



Jetspeed-2 Portal Components v.2.1.2

Project Documentation

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1.1 Portal Overview

Portal Overview

The core portal components are:

- The portal engine
- The [request pipeline](#)
- The aggregation engine
- The portlet container engine integration

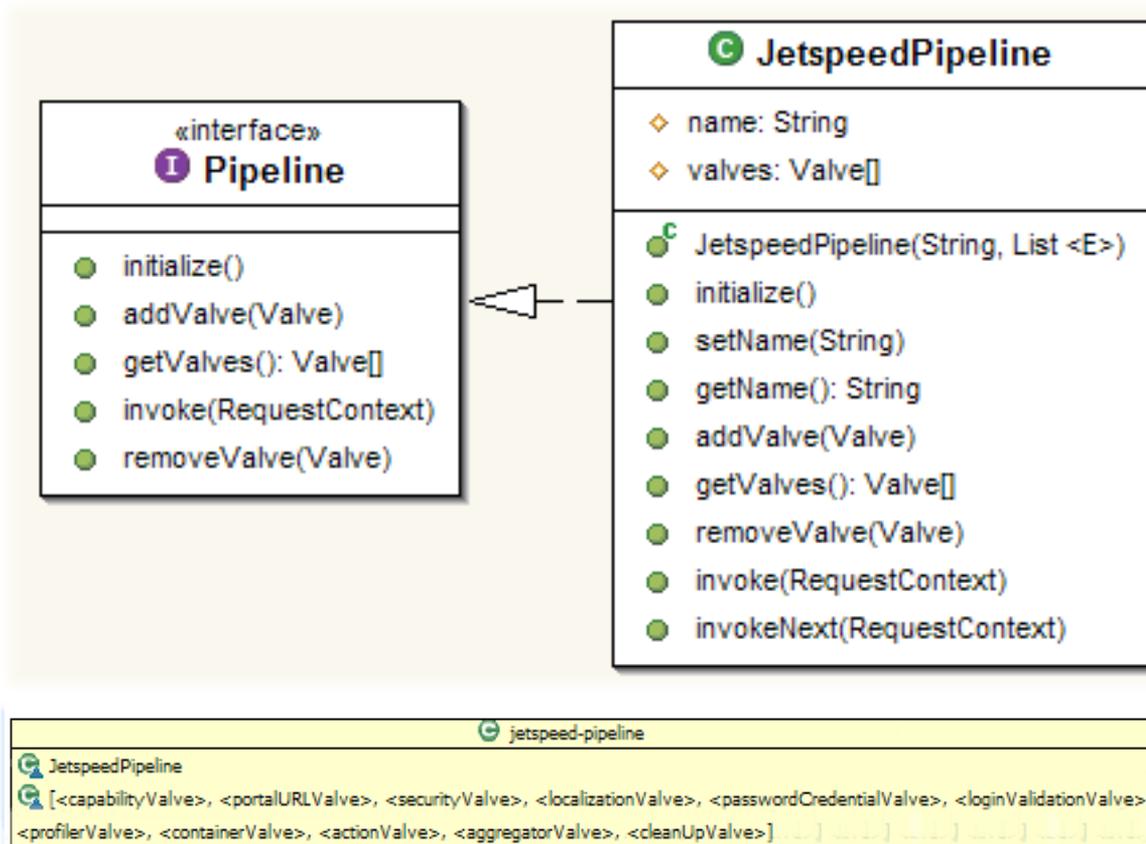
1.2 Request Pipeline

Request Pipeline

In Jetspeed-2, a request pipeline performs individual operations to the request.

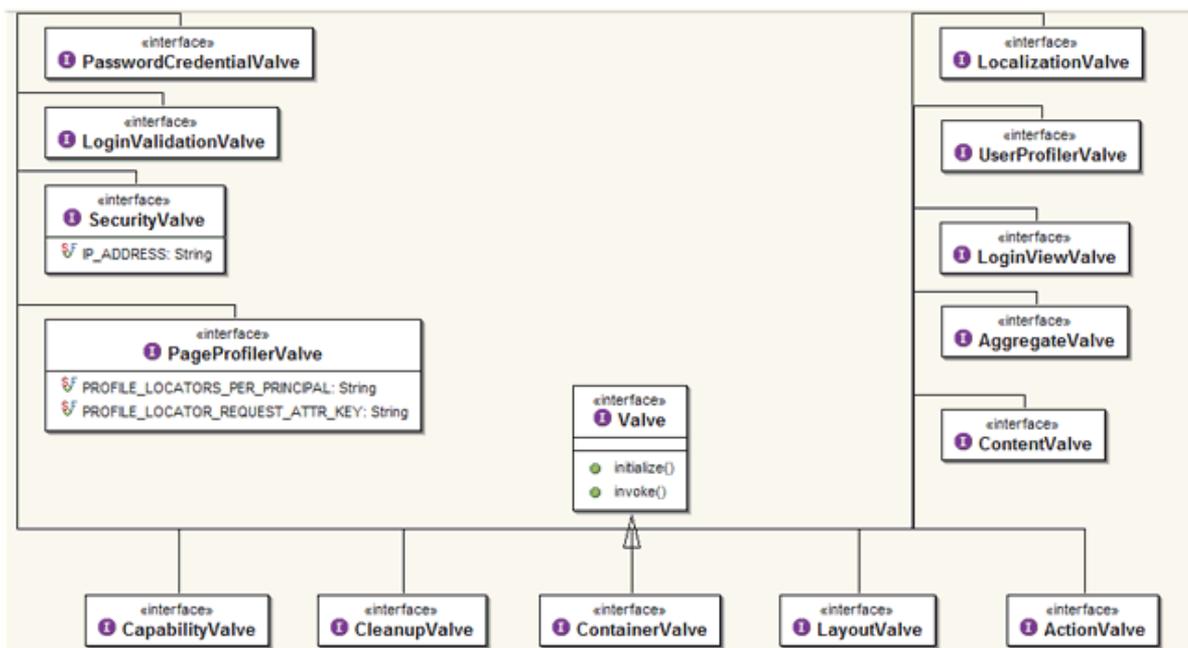
Pipeline Concepts

A Pipeline is made of Valves chained together in a chain of responsibility pattern. The JetspeedPipeline implementation assembles a ordered list of Valves that are processed sequentially.



Jetspeed-2 Valves

Jetspeed-2 provides various type of Valve as illustrated below:



The above valves serve the following purpose:

Valve Name	Description
ActionValve	Check if <code>PortletAction</code> needs to be processed and process it, if required. Used in the portlet pipeline.
AggregateValve	Invokes all Layout components in render mode to aggregate the generated contents and send the result to the client.
CapabilityValve	Identifies the browser and adds a <code>CapabilityMap</code> to the <code>RequestContext</code> .
CleanupValve	Looks for JSP pages that were pushed onto the <code>org.apache.jetspeed.renderStack</code> request attribute, and attempts to include them.
LoginValidationValve	Checks if a login attempt failed and determines the cause.
PasswordCredentialValve	Checks the <code>PasswordCredential</code> (only once) after a User is logged in and redirects to a change password page if necessary.
SecurityValve	Authenticates the user or redirects to Login if necessary, adds the authenticated Subject to the <code>RequestContext</code> .