

A null or empty string `HTTPMethodSpec` indicates that the permission applies to all HTTP methods at the resources identified by the URL pattern.

If the `HTTPMethodSpec` contains an `HTTPMethodExceptionList` (i.e., it begins with an exclamation-point), the permission pertains to all methods except those occurring in the exception list.

Parameters:

`name` - the `URLPatternSpec` that identifies the application specific web resources to which the permission pertains. All `URLPatterns` in the `URLPatternSpec` are relative to the context path of the deployed web application module, and the same `URLPattern` must not occur more than once in a `URLPatternSpec`. A null `URLPatternSpec` is translated to the default `URLPattern`, “/”, by the permission constructor. All colons occurring within the `URLPattern` elements of the `URLPatternSpec` must be represented in escaped encoding as defined in RFC 2396.

`actions` - identifies the HTTP methods to which the permission pertains. If the value passed through this parameter is null or the empty string, then the permission pertains to all the possible HTTP methods.

`WebResourcePermission(java.lang.String urlPatternSpec, java.lang.String[] HTTPMethods)`

```
public WebResourcePermission(java.lang.String urlPatternSpec, java.lang.String[]
    HTTPMethods)
```

Creates a new `WebResourcePermission` with name corresponding to the `URLPatternSpec`, and actions composed from the array of HTTP methods.

Parameters:

`urlPatternSpec` - the `URLPatternSpec` that identifies the application specific web resources to which the permission pertains. All `URLPatterns` in the `URLPatternSpec` are relative to the context path of the deployed web application module, and the same `URLPattern` must not occur more than once in a `URLPatternSpec`. A null `URLPatternSpec` is translated to the default `URLPattern`, “/”, by the permission constructor. All colons occurring within the `URLPattern` elements of the `URLPatternSpec` must be represented in escaped encoding as defined in RFC 2396.

`HTTPMethods` - an array of strings each element of which contains the value of an HTTP method. If the value passed through this parameter is null or is an array with no elements, then the permission pertains to all the possible HTTP methods.

`WebResourcePermission(javax.servlet.http.HttpServletRequest request)`

```
public WebResourcePermission(javax.servlet.http.HttpServletRequest request)
```

Creates a new `WebResourcePermission` from the `HttpServletRequest` object.

Parameters:

`request` - the `HttpServletRequest` object corresponding to the Servlet operation to which the permission pertains. The permission name is the substring of the `requestURI` (`HttpServletRequest.getRequestURI()`) that begins after the `contextPath` (`HttpServletRequest.getContextPath()`). When the substring operation yields the string “/”, the permission is constructed with the empty string as its name. The permission’s `actions` field is obtained from `HttpServletRequest.getMethod()`. The constructor must transform all colon characters occurring in the name to escaped encoding as defined in RFC 2396.