

```

    </resource-ref>
  </jsp-config/>
</glassfish-web-app>

```

The glassfish-ejb-jar.xml File

The `glassfish-ejb-jar.xml` file configures an enterprise bean (EJB JAR file). The element hierarchy is as follows:

```

glassfish-ejb-jar
. security-role-mapping
. . role-name
. . principal-name
. . group-name
. enterprise-beans
. . name
. . unique-id
. . ejb
. . . ejb-name
. . . jndi-name
. . . ejb-ref
. . . . ejb-ref-name
. . . . jndi-name
. . . . resource-ref
. . . . . res-ref-name
. . . . . jndi-name
. . . . . default-resource-principal
. . . . . . name
. . . . . . password
. . . . resource-env-ref
. . . . . resource-env-ref-name
. . . . . jndi-name
. . . . service-ref
. . . . . service-ref-name
. . . . . port-info
. . . . . . service-endpoint-interface
. . . . . . . wsdl-port
. . . . . . . namespaceURI
. . . . . . . localpart
. . . . . . stub-property
. . . . . . . name
. . . . . . . value
. . . . . . call-property
. . . . . . . name
. . . . . . . value
. . . . . . message-security-binding
. . . . . . . message-security
. . . . . . . . message
. . . . . . . . . java-method
. . . . . . . . . . method-name
. . . . . . . . . . method-params
. . . . . . . . . . . method-param
. . . . . . . . . . . operation-name
. . . . . . . . . . . request-protection
. . . . . . . . . . . response-protection

```

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. . . . call-property
. . . . . name
. . . . . value
. . . . . wsdl-override
. . . . . service-impl-class
. . . . . service-qname
. . . . . namespaceURI
. . . . . localpart
. . . message-destination-ref
. . . . message-destination-ref-name
. . . . jndi-name
. . . pass-by-reference
. . . cmp
. . . . mapping-properties
. . . . is-one-one-cmp
. . . . one-one-finders
. . . . . finder
. . . . . . method-name
. . . . . . query-params
. . . . . . query-filter
. . . . . . query-variables
. . . . . . query-ordering
. . . . prefetch-disabled
. . . . . query-method
. . . . . . method-name
. . . . . . method-params
. . . . . . . method-param
. . . principal
. . . . name
. . . mdb-connection-factory
. . . . jndi-name
. . . . default-resource-principal
. . . . . name
. . . . . password
. . . . jms-durable-subscription-name
. . . . jms-max-messages-load
. . . . ior-security-config
. . . . . transport-config
. . . . . . integrity
. . . . . . confidentiality
. . . . . . establish-trust-in-target
. . . . . . establish-trust-in-client
. . . . . as-context
. . . . . . auth-method
. . . . . . realm
. . . . . . required
. . . . . sas-context
. . . . . . caller-propagation
. . . . is-read-only-bean
. . . . refresh-period-in-seconds
. . . . commit-option
. . . . cmt-timeout-in-seconds
. . . . use-thread-pool-id
. . . . gen-classes
. . . . . remote-impl
. . . . . local-impl
. . . . . remote-home-impl
. . . . . local-home-impl
. . . . bean-pool

```

