For each security-role defined in the deployment descriptor, an additional WebRoleRefPermission must⁶ be added to the corresponding role by calling the the addToRole method on the PolicyConfiguration object. The name of all such permissions must be the empty string, and the actions of each such permission must be the role-name of the corresponding role.

3.1.3.3 Servlet URL-Pattern Matching Rules

This URL pattern matches another pattern if they are related, by case sensitive comparison, as follows:

- their pattern values are String equivalent, or
- this pattern is the path-prefix pattern "/*", or
- this pattern is a path-prefix pattern (that is, it starts with "/" and ends with "/*") and the other pattern starts with the substring of this pattern, minus its last 2 characters, and the next character of the other pattern, if there is one, is "/", or
- this pattern is an extension pattern (that is, it starts with "*.") and the other pattern ends with this pattern, or
- this pattern is the special default pattern, "/", which matches all other patterns.

pattern type	example
exact	/acme/widget/hammer
path prefix	/acme/widget/*
extension	*.html
default	/

TABLE 3-2 url-pattern Types by Example

3.1.3.4 Example

This example demonstrates the WebResourcePermission and WebUserDataPermission objects that would result from the translation of a deployment descriptor that contained the following security-constraint elements.

⁶ These additional WebRoleRefPermission objects support the use of isU-serInRole from unmapped (to a Servlet) JSP components.