

Troubleshooting Common Issues in Oracle Service Registry 10.1.3.x

This document describes the likely cause of common errors that you may encounter when installing or using the Oracle Service Registry. It includes the following sections:

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Installer fails in the last steps of the install process

An error indicating that the final step of installation – deployment of the Registry EAR file to OracleAS – occurs:

```
Make Service Registry module war...
[java] [java] Java Result: -1
[java] [java] Java Result: -1
[java] [java] Java Result: -1
[java] [java] Java Result: -1
[java] BUILD FAILED
```

The issue is that the Installer is unable to connect to the target OC4J/Oracle instance. Check to see that:

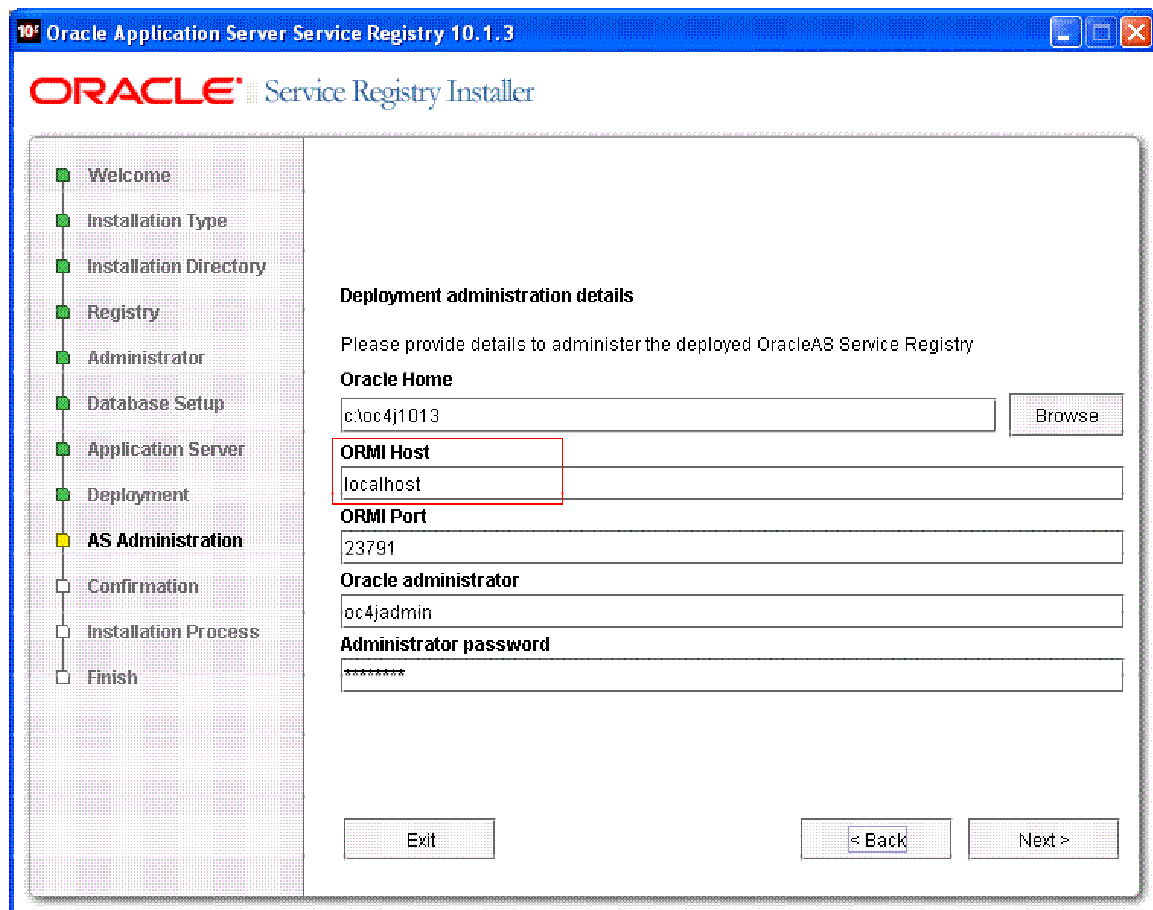
- The target OC4J/Oracle is running.
- The OC4J/Oracle host and port information are correct.
- The login and password values supplied for Oracle Administrator in the Oracle Administrator Details panel of the Installer are correct.
 - If installing to OracleAS R2 (10.1.2.0.2) only:
Ensure that “admin” is set as the value for Oracle Administrator in the Installer. This is the default value set in the Installer. Setting this value to “ias_admin” will result in a failed deployment.