```

. . . . steady-pool-size
. . . . resize-quantity
. . . . max-pool-size
. . . . pool-idle-timeout-in-seconds
. . . . max-wait-time-in-millis
. . . bean-cache
. . . . max-cache-size
. . . . resize-quantity
. . . . is-cache-overflow-allowed
. . . . cache-idle-timeout-in-seconds
. . . . removal-timeout-in-seconds
. . . . victim-selection-policy
. . . mdb-resource-adapter
. . . . resource-adapter-mid
. . . . activation-config
. . . . . description
. . . . . . activation-config-property
. . . . . . . activation-config-property-name
. . . . . . . activation-config-property-value
. . . . webservice-endpoint
. . . . . port-component-name
. . . . . endpoint-address-uri
. . . . . login-config
. . . . . . auth-method
. . . . . . realm
. . . . . message-security-binding
. . . . . . message-security
. . . . . . . message
. . . . . . . . java-method
. . . . . . . . . method-name
. . . . . . . . . method-params
. . . . . . . . . . method-param
. . . . . . . . . operation-name
. . . . . . . . . request-protection
. . . . . . . . . response-protection
. . . . . transport-guarantee
. . . . . service-qname
. . . . . tie-class
. . . . . servlet-impl-class
. . . . . debugging-enabled
. . . . . property (with subelements)
. . . . . . name
. . . . . . value
. . . . flush-at-end-of-method
. . . . . method
. . . . . . description
. . . . . . ejb-name
. . . . . . method-name
. . . . . . method-intf
. . . . . . method-params
. . . . . . . method-param
. . . . . checkpointed-methods
. . . . . checkpoint-at-end-of-method
. . . . . . method
. . . . . . . description
. . . . . . . ejb-name
. . . . . . . method-name
. . . . . . . method-intf
. . . . . . . method-params

```

- method-param
- . . . per-request-load-balancing
- . . pm-descriptors
- . . cmp-resource
 - . . . jndi-name
 - . . . default-resource-principal
 - name
 - password
 - . . . property (with subelements)
 - name
 - value
 - . . . create-tables-at-deploy
 - . . . drop-tables-at-undeploy
 - . . . database-vendor-name
 - . . . schema-generator-properties
 - property (with subelements)
 - name
 - value
- . . message-destination
 - . . . message-destination-name
 - . . . jndi-name
- . . webservice-description
 - . . . webservice-description-name
 - . . . wsdl-publish-location
 - . . property (with subelements)
 - . . . name
 - . . . value
- . compatibility
- . disable-nonportable-jndi-names
- . keep-state
- . version-identifier

Note – If any configuration information for an enterprise bean is not specified in the glassfish-ejb-jar.xml file, it defaults to a corresponding setting in the EJB container if an equivalency exists.

Here is a sample glassfish-ejb-jar.xml file:

```
<!DOCTYPE glassfish-ejb-jar PUBLIC "-//GlassFish.org//
DTD GlassFish Application Server 3.1 EJB 3.1//EN"
"http://glassfish.org/dtds/glassfish-ejb-jar_3_1-1.dtd">
<glassfish-ejb-jar>
<display-name>First Module</display-name>
<enterprise-beans>
  <ejb>
    <ejb-name>CustomerEJB</ejb-name>
    <jndi-name>customer</jndi-name>
    <bean-pool>
      <steady-pool-size>10</steady-pool-size>
      <resize-quantity>10</resize-quantity>
      <max-pool-size>100</max-pool-size>
      <pool-idle-timeout-in-seconds>600</pool-idle-timeout-in-seconds>
    </bean-pool>
    <bean-cache>
      <max-cache-size>100</max-cache-size>
    </bean-cache>
  </ejb>
</enterprise-beans>
</glassfish-ejb-jar>
```

```

        <resize-quantity>10</resize-quantity>
        <removal-timeout-in-seconds>3600</removal-timeout-in-seconds>
        <victim-selection-policy>LRU</victim-selection-policy>
    </bean-cache>
</ejb>
<cmp-resource>
    <jndi-name>jdbc/__default</jndi-name>
    <create-tables-at-deploy>true</create-tables-at-deploy>
    <drop-tables-at-undeploy>true</drop-tables-at-undeploy>
</cmp-resource>
</enterprise-beans>
<keep-state>true</keep-state>
</glassfish-ejb-jar>

```

The sun-cmp-mappings.xml File

The sun-cmp-mappings.xml file configures container-managed persistence for an EJB 2.0 or 2.1 entity bean. The element hierarchy is as follows:

```

sun-cmp-mappings
.  sun-cmp-mapping
.  .  schema
.  .  entity-mapping
.  .  .  ejb-name
.  .  .  table-name
.  .  .  cmp-field-mapping
.  .  .  .  field-name
.  .  .  .  column-name
.  .  .  .  read-only
.  .  .  .  fetched-with
.  .  .  .  .  default
.  .  .  .  .  level
.  .  .  .  .  named-group
.  .  .  .  .  none
.  .  .  cmr-field-mapping
.  .  .  .  cmr-field-name
.  .  .  .  column-pair
.  .  .  .  .  column-name
.  .  .  .  fetched-with
.  .  .  .  .  default
.  .  .  .  .  level
.  .  .  .  .  named-group
.  .  .  .  .  none
.  .  .  secondary-table
.  .  .  .  table-name
.  .  .  .  column-pair
.  .  .  .  .  column-name
.  .  .  consistency
.  .  .  .  none
.  .  .  .  check-modified-at-commit
.  .  .  .  lock-when-loaded
.  .  .  .  check-all-at-commit
.  .  .  .  lock-when-modified
.  .  .  .  check-version-of-accessed-instances
.  .  .  .  .  column-name

```