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Preface

This document describes the issues and workarounds related to Oracle SOA Suite.

Audience

This document is intended for users of Oracle SOA Suite who should be aware of any related issues.

Documentation Accessibility

For information about Oracle’s commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Related Documents

For more information, see the following Oracle resources:

- User's Guide for Oracle B2B
- Monitoring Business Activity with Oracle BAM
- Understanding Technology Adapters
- Designing Business Rules with Oracle Business Process Management
- Rules Language Reference for Oracle Business Process Management
- Administering Oracle SOA Suite and Oracle Business Process Management Suite
- Tuning Performance
- Enterprise Deployment Guide for Oracle SOA Suite
- High Availability Guide
- WLST Command Reference for WebLogic Server
- Using Oracle RightNow Cloud Adapter
- Using Oracle Sales Cloud Adapter
- Using Salesforce Adapter
- Using the NetSuite Adapter
- Using Oracle ERP Cloud Adapter
Conventions

The following text conventions are used in this document:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>boldface</strong></td>
<td>Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.</td>
</tr>
<tr>
<td><em>italic</em></td>
<td>Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.</td>
</tr>
<tr>
<td><strong>monospace</strong></td>
<td>Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.</td>
</tr>
</tbody>
</table>
What's New in This Guide

This is a new guide for the 12c (12.2.1.3.0) release.

For release-related information and details about known issues and workarounds for previous releases, refer to Known Issues and Workarounds on OTN.
New and Changed Features for 12c (12.2.1.x)

For Oracle SOA Suite 12c (12.2.1.x), this guide has been updated to include the following new and changed development features:

**Note:**
Screens shown in this guide may differ slightly from your implementation. Any differences are cosmetic.

- Support for patching running composite instances. See Patching Running Instances of a SOA Composite in *Developing SOA Applications with Oracle SOA Suite*
- Support for In-Memory SOA. See Using In-Memory SOA to Improve System Performance in *Developing SOA Applications with Oracle SOA Suite*
- Support for debugging XSLT maps and support for conditional debugging. See Debugging the XSLT Map in *Developing SOA Applications with Oracle SOA Suite*
- Support for End-to-End JSON and JavaScript. See Integrating REST Operations in SOA Composite Applications in *Developing SOA Applications with Oracle SOA Suite*
- Support for Cloud Adapters. See the following 12.2.1.2.0 guides for more information:
  - Using Oracle RightNow Cloud Adapter
  - Using Oracle Sales Cloud Adapter
  - Using Salesforce Adapter
  - Using the NetSuite Adapter
  - Using Oracle ERP Cloud Adapter
  - Using Oracle Eloqua Cloud Adapter
SOA Core Issues and Workarounds

This chapter lists known issues and workarounds for this release of SOA Core.

2.1 Payload Restriction in REST Binding

Bug Number: 27396866
Impacted Releases: 12.2.1.3.0
Impacted Platforms: All

You will see an OutOfMemory exception when the payload size is more than 300MB in REST binding. This is because, it takes around 10 times memory of the size of the payload. This is a limitation.

2.2 NullPointerException while Deploying a Composite

Bug Number: 26654091
Impacted Releases: 12.2.1.3.0
Impacted Platforms: All

While trying to deploy a SOA Composite, if you see a NullPointerException error, ignore it. The error is thrown if the name of the composite is missing from the URL. This could happen due to the browser you are using.

2.3 oracle.mds.core.MetadataNotFoundException: MDS-00013 Exception for Bulk Recovery Request

Issue
Bug Number: 27272902
Impacted Releases: All
Impacted Platforms: All

When you request for bulk recovery in SOA and encounter the following exception:

```
oracle.mds.core.MetadataNotFoundException: MDS-00013: no metadata found for metadata object "/oracle/apps/ess/custom/soa/Schedule/BULKRECOVERY.xml
```

ensure that DummySchedule is not present in your environment. The DummySchedule prevents the submission of the bulk recovery request.
2.4 Migrate SOA Composite from 11g to 12c

Issue

Bug Number: 27175899
Impacted Releases: All
Impacted Platforms: All

When you migrate a SOA Composite from 11g to 12c, an error Invalid Composite is thrown. This occurs when the .jpr file of the migrated composite does not have the technologyScope attribute with SOA metadata in it. Verify and make sure that the technologyScope attribute is included in the .jpr file before you attempt the migration to 12c.

