: true
<b>com.soa.subsystems</b>	monitoring.delete.usage.unit: month
com.soa.transport	monitoring.delete.usage.windowSize: 1
com.soa.transport.jetty	monitoring.export.deleteBlock: 1000
com.soa.transport.jetty.defaultservlet	pm.encrypted.seed: FLTgA23k3Tc=
com.soa.workflow	policy.subscription.chunktokenduration: PT10M
com.soa.workflow.extension	policy.subscription.expiryduration: P1Y
com.soa.wsdl	policy.subscription.maxentities: 100
com.soa.wsecurity	policy.subscription.notificationinterval: PT15M
com.soa.wst	policy.subscription.transaction.lagtime: 5
	rollups.memory.queue.max.size: 0
	scheduler.job.compute.summaries.interval: 60
	timeOut: 300000
	uddi.obs_workflow.enabled: true

### **Max Usage Queue Size (filtered.usage.memory.queue.max.size)**

Maximum number of entries in the filtered queue.

Default: 10000

### **Max Rollup Queue Size (rollups.memory.queue.max.size)**

Maximum number of entries in the rollup queue.

Default: 0

### **Discard Usage on Overflow (filtered.usage.memory.queue.discardOnOverflow)**

Indicates whether additional entries should be dropped when the number of entries in the usage queue reaches the limit. If set to false, the attempt to add to the queue is blocked. Blocking could have significant performance implications.

Default: true

### **Usage Writer Threads (filtered.usage.memory.queue.writers)**

The number of threads dedicated to writing usage data to the database.

Default: 2

**Compute Summaries Interval (scheduler.job.compute.summaries.interval)**

The interval in seconds for the compute summaries job.

Default: 60

**Enable workflow for OBS (uddi.obs\_workflow.enabled)**

Controls whether security and workflow is enabled for UDDI APIs.

Default: true

**Federated Search Timeout (timeOut)**

Federated UDDI search timeout in milliseconds.

Default: 300000

**Truncate Usage Tables (monitoring.delete.usage.enable)**

If set to true, the usage log tables are periodically truncated by deleting the oldest records.

Default: false

**Export Truncated Usage Data (monitoring.delete.usage.exportDeleted)**

If set to true, the data deleted from the usage tables is exported to the file system. This property only applies if truncation of usage tables is enabled.

Default: true

**Export Truncated Messages (monitoring.delete.usage.includeMessages)**

If set to true, the audited messages will also be exported when deleted. This property only applies if exporting of truncated usage data is enabled.

Default: true

**monitoring.delete.usage.unit (monitoring.delete.usage.unit)**

Identifies the unit of measure of the window of usage records that will be kept in the database (see monitoring.delete.usage.windowSize). This property only applies if monitoring.delete.usage.enable is set to true.

Default: month

**Usage Record Window Size (monitoring.delete.usage.windowSize)**

Specifies the window size in units (see monitoring.delete.usage.unit) of usage records that will be kept in the database. This property only applies if truncation of usage tables is enabled.

Default: 1

**Archive Deleted Rollups in ZIP (monitoring.delete.saveAsZip)**

Indicates whether deleted rollups should be saved in a ZIP file.

