

## NetIQ Access Manager Template Action Policy Readme

The Policy extension examples include:

- PolicyActionExtnDenyFactoryTemplate.java
- PolicyActionExtnDenyTemplate.java
- PolicyActionExtnPermitFactoryTemplate.java
- PolicyActionExtnPermitTemplate.java
- PolicyActionExtnObligationFactoryTemplate.java
- PolicyActionExtnObligationTemplate.java

### Purpose

This example can be used as a template to implement a policy extension of type Action that is com.novell.nxpe.NxpeContextActionElement. This example provides a basic framework that can be used as a starting point for creating action policy (com.novell.nxpe.NxpeContextActionElement.) extensions.

### Functionality

This policy action extension can be of type "Deny", "Permit" or "Obligation". An action defined as "Deny" extension in UI will always Deny access and the one defined as "Permit" extension in UI will always permit access. The one defined as obligation will have obligation action. Deny Action Extension can return "Custom Deny message" or "Custom Redirect URL".

The implementations details of each type of action extension varies slightly and hence have been discussed separately. Each type "Deny", "Permit" or "Obligation" uses its own java classes. The policy created to be associated with the extension, evaluates the logic of the extension and accordingly grants or denies access to the protected resources and perform further actions.

All types of Action extension have to return "NxpeResult.Success" on Success and on Failure (NxpeResult.GeneralFailure,NxpeResult.ErrorDataUnavailable etc) or can return Uncaught/throw exception to the policy. If error is returned, then it will be logged in the logs.

For more information about implementation of policy extension of different types see:

- [Policy Action Extension \(Permit\)](#)
- [Policy Action Extension \(Deny\)](#)
- Policy Action Extension (Obligation)

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