

The Google Portlet

The Google Prototype Portlet


Google has a defined and supported Web-services API. This prototype portlet was developed to demonstrate the use of the JSR 168 portlet specification, use of Web services to exchange search requests and responses, role-based presentation, and internationalization

- ## The technology
- JSR-168 Portlet
 - Uses the Google Search Web-services based API (application programming interface)
 - XSLT for presentation layer
 - Role-based presentation
 - Includes JSR 168 View, Edit and Help Modes
 - Supports multiple languages
 - Unlimited paging search results

- ## Portlet Modes
- A portlet 'mode' is the function it is currently performing
- The JSR-168 Specification defines three distinct modes, View, Edit and Help, as well as the ability to create custom modes.
 - The CREE Google portlet supports all three pre-defined modes.


Portlet Modes – View Mode

The **View Mode** is the most commonly used 'mode.'



Portlet Modes – View Mode

Search Results are still in the View mode of the portlet



Portlet Modes – Roles

The interface changes according to the 'role' of the current account.

Student



Administrator



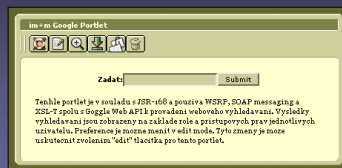
Portlet Modes – Edit Mode

The **Edit Mode** allows the user to change the parameters for the portlet.



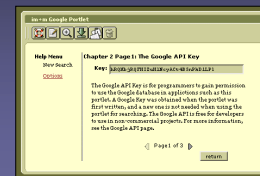
Portlet Modes – Edit Mode

Any changes in Edit Mode take effect immediately.



Portlet Modes – Help Mode

The Portlet **Help Mode** provides assistance to the user. It uses an XML input document to create the index and content pages.



Technical Hurdles

- Using uPortal Users and Roles with the portlet
 - Parse the Sax String
 - Replace the values
- Adding parameters to portlet action/render URLs