“Missing ormi[s]://<host>:<port>” error occurs during installation

The following error may occur when installing Registry to OC4J standalone 10.1.3:

```
[java] Error: Missing ormi[s]://<host>:<port>
[java] BUILD FAILED
```

The problem is that the Installer is unable to resolve the host machine name. Set the value for ORMI Hostname in the Deployment Administration Details panel of the Installer to either "localhost" or the host machine's IP address to resolve the issue, as shown below.



This problem has been fixed in the 10.1.3.1 release of the Registry.

Errors during Registry Database creation

The error may be a “login unauthorized” or “login not found” error, or may look like this:

```
Preparing database account backend ...
Copying JDBC drivers D:\oracle\product\10.2.0\db_1\jdbc\lib\classes12.jar...
Creating new tablespace ...
[java] java.sql.SQLException: ORA-01119: error in creating database file
'D:\oracle\product\10.2.0\oradata\uddi\uddinode.dbf'
[java] ORA-27040: file create error, unable to create file
[java] OSD-04002: unable to open file
```

```
[java] O/S-Error: (OS 3) The system cannot find the path specified.  
[java] at oracle.jdbc.driver.DatabaseError.throwSQLException  
(DatabaseError.java:111)
```

On Windows, the location specified for Tablespace Datafile MUST point to an EXISTING directory accessible to the database, such as <database>/oradata/ directory. The Installer will NOT create the path specified in the Installer.

This problem has been fixed in the 10.1.3.1 release of the Registry.

“Cannot Find TModel/50 Service Limit” errors during installation

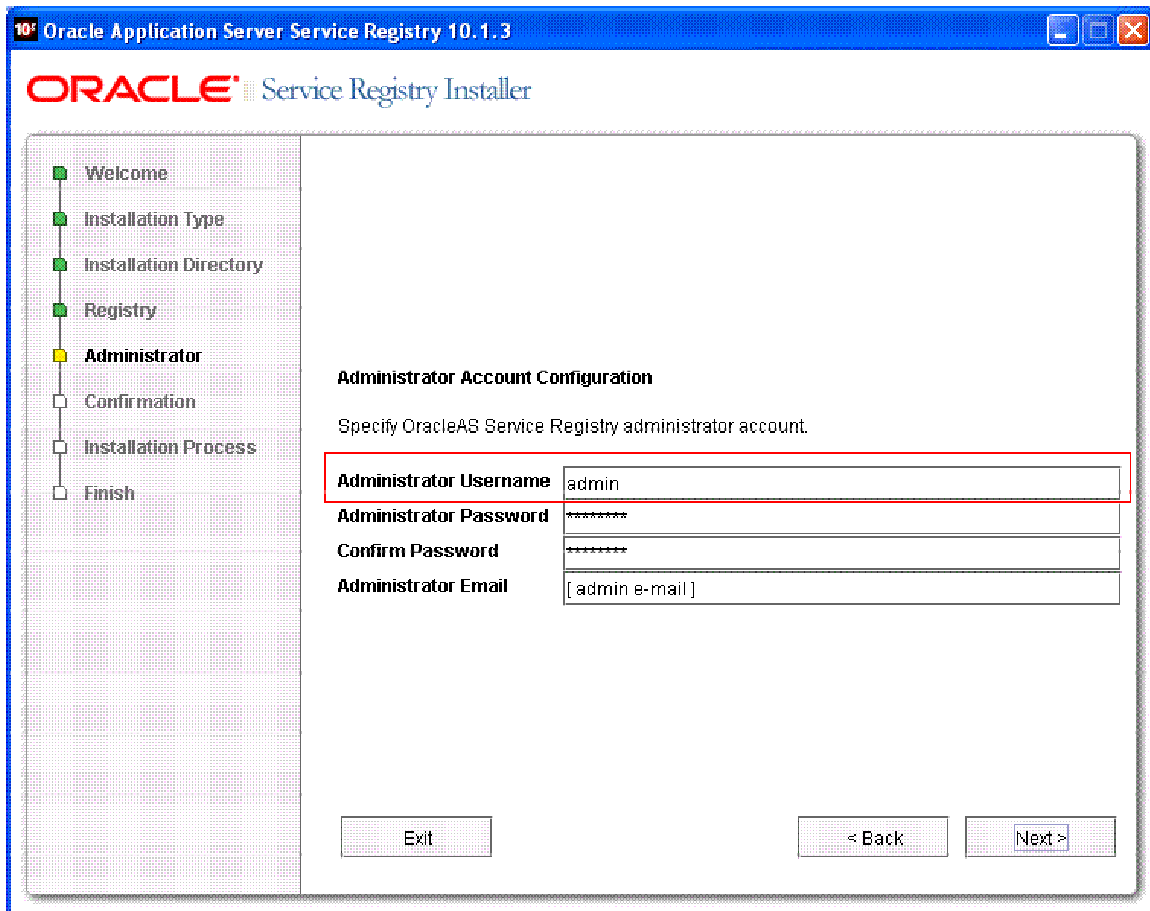
The log file contains errors such as these:

```
<errInfo errCode="E_invalidKeyPassed">Cannot find TModel with key  
uddi:systinet.com:limit:defaultmessageemailxslt !</errInfo>
```