Add the following code snippet in the .jpr file after the close tag of <list n="contentSets">:

```xml
<value n="defaultPackage" v="project1"/>
<list n="url-path"/>
</hash>
<hash n="oracle.ide.model.TechnologyScopeConfiguration">
<list n="technologyScope">
<string v="SOA"/>
</list>
</hash>
<hash n="oracle.jdeveloper.compiler.OjcConfiguration">
<list n="copyRes">
<string v=".gif"/>
<string v=".GIF"/>
<string v=".jpg"/>
<string v=".JPG"/>
<string v=".jpeg"/>
<string v=".JPEG"/>
<string v=".png"/>
<string v=".PNG"/>
<string v=".properties"/>
<string v=".xml"/>
<string v=".ejx"/>
<string v=".xcfg"/>
<string v=".cpx"/>
<string v=".dcx"/>
<string v=".sva"/>
<string v=".wsdl"/>
<string v=".ini"/>
<string v=".tld"/>
<string v=".tag"/>
<string v=".xlf"/>
<string v=".xsl"/>
<string v=".xsd"/>
<string v=".exm"/>
<value n="internalEncoding" v="UTF8"/>
```

Chapter 2
Migrate SOA Composite from 11g to 12c

2-2
2.5 Auto Purge through EM results in OSA-1403

**Issue**

Bug Number: 27157704

Impacted Releases: All

Impacted Platforms: All

When you schedule auto purge through EM, it results in ORA-1403 (No data found). If this error is thrown, check all the autopurge job artifacts in the schema.

**Workaround**

Recreate the SOAINFRA schema so that the missing jobs are recreated.

2.6 Maven is slow in Windows 7 x64

**Issue**

Bug Number: 27157678

Impacted Releases: All

Impacted Platforms: Windows 7 x64

When you have multiple SOA projects and use Maven to build/deploy the projects, the compilation is very slow. It takes up to 10 minutes.

This is an issue related to performance and occurs only on Windows 7 x64.

2.7 Unable to process the sensor exception for Asynchronous Service

**Issue**

Bug Number: 27157725

Impacted Releases: All
Impacted Platforms: All

If an asynchronous service is used with operation name being same for the request and response message, the sensors defined for such messages could throw “Unable to process the sensor” exception.

Workaround
Do not use the same operation name for both request and response messages in the service.

2.8 Add Access Control Dialog Fails to Display a Newly Created ESS Application Role

Issue
Bug Number: 24586390
Impacted Releases: All
Impacted Platforms: All
Create an Oracle Enterprise Scheduler application, and create an application role to configure security.
When you try to add resource grants for the ESS application role in the Job Definition configuration, the newly-created application role might not show in the Role dropdown menu.

Workaround
Restart Oracle JDeveloper to resolve the issue.

2.9 Delete Selected Instance May Fail in an Upgraded Environment

Issue
Bug Number: 22937819
Impacted Releases: All
Impacted Platforms: All
On environments upgraded from 11.1.1.9.0, deleting flow instances of a composite from the Flow Instances tab in Enterprise Manager Fusion Middleware Control might not work. This bug is specific to database version 12.1.0.1.0.

Workaround
The workaround is to apply Patch 20830993 for database version 12.1.0.1.0. See details on the Oracle Support site.
2.10 Some JMS Inbound Messages Get Rejected Following an Abnormal Shutdown and Subsequent Restart of the Managed Server

**Issue**

Bug Number: 24558686
Impacted Releases:
Impacted Platforms:

If the managed server undergoes an abnormal shutdown and subsequent restart, some of the JMS inbound messages can be rejected, as a result of non-retriable runtime exception.

**Workaround**

You can access and retry these messages. See [Handling Rejected Messages](#) in Oracle Documentation for more details.

2.11 Prerequisite Not Executed While Installing 12.2.1 SOA on DOCKER Container

**Issue**

Bug Number: 21846678
Impacted Releases: 12.2.1
Impacted Platforms: All

During installation of SOA 12.2.1 on Docker Container, the "Checking Operating system Certification" pre-requisite is not executed. This is expected behavior.

**Workaround**

You can either click Skip and continue with the installation, or run the SOA installer in silent mode with flags -ignoreSysPrereqs and -novalidation to ensure that system prerequisite checks are skipped.

2.12 Second Right-Click Does Not Work in Target Navigation Tree for Safari

**Issue**

Bug Number: 21965636
Impacted Releases: All
Impacted Platforms: All
Description of the issue and when it might occur

1. Use Safari browser to log in to Enterprise Manager Fusion Middleware Control.
2. Expand the target navigation tree on the left.
3. Navigate to the SOA, soa-infra node.
4. Right-click a composite. You get the options.
5. Now, right-click again on any node. The options do not appear. You get a blank context menu.

