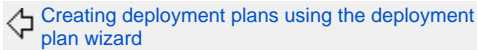


Understanding deployment plans



Creating deployment plans using the deployment plan wizard



Creating deployment plans

Every module that you install in Geronimo, whether it is a service, application, resource, and so on, can be configured via a deployment plan. These deployment plans are XML files based on XML Schemas containing the configuration details for a specific application module or component. The Java EE 5 specification defines standard deployment descriptors such as `web.xml`, `application.xml`, and so on. In some cases, the deployment descriptor is all that is required to install a module into a Geronimo server. However, in many cases, server-specific configuration is required when modules are installed. This server-specific configuration is accomplished by using Geronimo deployment plans.

Geronimo deployment plans can be packaged along with the application or specified externally at deployment time. If provided during deployment, this plan will overwrite any other Geronimo specific deployment plan provided with the application.

To package the deployment plans in your application you have to follow some naming conventions and place the file in a specific directory within your packaged application. For example, in a Web application you would include the `geronimo-web.xml` under the `/WEB-INF` directory, same place where you are also providing the `web.xml` descriptor, all within the WAR. For an enterprise application you would include the `geronimo-application.xml` under the `/META-INF` directory, same place where you are also providing the `application.xml` descriptor, all within the WAR.

Java EE Deployment Plans

Module Type	Geronimo Schema	Preferred Java EE Schema	JEE deployment descriptor (DD)	Geronimo deployment plan
General (Tomcat or Jetty) Web Application (WAR)	http://geronimo.apache.org/xml/ns/j2ee/web-2.0.1	web-app_2_5.xsd	<code>web.xml</code>	geronimo-web.xml
Tomcat-Only Web Application (WAR)	http://geronimo.apache.org/xml/ns/j2ee/web/tomcat-2.0.1	web-app_2_5.xsd	<code>web.xml</code>	geronimo-web.xml
Jetty-Only Web Application (WAR)	http://geronimo.apache.org/xml/ns/j2ee/web/jetty-2.0.2	web-app_2_5.xsd	<code>web.xml</code>	geronimo-web.xml
EJB (JAR)	http://openejb.apache.org/xml/ns/openejb-jar-2.2	ejb-jar_3_0.xsd	<code>ejb-jar.xml</code>	openejb-jar.xml
J2EE Connector (RAR)	http://geronimo.apache.org/xml/ns/j2ee/connector-1.2	connector_1_5.xsd	<code>ra.xml</code>	geronimo-ra.xml
Application Client (JAR)	http://geronimo.apache.org/xml/ns/j2ee/application-client-2.0	application-client_5.xsd	<code>application-client.xml</code>	geronimo-application-client.xml
Application (EAR)	http://geronimo.apache.org/xml/ns/j2ee/application-2.0	application_5.xsd	<code>application.xml</code>	geronimo-application.xml

Common Elements & Configuration

Module Type	Geronimo Schema	Description
Server Plans & Common Elements	http://geronimo.apache.org/xml/ns/deployment-1.2	Used to deploy new services in Geronimo in a standalone plan, and also contains common elements used by many other plans.
Geronimo Plugin Descriptor	http://geronimo.apache.org/xml/ns/plugins-1.3	Metadata on a Geronimo plugin or a list of available Geronimo plugins.
Security Mapping	http://geronimo.apache.org/xml/ns/security-2.0	Common security elements used by other plans.
Security Realms	http://geronimo.apache.org/xml/ns/loginconfig-2.0	Abbreviated syntax for configuring security realm and login module GBeans. You can either manually configure multiple GBeans or declare a single GBean for the realm using this to configure all the login modules.
Naming	http://geronimo.apache.org/xml/ns/naming-1.2	Common elements for references to other components (EJBs, database pools, JMS resources, J2EE Connectors, Web Services, etc.)
Primary Key Generator	http://openejb.apache.org/xml/ns/pkggen-2.1	Abbreviated syntax for configuring primary key generators for CMP entity beans. Avoids manually configuring and wiring up PK generator GBeans.
CORBA CSS Configuration	http://openejb.apache.org/xml/ns/corba-css-config-2.1	Abbreviated syntax for configuring security for clients accessing remote EJBs via CORBA.
CORBA TSS Configuration	http://openejb.apache.org/xml/ns/corba-tss-config-2.1	Abbreviated syntax for configuring security for EJBs exposed via CORBA.
config.xml	http://geronimo.apache.org/xml/ns/attributes-1.2	The format of the <code>var/config/config.xml</code> file.
Tomcat Web App Configuration	http://geronimo.apache.org/xml/ns/web/tomcat/config-1.0	If you use the generic (<code>geronimo-web-2.0.xsd</code>) web application configuration, you can use these elements in the <code>container-config</code> element to configure Tomcat-specific behavior.
Jetty Web App Configuration	http://geronimo.apache.org/xml/ns/web/jetty/config-1.0.1	If you use the generic (<code>geronimo-web-2.0.xsd</code>) web application configuration, you can use these elements in the <code>container-config</code> element to configure Jetty-specific behavior.

Further reading

- [geronimo-application.xml](#)
- [geronimo-application-client.xml](#)
- [geronimo-ra.xml](#)
- [geronimo-web.xml](#)
- [openejb-jar.xml](#)
- [persistence.xml](#)