Default: true

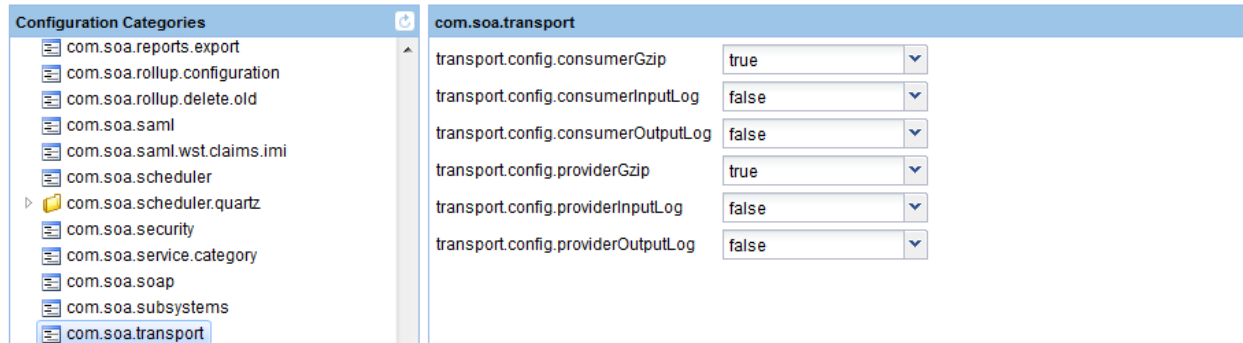
**Rollup Delete Batch Size (monitoring.export.deleteBlock)**

The number of rollup records that should be deleted in one call to the database.

Default: 1000

## **com.soa.transport**

Configuration of transport properties.



### **Consumer gzip Support (transport.config.consumerGzip)**

Enable or disable client-side gzip encoding/decoding support.

The Accept-Encoding gzip format means that the response can be zipped to save bandwidth. This value indicates whether gzip is supported.

Default: true

### **Provider gzip Support (transport.config.providerGzip)**

Enables or disables server-side gzip encoding/decoding support.

Default: true

### **Consumer Logging Support (transport.config.consumerInputLog)**

Enables or disables client-side input logging support.

Default: false

### **Provider Logging Support (transport.config.providerInputLog)**

Enables or disables of server-side input logging support.

Default: false

### **Consumer Output Logging Support (transport.config.consumerOutputLog)**

Enables or disables client-side output logging support.

Default: false

### **Provider Output Logging Support (transport.config.providerOutputLog)**

Enables or disables of server-side output logging support.

Default: false

## **com.soa.transport.jetty**

Configuration properties for the Jetty transport (server-side listener parameters).

Configuration Categories	com.soa.transport.jetty
com.soa.reports.export	http.incoming.transport.config.acceptQueueSize 100
com.soa.rollup.configuration	http.incoming.transport.config.acceptThreads 1
com.soa.rollup.delete.old	http.incoming.transport.config.acceptTimeout 180000
com.soa.saml	http.incoming.transport.config.securityProtocol TLS
com.soa.saml.wst.claims.imi	jetty.handler.factory.crossContextSessionIDs true
com.soa.scheduler	jetty.handler.factory.httpOnlyCookies true
com.soa.scheduler.quartz	jetty.handler.factory.secureCookies false
com.soa.security	jetty.handler.factory.sessionTimeout 3600
com.soa.service.category	ncsa.access.log.append true
com.soa.soap	ncsa.access.log.enable false
com.soa.subsystems	ncsa.access.log.filename C:\soa\prostat\pm61\sm60\instances\pm\log\access_YYYY_MM_DD.log
com.soa.transport	ncsa.access.log.retainDays 30
com.soa.transport.jetty	
com.soa.transport.jetty.defaultservlet	
com.soa.workflow	
com.soa.workflow.extension	
com.soa.wsdl	
com.soa.wssecurity	

### **Allow Cross-Context Session IDs (jetty.handler.factory.crossContextSessionIDs)**

Indicates whether sessions are allowed to be used in multiple contexts/applications. This applies only to web applications.

Default: true

### **Allow Http Only Cookies (jetty.handler.factory.httpOnlyCookies)**

Prevents cookies from being accessed from JavaScript in modern browsers. Safeguards against cross-site scripting.

Default: true

### **Allow Secure Cookies (jetty.handler.factory.secureCookies)**

Encrypts cookies when browser uses HTTPS. If a cookie was set up by an HTTPS request, it should only be used for an HTTPS request, not for an HTTP request.

