

Release Notes for SOA Suite 11g Technology Preview 4

May 22, 2008

Introduction

This release of the product, Oracle SOA Suite 11g Technology Preview 4, is intended to give you an early view of the next major version of SOA Suite, known informally as Release 11.

Read this document to learn more about what we expect to work and what areas are not fully tested. We appreciate your interest in the product, and thank you in advance for providing your feedback on the Oracle Technology Network [discussion forum](#) dedicated to the SOA 11g Technology Preview release.

This release is not feature complete, in the sense that 1) the features shown in this release are not guaranteed to be in the final production release, and 2) we plan to add features in production that are not in the Technology Preview. This technology preview includes the SOA and WebCenter run-time and design-time functionality with JDeveloper. This version of the technology preview includes BAM and B2B and many new samples.

Get more information at the [SOA Suite technology preview page](#). Please review the information and technical resources for JDeveloper 11g at the [JDeveloper 11g product center](#) on the Oracle Technology Network.

About SOA

Oracle SOA Suite is a complete set of service infrastructure components for building, deploying, and managing service-oriented architectures. Oracle SOA Suite enables services to be created, managed, and orchestrated into composite applications and business processes. With Oracle SOA Suite's hot-pluggable components, organizations can extend and evolve their architectures easily without needing to replace existing investments.

Specifically, Oracle SOA Suite includes capabilities for connectivity to back-end systems (adapters) and trading partners (B2B), Enterprise Service Bus mediation capabilities, transformation (XSLT), orchestration (BPEL), business activity monitoring and security and management of Web services.

This Technology Preview release of Oracle SOA Suite 11g showcases the support for the Service Component Architecture (SCA) standard in Oracle SOA Suite through the new composite assembly editor in JDeveloper as well as a unified service engine foundation for the full set of SOA Suite components. Other key advances included in this 11g preview are native support for eventing, rich AJAX Human Task forms leveraging Oracle ADF, and Rules authoring usability improvements now integrated with JDeveloper.

Known Issues

Make sure to read the **Tech Preview 4 SOA Installation** document for a clean installation and SOA Configure procedure that takes you through the install in an error-free process.

General Issues and installation

You must use the English locale or you will not be able to use the Web services test page or view your wsdl files on the host machine using the browser (you can execute your web services by other means such as a Java programs).

If you do not have an English locale, you will see this error when you try to use the Web services test page "Cannot test this WS using the test page. Endpoint name: Fabric provider...".

At the start of the Configure SOA step you see a "Waiting max 420 second(s) for startup" message. After 7 minutes of waiting, the configuration ends with a FAILED message and suggests you look in the startsoa.log. Here is what you see from the Configure SOA message:

```
[echo] ==Waiting max 420 second(s) for startup of URL
http://hbuelow-lap:8988...
[exec] Result: 1
[echo]
*****
* Configuring SOA Infrastructure has FAILED.          *
* Please check following logs for possible cause: *
* C:\Documents and Settings\hbuelow\Application
Data\JDeveloper\system11.1.1.0.22.47.96\o.j2ee\embedded-
oc4j\install\tmp\soa-infra-java.log
* C:\Documents and Settings\hbuelow\Application
Data\JDeveloper\system11.1.1.0.22.47.96\o.j2ee\embedded-
oc4j\log\startsoa.log
*****
```

Here is the startsoa.log – it has only a few lines in it as follows:

```
java.lang.NoClassDefFoundError:
Exception in thread "main"
```

The problem is that the JDEV_USER_DIR environment variable has not been set and the default value is your home directory which includes spaces in the path (see above messages). Set this environment variable to a value without spaces as described in the **Tech Preview 4 SOA Installation** document.

If you are on Linux, it may be a different problem. Take a look at the URL in the waiting message. Make sure you have a valid domain name. For example, here is an invalid one:

```
[echo] ==Waiting max 420 second(s) for startup of URL http://cgbu-oe1.localdomain:8988...
```

The configuration step uses "\${hostname}.\${dnsdomainname} and this must resolve to a valid name. You may see <http://myhost.:8988> – notice the dot after the hostname for when the domain is not set.

There are two ways to fix this. If your machine has a domainname and it just needs to be set, you can do that with the domainname command. Make sure you can ping your hostname.domainname afterwards. If you do not have a domainname, or you are not sure (or if you are using vmware, for instance) you can change the script so that it uses only the hostname to resolve the server name.

The file that you can edit to remove dnsdomainname is : JOH\install\bpel\soa-infra-preInstall.xml
Look for the place where "dnsdomainname" is used.