Workaround

You can use the SOA Infrastructure drop-down menu to access the menu options.

2.13 Invalid Username/Password - ORA-01017

Bug Number: 26565652

Impacted Releases: 12.2.1.3.0

Impacted Platforms: All

If you encounter the error ORA-01017: invalid username/password, manually apply the patch available at My Oracle Support. This is a known issue and a fix will be available in the next release.
What’s New in This Release for Healthcare

This chapter lists the new features in Healthcare.

3.1 New Features

This section lists the new features in Oracle SOA for Healthcare.

- A command-line utility was added to resubmit an application message or a wire message for a selected business message. See Resubmitting a Message for more information.
- An enhancement was added to remove the dependency of outbound messages to ports. See About Resubmitting Messages for more information.
- A new Session Timeout parameter was added to the UI Settings page. See Setting runtime and User Interface Properties for more information.
4
What's New in This Release for B2B

This chapter lists the new features in Oracle B2B.

4.1 New Features

This section lists new features in Oracle B2B.

- There is an enhancement to remove the dependency of outbound messages to ports. See Resubmitting Messages from Oracle B2B for more information.

4.2 B2B Issues and Workarounds

This section lists known issues and workarounds for this release of Oracle B2B.

4.2.1 Transactions Stuck MSG_WAIT_BATCH State

Issue

Bug Number: 24012499
Impacted Releases: 12.2.1.3.0
Impacted Platforms: All

In a transaction type 810, messages get stuck in MSG_WAIT_BATCH state, which means that the business logic is completed and they are waiting for delivery to the next stage.

Workaround

The EM property `b2b.additionalDebugInfo` must be defined to log any batch straggler information into the `<soa_server>-diagnostic.log`. To write the batch straggler batch name and lag time into the file, the value of the EM property should follow this format: `logDir=<directory where the file will be written>`. The directory name is not case-sensitive.

4.2.2 An Attribute Cannot Appear More Than Once in the Same Start Tag

Issue

Bug Number: 25530559
Impacted Releases: 12.2.1.3.0
Impacted Platforms: All
The following exception error with an endpoint may occur intermittently:
oracle.xml.parser.schema.XSDException: An attribute cannot appear more than once
in the same start tag. If this occurs, you can enable the logging to try to diagnose the
root cause.

**Workaround**

To generate an additional log to debug this issue in detail:

1. In the EM Console, add the `b2b.additionalDebugInfo` server property with a value
   of `logDir=<directory for schema files>`.

   When the exception error occurs, the logs have additional lines for debugging. The
   lines are prepended by `DebugForDuplicateAttribute`.

2. Open the diagnostic log found in the `logDir` directory. Search for the
   `DebugForDuplicateAttribute` lines to get more detailed information.
What's New in This Release for BAM

This chapter lists information related to the 12c (12.2.1.3.0) release of Oracle BAM.

5.1 BAM Issues and Workarounds

This chapter lists known issues and workarounds for this release of BAM.

- **Unresolvable Error When Deleting Views From Project Tree**
- **Alert Shows Active Even After Import**
- **Newest row Doesn't Insert in DO AlertHistory Data Rows**

5.1.1 Unresolvable Error When Deleting Views From Project Tree

**Issue**

Bug number: 23236155

When deleting artifacts from a project tree when the Dashboard accessing the same artifact is open causes unresolvable error.

**Workaround**

Delete the artifact after closing the dashboard.

5.1.2 Alert Shows Active Even After Import

**Issue**

Bug Number: 26575064

Alert shows active in the Designer tab even after successful project import. The root cause is the alert 'Run As' user does not exist on the target system. The error code Security:090938 is printed in the diagnostic logs.

**Workaround**

There is no workaround.

5.1.3 Newest Row Doesn’t Insert in DO AlertHistory Page 1

**Issue**

Bug Number: 27321113

In some cases, a new row wasn't inserted in the DO AlertHistory data rows' Page1 when the Sent column was sorted, but a row was inserted in Page2 or Page3 as snapshots.
Workaround

The data presented when sorting column-based tabular data (on the DO Data tab) orders what's seen on the page by the ascending/descending order of the column, but it doesn't apply that sort order on all the available rows and reload all the pages based on the new ordering. To sort a column by order, set Order on Database as a Preferences setting.

The default behavior of column sort is intentional and mainly for performance optimization. Using Order on Database may slow page refreshes if the volume of data is huge.