Default: false

### **Session Idle Timeout (jetty.handler.factory.sessionTimeout)**

The session idle timeout in seconds. This applies only to web applications.

Default: 3600

### **Accept Backlog (http.incoming.transport.config.acceptQueueSize)**

The size of the accept socket queue. This is also known as the “backlog”.

Default: 100

### **Accept Threads (http.incoming.transport.config.acceptThreads)**

The number of accept threads.

Default: 1

### **Accept Socket Timeout (http.incoming.transport.config.acceptTimeout)**

The accept socket timeout in milliseconds. This is also used as the SO\_TIMEOUT for incoming data sockets. Warning: setting a small value for this may result in frequent recycling of the accept socket, which could cause dropped connections.

Default: 180000

### Security protocol (`http.incoming.transport.config.securityProtocol`)

The default SSL protocol. With IBM stacks this should normally be set to SSL or SSL\_TLS.

Default: TLS

### Enable NCSA Access Log (`ncsa.access.log.enable`)

Enable/disable the NCSA access log.

Default: false

### NCSA Access Log Filename (`ncsa.access.log.filename`)

The filename to use for the NCSA access log. The filename should include the string `yyyy_mm_dd` which is replaced with the actual date when creating and rolling over the file.

Default: `${product.home.dir}/instances/${container.name}/log/access_yyyy_mm_dd.log`

### NCSA Access Log Retention (`ncsa.access.log.retainDays`)

The number of days to retain log files for the NCSA access log.

Default: 30

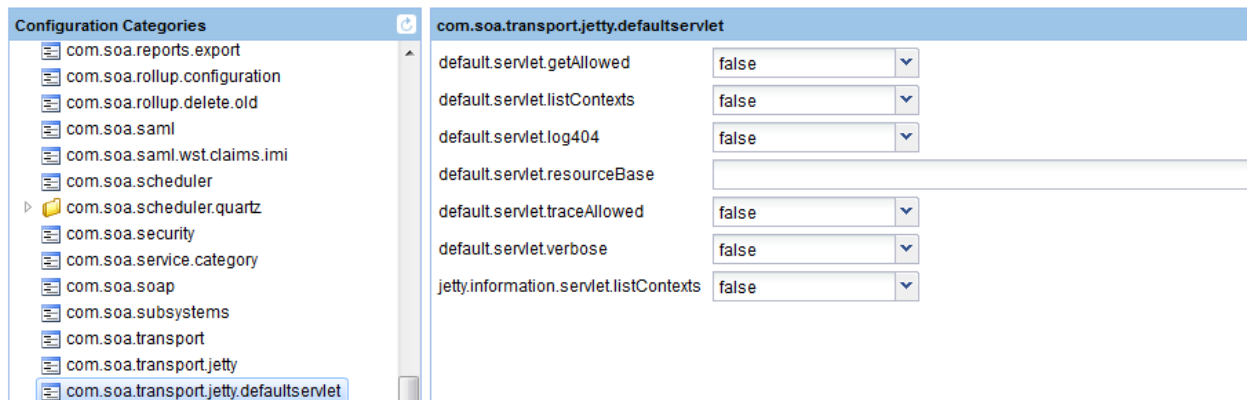
### NCSA Access Log Append (`ncsa.access.log.append`)

Control whether to append or overwrite log files for the NCSA access log.

Default: true

## **`com.soa.transport.jetty.defaultservlet`**

Configuration properties for the Jetty default servlet.



### Log 404 Errors (`default.servlet.log404`)

Indicates whether 404 errors should be logged.

Default: false

### Allow List Contexts (`default.servlet.listContexts`)

Indicates whether context contents can be browsed.

Default: false



**Verbose Responses (default.servlet.verbose)**

Indicates whether verbose responses include information on the request.

Default: false

**GET Allowed (default.servlet.getAllowed)**

Indicates whether GET requests are allowed.

Default: false

**TRACE Allowed (default.servlet.traceAllowed)**

Indicates whether TRACE requests are allowed.