Near the end of the SOA configuration, the last step is to delete a file. This has been seen to fail occasionally. Since installation is otherwise complete, you can delete the file manually and safely continue. The message you will see looks like this and contains the path of the file that must be deleted:

```
[delete] Deleting:
C:\JDeveloper\user2\system11.1.1.0.22.47.96\o.j2ee\embedded-oc4j\applications\soa-infra\deployed-composites.xml
[echo]
[echo] *****
[echo] * Configuring SOA Infrastructure has FAILED. *
```

If you choose the Configure All option for the SOA Configuration step you may see the SOA Infrastructure complete successfully but still see Build Failed at the end. You can ignore this error which happens during the B2B setup and which you will override anyway when you get to that step in the Installation Guide.

```
[echo] SOA Infrastructure configuration SUCCESSFULLY COMPLETED.
```

```
BUILD FAILED
```

```
/usr/jdev11gTP4/install/bpel/build.xml:32: The following error occurred while
executing this line:
```

```
/usr/jdev11gTP4/install/bpel/soa-infra-config.xml:48: The following error
occurred while executing this line:
```

```
/usr/jdev11gTP4/install/bpel/soa-infra-config.xml:89:
```

```
*****
```

```
* Configuring SOA Infrastructure has FAILED.
```

```
* If following log files exists, please check them for possible cause:
```

```
* /usr/jdevinstance/system11.1.1.0.22.49.49/o.j2ee/embedded-oc4j/install/tmp/soa-infra-java.log
```

```
* /usr/jdevinstance/system11.1.1.0.22.49.49/o.j2ee/embedded-oc4j/log/startsoa.log
*****
```

If you see this error in the server log

```
Internal Exception: java.sql.SQLException: Listener refused the connection
with the following error:
ORA-12519, TNS:no appropriate service handler found
The Connection descriptor used by the client was:
localhost:1521:XE
```

Go back to the installation instructions and do the step to increase your session and process parameters in the XE database.

You will see many instances of these messages in the server log window. These are not error conditions and can be safely ignored

```
May 13, 2008 11:50:02 AM oracle.j2ee.xml.XMLMessages warningException
WARNING: Exception Encountered
```

and,

```
WARNING: Config MBean <<various names>> is being registered, but it is
already registered
```

You may see an OutOfMemory error when deploying applications. You can change your memory settings by editing this file in your JDeveloper installation directory:

```
JOH\install\bpel\soa_startup.properties
```

Login passwords for *oc4jadmin* and *fmwadmin* in most places are *welcome*. Some documentation may refer to the passwords as *welcome1* and in some cases, it actually is *welcome1*. Try *welcome* first and if it doesn't work, try *welcome1*.

We have seen various issues when JDeveloper (JOH) and the instance directory (JDEV_USER_DIR) are not on the same drive. For best results, these should be on the same drive.

Human Task

In task editor for the human task an error is raised when selecting the advance rule feature

```
java.net.URISyntaxException: Illegal character in path at index 68:
```

In task editor, configure Visibility, in Task action tab, click + and select "Add action access rule", note no reaction and get following error: `java.lang.NullPointerException`

Worklist

For accessing the worklistapp, always use the fully qualified URL with the domain name in the browser. Otherwise you might see the following issues inside the worklistapp while accessing task details application:

- a. When you open task detail in the lower pane, action in any of the controls like buttons or '+' icons throws a NPE popup.
 - b. In the task detail pop-up , On clicking the '+' in short history , will show the login page embedded inside.
-

In worklist, after selecting the task details, the details are displayed in the lower part of the window. When selecting the action from here, sometimes you will see a session timeout error. Select the task in the task list to open it in another window instead. Sometimes a task detail window also gives a session time out error. The workaround in this case is to Restart all of your Firefox browser windows.

Application Deployment

In Technology Preview 4 you must deploy the Project. Previously you had to deploy the application but that is no longer supported.

You may see this error when building your project

```
C:\jdevprojects\AS11_TP4\POProcessing\POProcessing\receivePO.wsdl
Error(1,1): <Line 1, Column 1>: XML-20108: (Fatal Error) Start of root
element expected.
```

If you build a composite starting with the web service client the wsdl is not refreshed when it is first created and when you compile, you get an error that the wsdl is 0 length. Simply open and close the wsdl file in JDeveloper to refresh and compile again

SOA Console

You may see this error when invoking a composite from the test page. It can be safely ignored.

```
07/12/17 16:03:07 SEVERE: CoreRemoteMBeanServer.fetchMBeanServerEjbRemote
Error reading application-client descriptor: Error communicating with server:
Not authorized; nested exception is:
javax.naming.AuthenticationException: Not authorized for URL
```

You may encounter this error when invoking your application. You would see this in the flow details in the SOA Console when viewing the payload of the BPEL activity. Simply invoke your application again.

```
<fault>
<remoteFault xmlns="http://schemas.oracle.com/bpel/extension"
xmlns="http://schemas.oracle.com/bpel/extension">
<part name="summary" >
<summary>java.io.FileNotFoundException:
C:\ws\jdevADRS4794\qausser\system11.1.1.0.22.47.94\o.j2ee\embedded-
oc4j\applications\soa-infra\fabric\WEB-INF\testpage\client?WSDL (The
filename, directory name, or volume label syntax is incorrect)</summary>
</part>
</remoteFault>
</fault>
```