
Policy Decision and Enforcement Subcontract

The Policy Decision and Enforcement Subcontract defines the interactions between container policy enforcement points and the providers that implement the policy decisions required by Java EE containers.

4.1 Policy Enforcement by Servlet Containers

Servlet containers must employ the methods defined in the following subsections to enforce the authorization policies established for web resources.

4.1.1 Permission Names for Transport and Pre-Dispatch Decisions

The name of the permission checked in a transport or pre-dispatch decision must be the unqualified request URI minus the context path. All colon characters occurring within the name must be represented using escaped encoding¹. For the special case where this transformation of the request URI yields the URLPattern `"/"`, the empty string URLPattern, `""`, must be used as the permission name.

For the special case where the empty string must be substituted for the `"/"` pattern in the permission evaluation, all target related processing (including servlet mapping, filter mapping, and form based login processing) must be performed using the original pattern, `"/"`.

¹. The `HttpServletRequest` based constructors of `WebResourcePermission` and `WebUserDataPermission` must perform the escaped encoding. For all other constructors, the encoding must be performed prior to invoking the constructor. See issue Section B.22, “Colons Within path-segment of Request URI.”