Default: false

**Resource Base (default.servlet.resourceBase)**

Base path for resources if GET requests are allowed.

**informationServletListContexts (jetty.information.servlet.listContexts)**

Default: false

**Com.soa.uif**

Configuration of the user interface framework.

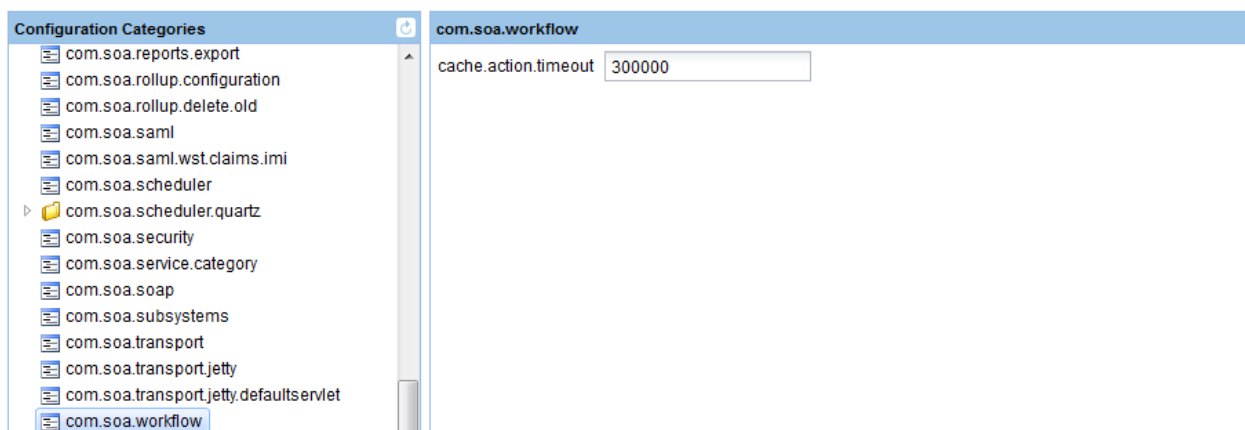
**script compilation interval (uif.config.scriptCompilationInterval)**

Script compilation interface in seconds. This job compiles all scripts required for a particular application deployed in the container each interval.

Default: 3600

**com.soa.workflow**

Configuration of workflow properties.

**cache.action.timeout**

Action Cache Timeout.

Default: 300000

## **com.soa.workflow.extension**

Configuration of workflow settings.

Configuration Categories	
com.soa.reports.export	
com.soa.rollup.configuration	
com.soa.rollup.delete.old	
com.soa.saml	
com.soa.saml.wst.claims.imi	
com.soa.scheduler	
com.soa.scheduler.quartz	
com.soa.security	
com.soa.service.category	
com.soa.soap	
com.soa.subsystems	
com.soa.transport	
com.soa.transport.jetty	
com.soa.transport.jetty.defaultservlet	
com.soa.workflow	
com.soa.workflow.extension	

com.soa.workflow.extension	
workflow.async.command.config.longRetryWaitTimeSec	120
workflow.async.command.config.maxActiveQueueLength	500
workflow.async.command.config.quickRetryWaitTimeMS	250
workflow.async.command.config.retryLimit	-1
workflow.async.command.config.storageDirectory	C:\soa\prosta\lpm61\sm60\instances\lpm\asyncworkflow
workflow.async.command.config.storagePollingIntervalMS	250

### **workflow.async.command.config.longRetryWaitTimeSec**

The interval, in seconds, between retries for remote asynchronous commands that are failing.

### **workflow.async.command.config.maxActiveQueueLength**

The maximum number of remote asynchronous commands that can be held in the in-memory queue. A value of 0 indicates that there is no limit.

### **workflow.async.command.config.quickRetryWaitTimeMS**

The interval, in milliseconds, before the first retry of a failed remote asynchronous command.

