Oracle® Governance, Risk and Compliance Controls

Deployment with WebLogic

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Oracle Governance, Risk and Compliance Controls Deployment with WebLogic

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GRCC Deployment with WebLogic

In a standard implementation, Oracle Governance, Risk and Compliance Controls (GRCC) runs with the Tomcat Application Server. You can, however, substitute the Oracle WebLogic Server version 10.3.2 for Tomcat.

This document supplements the *Oracle Governance, Risk and Compliance Controls Installation and Upgrade Guide* for version 8.6.0, providing instructions for deploying GRCC on WebLogic. To complete the deployment, you will need not only these instructions, but also a copy of the *Installation and Upgrade Guide*.

1. Install Oracle WebLogic Server version 10.3.2 and Application Development Runtime version 11.1.1.2.
2. Locate the Governance, Risk and Compliance Controls Disk in your Oracle media pack. In its dist directory, locate the file WLS-1032-PatchingForGRCC86.zip.
3. Extract the contents of WLS-1032-PatchingForGRCC86.zip into a temporary folder. Install this required patch, as directed in WLS-1032-PatchingForGRCC86.txt.
4. Create a directory for a Report Repository if one does not exist already. This directory will store GRCC report history — copies of reports that GRCC users schedule to be run. Note the path to this directory, as you will need to supply it later as a configuration value.
5. Create a directory for the storage of ETL data used by Enterprise Transaction Controls Governor, if one does not exist already. (ETCG is one of two applications that run in the GRCC platform). Again, note the path to this directory, as you will need to supply it later as a configuration value.
6. In the dist directory of the Governance, Risk, and Compliance Controls Disk, locate the file grcc_86.zip. Copy the file to a staging directory, and extract its contents there.
7. Create a directory called grcc. Extract a file called grcc.war from your staging directory to the grcc directory.
8. Delete the files bicmn-10.1.3.4.jar and geronimo-stax-api_1.0_spec-1.0.1.jar from grcc\WEB-INF\lib.
9. Create a new WebLogic domain (hereafter called <grcc_domain> in this document). To do so, execute the following command, in which <WLS_HOME>

is the home directory of your WebLogic installation — the highest-level directory in which WebLogic components exist:

```
<WLS_HOME>\wlserver_10.3\common\bin\config.sh
```

The config.sh script prompts you to select templates. You need three, of which one (Basic WebLogic Server Domain – 10.3.2.0) is selected automatically. From the remaining options, select Oracle Enterprise Manager – 11.1.1.0. When you do, the third template (Oracle JRF – 11.1.1.0) is automatically selected along with it.

The conflig.sh script next prompts you to create a name for your WebLogic domain. Use any name you wish.

10. Copy the following jar files to <WLS_HOME>\userprojects\domains\ <grcc_domain>\lib, from <ADR_HOME>\modules\ oracle.adf.model_11.1.1 (in which <ADR_HOME> is the full path to the home directory of the Application Development Runtime 11.1.1.2 installation):

    adfm.jar
    adfdt_common.jar
    adfmweb.jar

11. When you extracted grcc_86.zip into your staging directory (see step 6), the extraction created a subdirectory called grcc-tomcat-lib. From that directory, copy the file groovy-all-1.6.3.jar to <WLS_HOME>\userprojects\domains\ <grcc_domain>\lib.

12. Start the Oracle WebLogic Server.

13. In a web browser, navigate to the Oracle WebLogic Server Administration Console. The default site is http://*host*:7001/console, in which *host* represents the fully qualified domain name (FQDN) of your GRCC server.

14. Log in to the WebLogic Server Administration Console.

15. In the Domain Structure pane, click on Deployment.

16. In the Summary of Deployments pane, select the Control tab.

17. In the Summary of Deployments pane, click on the Install button.

18. In the Path field of the Install Application Assistant pane, enter in the full path to the grcc directory you created in step 7.

19. In the Install Application Assistant pane, press Next.

20. In the Install Application Assistant pane, choose “Install this deployment as an application” under “Choose targeting style.”

21. In the Install Application Assistant pane, press Next.

22. In the Install Application Assistant pane, choose “Copy this application onto every target for me” under the “Source accessibility” section. Accept all other defaults.

23. In the Install Application Assistant pane, press Next.

24. In the Install Application Assistant pane, choose “Yes, take me to the deployment’s configuration screen” under “Additional configuration.”

25. In the Install Application Assistant pane, press Finish.
26. In the Install Application Assistant pane, press Save.
27. Configure StartWeblogic.sh for jaas.config and java memory.
    - Log off the console.
    - Stop WebLogic
    - Edit StartWebLogic.sh to include the following line; in it, replace <grcc_dir> with the full path to the grcc directory you created in step 7.

      ```
      SAVE_JAVA_OPTIONS="${JAVA_OPTIONS} -Djava.security.
      auth.login.config=<grcc_dir>/grcc/WEB-INF/jaas.config
      -Xss512k -Xms256M -Xmx4096M -XX:MaxPermSize=512m
      -Djava.awt.headless=true "
      ```

    - Start WebLogic.
28. In a web browser, navigate to GRCC. The site (based on default WebLogic settings) is http://*host*:7001/grcc, in which *host* represents the FQDN of your GRCC server.
29. Complete the GRCC installation. To do so, follow instructions in the *Oracle Governance, Risk and Compliance Controls Installation and Upgrade Guide* for version 8.6.0; begin at step 11 on page 2-5. As you complete these steps:
    - When you see an instruction to start or stop Tomcat, start or stop WebLogic instead.
    - Substitute the GRCC URL for WebLogic wherever a GRCC URL for Tomcat appears.