

Introduction

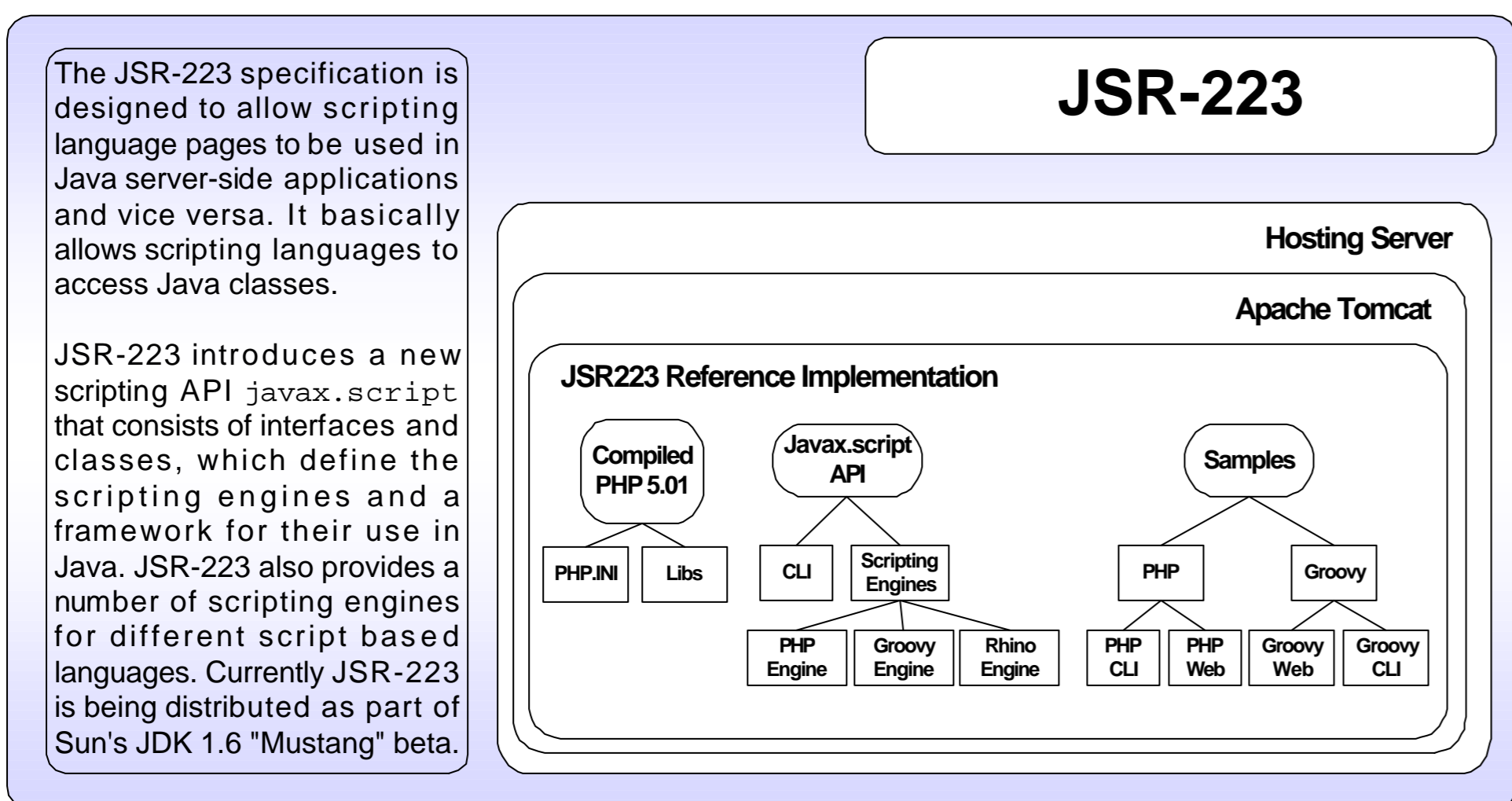
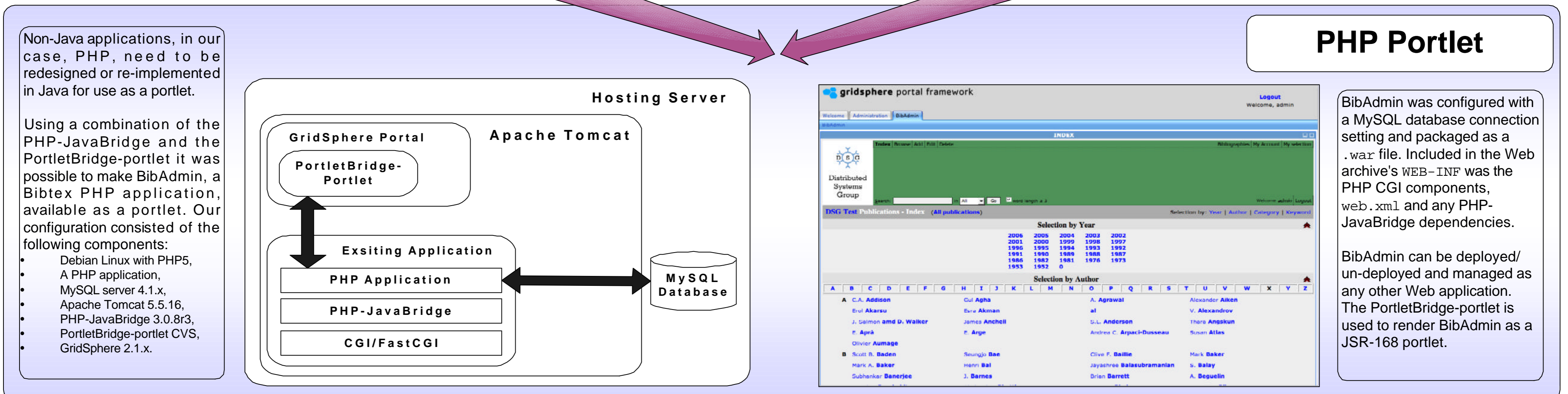
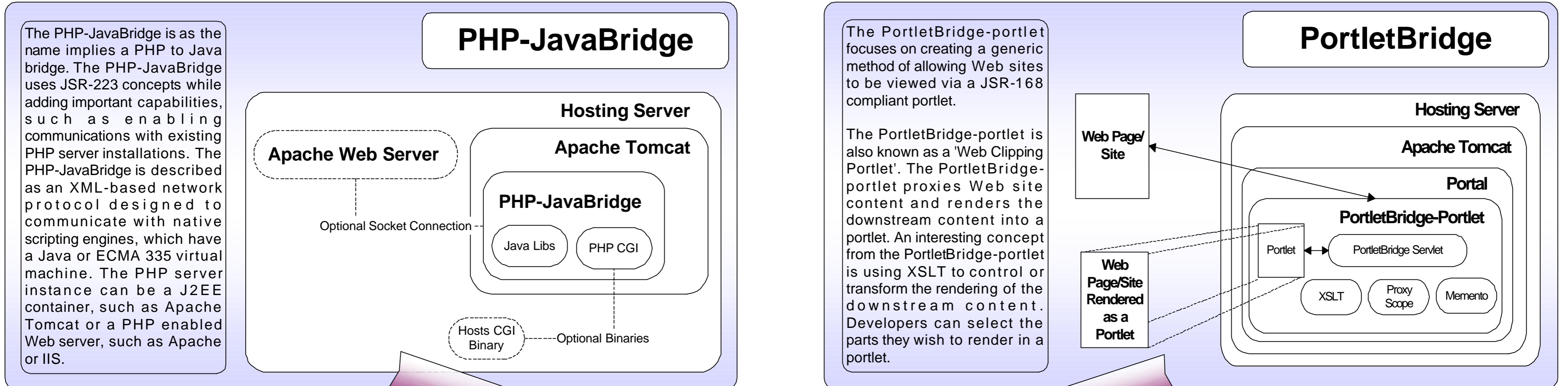
Sakai is open source hosting framework for Virtual Learning and Virtual Research environments. Sakai was developed in the USA with funding from numerous sources, including the Mellon Foundation and Ivy League Universities.

Sakai VRE Demonstrator Project

This project aims to introduce scientists and researchers to the capabilities of a VRE through a working portal-based demonstrator and to use Sakai as a framework technology. The project is extending the framework, developing further tools for collaboration and research, and engaging with the research community.

Portal Bridges

Portal frameworks impose a number of constraints and limitations on the integration of legacy applications. This typically means that significant effort is needed to embed an application into a portal, and results in the need to fork the source tree of the application for the purposes of integration. We have been investigating the use of existing Web applications through portlets via bridging technologies.



Future

As bridging technologies become more popular, it will become common practise to merge and manipulate the best features of Java, and script-based languages.

Developers can also concentrate on an applications usability, rather than integration of technologies. This technique can provide rapid portlet development resulting in highly usable portlets.

The Apache Portals Bridges project is another bridging technology for script-based languages, which is gathering popularity with portal developers and has started to be included in portals, such as GridSphere. Developments in this area should increase with the inclusion of JSR-223 in the next release of Sun's JDK.

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