

contexts are marked for removal from service, a call must be made to `Policy.refresh` on all of the Policy providers from which at least one module of the application or module was marked for removal from service.

3.1.8 Deploying to an existing Policy Configuration

Containers are not required to deploy to an existing policy configuration. Containers that chose to provide this functionality must satisfy the following requirements.

To associate an application or module with an existing set of linked policy contexts, the identifiers of the existing policy contexts must be applied by the relevant containers in fulfilling their obligations as defined in the Policy Decision and Enforcement Subcontract. The policy contexts should be verified for existence, by calling the `inService` method of the `PolicyConfigurationFactory` of the Policy providers of the relevant containers. The deployment tools must call `Policy.refresh` on the Policy provider of each of the relevant containers, and the containers must not perform pre-dispatch decisions or dispatch requests for the deployed resources until these calls have completed.

In Servlet 3.0 containers, if any programmatic registration and security configuration of servlets has occurred during the initialization of a web module associated with a pre-existing policy context, the corresponding `PolicyConfiguration` object must be opened, its policy statements must be removed, and the policy translation of the module must be repeated to include the programmatic effects. The `PolicyConfiguration` object must be committed, and an additional call to `Policy.refresh` must be made after all such `PolicyConfiguration` objects are committed.

3.1.9 Redeploying a Module

Containers are not required to implement redeployment functionality. Containers that chose to provide this functionality must satisfy the following requirements.

To ensure redeployment does not create a situation where the removal of policy statements on application components renders what were protected components unprotected, the application server must stop dispatching requests for the application's components before redeployment begins. The application server must not resume dispatching requests for the application's components until after the calls to `Policy.refresh`, described in Section 3.1.6, "Deploying an Application or Module", have completed.