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# Genesys Rules System Deployment Guide

Creating an Application Cluster in Configuration Manager

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# Creating an Application Cluster in Configuration Manager

## Important

If you do not require the auto-synchronization feature you can continue to use the cluster configuration for 8.5.1—click [here](#) for details. Only Genesys Rules Engine (GRE) supports the auto-synchronization feature.

You can use a Configuration Server application template of type `Genesys_Rules_Engine_Application_Cluster` to define a group of Genesys Rules Engine (GRE) or Genesys Web Engagement engines. Engines in the group must be all of the same type—either all GRE engines or all Genesys Web Engagement engines.

When a user deploys a package in GRAT, the deployment target list may contain cluster application names. Partial deployments are possible when the `allow-partial-cluster-deployment` option in GRAT is set to value `true`. If this option is set to `false`, deployed packages are placed in service only after the deployment to all engines in the cluster is successful.

If deployment to any of the engines fails, details of the failure(s) are shown to the GRAT user and logged in the GRAT log. Partial deployments, where configured, are also displayed to the GRAT user and in the GRAT log.

## Procedure

1. Import an application template of type `Genesys_Rules_Engine_Application_Cluster`, if one does not already exist in your environment.
2. Create a Configuration Server application of type `Genesys_Rules_Engine_Application_Cluster`.
3. Enter a host and other mandatory information.

## Important

Host information is required by the configuration user interface, but it is not used.

4. Add as connections to this cluster application the engine applications you wish to treat as a cluster. For each connection be sure to select a Port ID (it does not matter which port) for the Rules Engine Web Application (either GRE or Genesys Web Engagement).
5. Add the cluster application as a connection to the GRAT application.
6. Save the changes.

This cluster application will now appear in the **Location** drop-down list in the **Deploy** window of GRAT and rules authors can select it as a deployment target.