Genesys Rules System Deployment Guide

Deploying GRE in Genesys Administrator

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Prerequisites

To install GRE on Configuration Servers 8.1.0 or later, Genesys Administrator 8.1.0 or later is required.

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Procedure

Import the installation package into Genesys Administrator.

1. On the **Deployment** tab of Genesys Administrator, select **Import**.
2. Select **Installation CD-ROM**.
3. Click **Next**.
4. Browse to the **MediaInfo.xml** file on the CD or the CD image location on the network (the path must be in UNC format).
5. Click **Next**.
6. To import the installation package, select GRE for your operating system as well as the appropriate type in the list:
    - For Management Framework 8.1, the type is `Business Rules Execution Server`.
    - For Management Framework 8.0 and earlier, the type is `Genesys Generic Server`.
7. Select **Next** to start the import.
8. Click **Finish** when the import is complete.

Install the GRE IP

1. Select the **Deployment** tab in Genesys Administrator. The list of installation packages will now display GRE.

2. Right-click and select **Install Package** for the IP for your operating system and type.
3. Click **Next** to start the installation wizard. The following parameters must be defined/selected:
    a. **Application Name** for the GRE application
    b. **Target Host**—The host to which the **.war** file will be copied during the installation procedure.
    c. **Working Directory**—The directory in which the **.war** file will be created.
    d. **Client Side IP Address** (optional).
    e. **Client Side Port** (optional).
    f. Configuration Server hostname.
    g. Configuration Server port.

> **Important**
> For a secure connection, the Configuration Server port should be of type `Auto Detect (Upgrade)`.

    h. Connection delay time in seconds
    i. **Reconnect Attempts**.

Configure the Rules Engine application

1. In the **[Server Info]** section, verify the default listening port, as well as the connector port on which the Rules Engine Servlet receives requests:
    - The **ID** value is the name of the Rules Engine web application. The default name of this application is `genesys-rules-engine`.
    - The **Listening port** is the connector port of the servlet container. For example, on Tomcat the default listening port is 8080.
    - The **Connection Protocol** must be `http`.
2. On the **Tenants** tab, add the Tenants that will be available to the Rules Engine.
3. On the **Connections** tab, add a connection to Message Server if you want to use network logging.
4. On the **Options** tab, configure options. In addition to the standard logging options that you can configure, you can configure an option named **fileEncoding** in the **[log]** section. **fileEncoding** specifies the encoding that is to be used during creation of the log file, for example, `UTF-8`. This value is optional. If you do not specify this option, the server's locale information will determine the log file encoding. This option is available for both GRE and GRAT. Also, the **log4j2.xml** file that is included in both components supports a similar option, **log4j.appender.runtime.Encoding**. The **log4j2.xml** file is used for initial log configuration prior to the reading of the log configuration from the Configuration Server database.
5. There are several optional configuration options to work with in the Configuration Options Reference Guide.
6. Save your changes.

Next Steps

Deploy the **genesys-rules-engine.war** file to your application server. See Deploying the .WAR files.