and:

```
ERROR: publishing_core.com.systinet.uddi.publishing.database.RegistryLimitChecker - Unable  
to publish/save the binding template because the maximum number of 50 binding templates has  
been reached.
```

These errors are caused by a known bug in the Registry Installer which causes the installation to fail if any value other than the default – `admin` – is specified as the value for Administrator Username in the Administrator Account Configuration pane, as shown below.



To verify the value set during installation, check the value of `install.server.admin.name` in the `install.log`.

This problem has been fixed in the 10.1.3.1 release of the Registry.

“Updates to config files not supported” error when accessing Registry UIs

The following error may be displayed in the user’s Web browser when attempting to access the Business Service Control UI for the first time after installing the Registry:

500 Internal Server Error

org.idoox.wasp.WaspInternalException: java.lang.RuntimeException: Updates to config files not supported

Usually, simply re-starting the OC4J instance hosting the Registry will resolve the problem. This requirement to re-start OC4J after installation is a known issue that will likely not be fixed.

If the error persists after a re-start, the likely cause is:

- The Registry EAR was not actually deployed to OC4J, even though the installation appeared to succeed. In this case, try re-installing the Registry.
- The Registry application is not started, even though ASControl indicates that it is running. Try

stopping then restarting Registry through ASControl.

Out of Memory or PermGen errors occur when running Registry

Registry will cause the host OC4J instance to run out of memory if memory parameters are not set correctly on the JVM during OC4J startup.

Ensure that the heap size (-Xmx) and MaxPermSize Java parameters are set as documented in the product ReadMe on each OC4J instance that will host a Registry installation. The correct values are:

```
-Xmx1024m -XX:MaxPermSize=128m
```

“NamePasswordAN” error when logging in to Registry

The error looks like this:

UDDI Error Error number: 10500 Error code: E_fatalError Message: (19001) Initialization of security has failed. It is tied up with NamePasswordAN (?)
--

The issue occurs because the Registry-specific login-module configuration is either not correct or is missing from `system-jazn-data.xml` (10.1.3) or `jazn-data.xml` (10.1.2).

Add the following elements within the `<jazn-loginconfig>` in the XML file.

```
<application>
  <name>IdentityAsserter</name>
  <login-modules>
    <login-module>
      <class>com.systinet.uddi.security.jaas.IdentityAsserterLoginModule</class>
      <control-flag>required</control-flag>
      <options>
        <option>
          <name>debug</name>
          <value>true</value>
        </option>
      </options>
    </login-module>
  </login-modules>
</application>
```

```
<application>
  <name>NamePasswordAN</name>
  <login-modules>
    <login-module>
      <class>com.systinet.uddi.security.jaas.NamePasswordLoginModule</class>
      <control-flag>required</control-flag>
      <options>
        <option>
```

```

        <name>debug</name>
        <value>true</value>
    </option>
</options>
</login-module>
</login-modules>
</application>

<application>
    <name>HttpRequest</name>
    <login-modules>
        <login-module>
            <class>com.systinet.uddi.security.jaas.SmLoginModule</class>
            <control-flag>required</control-flag>
            <options>
                <option>
                    <name>debug</name>
                    <value>true</value>
                </option>
            </options>
        </login-module>
    </login-modules>
</application>

```

“Context checking” error #1 when publishing a Web service

The error looks like this:

UDDI Error Error number: 32010 Error code: RequestDenied Message: Automatic context checking has failed. Your approval request has been unsuccessful.