### **workflow.async.command.config.retryLimit**

The maximum number of times to retry a remote asynchronous workflow command that is failing.

### **workflow.async.command.config.storageDirectory**

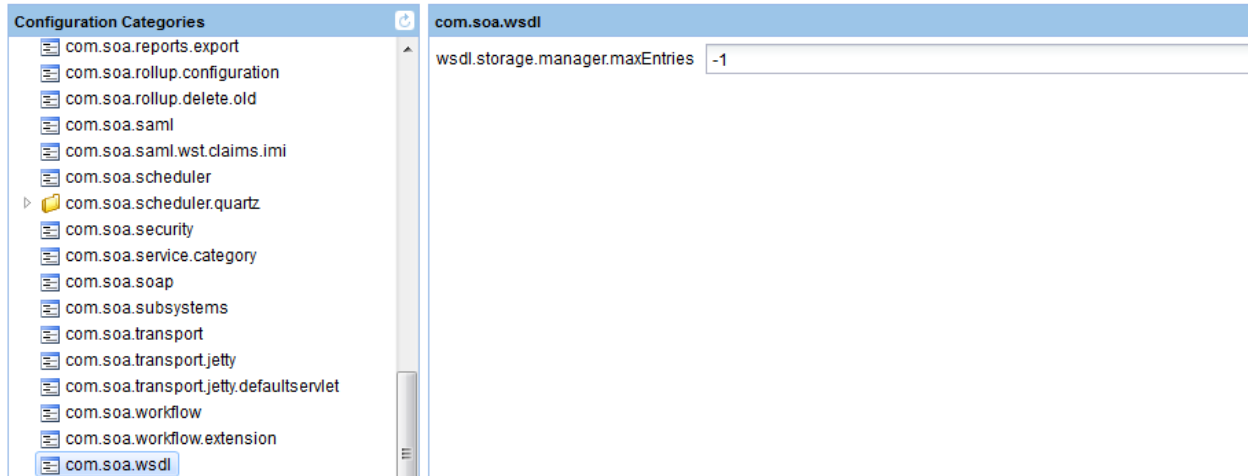
The path to the directory where pending asynchronous remote workflow commands are stored while they are waiting to be executed.

### **workflow.async.command.config.storagePollingIntervalMS**

The polling interval, in milliseconds, for the background thread that checks for persisted asynchronous remote workflow commands.

## **com.soa.wSDL**

SOA Software WSDL Support Utilities: configuration of WSDL-related settings.



### **wsdl.storage.manager.maxEntries**

Defines the maximum number of WSDL documents of hosted or downstream services that can be cached in memory at any given time. A value of -1 indicates all service WSDL documents are cached. All WSDL documents that are not cached are stored locally on disk and are re-read into memory on demand.

WSDL documents can take a large amount of memory in the container. As the number of hosted services grows, cached WSDL files can cause memory scaling issues with the process. Generally, default container capabilities do not require cached WSDL documents, so this number can be quite small. However, option packs and custom extensions may require WSDL document access, and the lack of documents in the cache may cause a loss in performance.

## **com.soa.wsil**

WSIL publishing configuration.

### **Enable WSIL (wsil.servlet.enable)**

Enable/disable the WSIL publishing servlet.

Default: true

**com.soa.wssecurity**

WS-Security Configuration.

The screenshot shows the 'Configuration Categories' pane on the left with 'com.soa.wssecurity' selected. The right pane displays the configuration for 'com.soa.wssecurity' with the following settings:

Property	Value
keep.securityHeader	false
timestamp.MaxAllowedClockSkewness	300
timestamp.expiration.time	300

**Allowed Maximum Clock Skewness (in seconds). (timestamp.MaxAllowedClockSkewness)**

Allowed maximum clock skewness.

Default: 300

**Timestamp Expiration time in seconds (timestamp.expiration.time)**

Timestamp Expiration time in seconds.

