



BEA WebLogic Server^R On-Demand Deployment

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Overview

There are many internal applications that are deployed during startup. These internal applications consume memory and require CPU time during deployment. This contributes to the WebLogic Server (WLS) startup time and base memory footprint. Since many of these internal applications are needed by every user, WLS has been modified to wait and deploy these applications on the first access (on-demand) instead of always deploying them during server startup. This reduces startup time and memory footprint.

Internal Application Types

There are two different types of internal applications. The first type displays a user interface; including the console, UDDI explorer, and WLS test client. The second type does not display a user interface; including UDDI and internal servlets for deployment and management file distribution.

For applications with a user interface, WLS displays a status page indicating that on-demand deployment is in progress. This page refreshes every 2 seconds. When the internal application completes deployment, the user is redirected to the internal application. This status page is displayed on the first access of each application. Subsequent invocations do not deploy the application and go directly to the user interface for the internal application.

Configuring On-Demand Deployment

For a development domain, the default is for WLS to deploy internal applications on demand. For a production-mode domain, the default is for WLS to deploy internal applications as part of startup. You can control the default behavior using a configuration attribute. The **InternalAppsDeployOnDemandEnabled** attribute has been added to the Domain MBean. You can change the configuration setting using the console or by using WLST.

Configuring On-Demand Deployment using the Console

To change the attribute using the console, perform the following steps:

- Start an edit session with the *Lock and Edit* button
- Click on the domain to bring up the *Configuration -> General* tab.
- Change the setting of the *Enable on-demand deployment of internal applications* check box.
- Click the *Save* button and then the *Activate Changes* to activate the changes that will take effect at the next restart of WLS.

Configuring On-Demand Deployment using WLST

To change the attribute using the WLST, perform the following steps:

- connect()
- edit()

- `startEdit()`
- `cmo.setInternalAppsDeployOnDemandEnabled(false)`
- `activate()`