This error occurs in a Publication/Discovery Registry configuration. Most likely, the Provider associated with service being published was created in the Publication Registry instance, but does not exist in the Discovery instance.

“Context checking” error #2 when publishing a Web service: IPFilter

The error message reads:

UDDI Error Error number: 32010 Error code: RequestDenied Message: Automatic context checking has failed. Your approval request has been unsuccessful. Caused by: javax.xml.messaging.JAXMException: org.systinet.wasp.client.XMLInvocationException: Exception while processing incoming message message. Unable to read server response. Server returned status code: 403 (Forbidden) (Content-type:text/plain): Client's request from '192.168.1.12' is blocked by IPFilterInterceptor".

This error occurs in a Publication/Discovery Registry configuration. The problem is that an IPFilter configuration on the production/discovery registry is preventing it from receiving requests from the staging registry.

The solution is to set the staging registry's IP address in the `IPAddress` attribute of the `<IPFilter>` element in the `production.xml` file on the discovery/production registry server:

```
<ORACLE >/j2ee/<oc4j_instance>/applications/registry/registry/app/uddi/conf/production.xml
```

For example the following configuration allows connections from IP address 10.0.0.*:

```
<IPFilter name="productionFilter">  
  <subnet subnetMask="255.255.255.0" IPAddress="10.0.0.184"/>  
</IPFilter>
```

You can alternatively set the value of `IPAddress` to "0.0.0.0" which will cause IP address to be ignored, essentially disabling the filter.

“Configuration license not found” Error At Registry UI Login

The error looks like this:

Message: (11001) Configuration license not found.

This problem is one of several that may occur in the Business Service Control and Registry Control UIs if the Service Registry application is started BEFORE the database. Because the Registry retrieves configuration data from the database at startup, the database must be running before the Registry is started.

The solution is to simply re-start the Registry.

Registry Web-based UIs do not display correctly

The Web-based UI pages may not display correctly, as shown below:



The reason is that style sheets cannot be applied to the pages. The likely cause is that an un-resolvable host name specified during installation, such as “localhost”.

The simplest fix is to un-deploy then re-deploy the Registry, this time specifying an accessible host name for the target OC4J instance as the value for Hostname in the “Deployment to Application Server” panel of the Installer. Note that you don’t have to re-create the database tablespace/schema, but only to install the Registry application itself.

Alternatively, you can modify the following configuration files, which define the URLs used to access the Registry.

Specify the resolvable hostname in the <url> and <secureUrl> elements within this file:


```
<ORACLE> /j2ee/<oc4j_instance >/applications/registry/registry/app/uddi/conf/web.xml
```

For example:

```
<url>http://130.35.174.94:8891/registry</url>
```

Set the same value in this element in these files within

```
<ORACLE>/j2ee/<oc4j_instance >/applications/registry/registry/app/uddi/bsc.jar:
```

```
/conf/bsc.xml
```

```
/conf/web.xml
```

You will have to re-JAR bsc.jar and replace the existing file with your updated version in the application server, then restart the application.

UDDI Error When Publishing ESB WSDL Files

A UDDI error (typically error 10050) occurs when trying to publish an ESB WSDL for an outbound adapter. The problem is that Service Registry is unable to correctly parse these files.

The workaround and best practice is to not expose ESB adapter services externally but instead expose the ESB routing service that contains a routing rule to invoke the adapter. This virtualizes that service endpoint and protects the SOAP client from any changes to that adapter.

Web Framework Errors with Registry on OracleAS 10gR2

Errors indicating Web framework issues may occur when attempting to access the Business Service Control and Registry Control UIs when using Oracle Service Registry 10.1.3.1 on OracleAS 10g R2 (10.1.2.0.2).

Oracle Service Registry 10.1.3.1 uses a modified version of the Oracle JSP library, OJSP.JAR. OracleAS 10g R3 (10.1.3.1+) contains this modified JAR. OracleAS 10g R2 (10.1.2.0.2) does not.

The solution is to apply a patch that upgrades OJSP. The patch can be downloaded from Metalink:

Patch: 4936151

Release: 10.1.2.0.2

Platform: Generic

Follow the instructions in the ReadMe document provided with the patch.