Default: 300

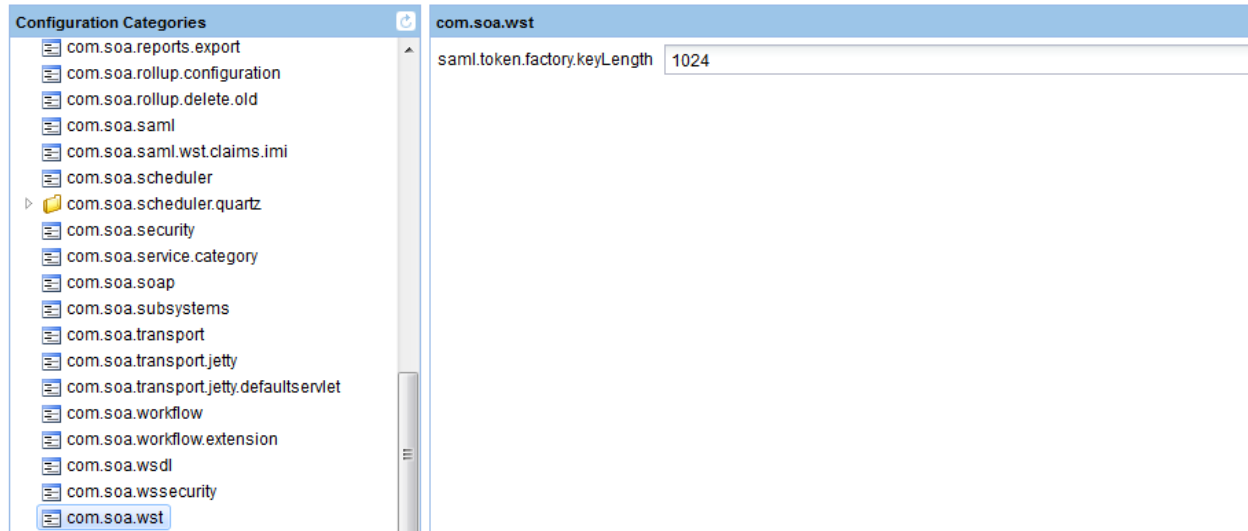
**Keep WS Security Header (keep.securityHeader)**

Keep WS Security Header after policy enforcement.

Default: false

## **com.soa.wst**

SOA Software WS-Trust and WS-Secure Conversation Common API: configuration of WS-Trust.

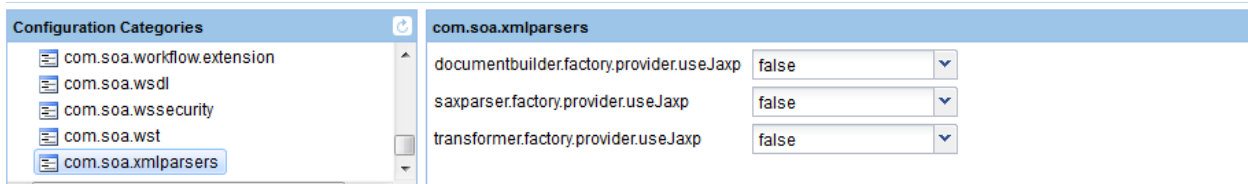


### **saml.token.factory.keyLength**

Length of the key used in the SAML token signature.

## **com.soa.xmlparsers**

SOA Software default XML parser and transformer: JAXP configuration.



### **Use JAXP for DOM (documentbuilder.factory.provider.useJaxp)**

Indicates whether JAXP is used for DOM.

Default: false

### **Use JAXP for SAX (saxparser.factory.provider.useJaxp)**

Indicates whether JAXP is used for SAX.

Default: false

### **Use JAXP for Transformers (transformer.factory.provider.useJaxp)**

Indicates whether JAXP is used for Transformers.

Default: false