

The JBoss SSO Framework

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Speaker Introduction

- Sohil Shah is a Web Infrastructure Developer at JBoss.
- Anil Saldhana is a member of R & D organization at JBoss.
- Scott Stark is the cofounder of JBoss Inc and is currently the VP of Technology and Integration.

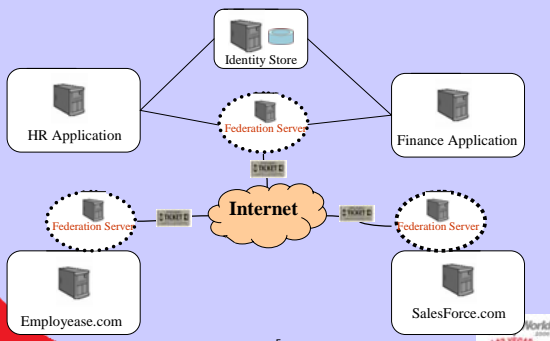
What is Single Sign On (SSO)?

- Single Sign On (SSO) is a specialized form of user authentication that enables a user to be authenticated once, and gain access to resources on multiple systems/web applications during that session.

Benefits of Single Sign On

- Helps consolidate silos of identity stores that have cropped up over time with multiple web applications.
- Improves user account provisioning process dramatically.
- Provides a better end user experience using web SSO.
- Improves efficiency when integrating user access to new applications including 3rd party ASP services like Salesforce.com.
- Enables secure intra-company access to applications between enterprises and their partners, suppliers, and customer organizations.

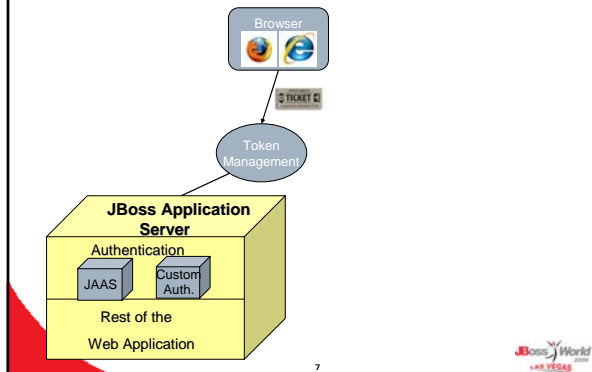
Architecture – Bird's Eye View



The JBoss-SSO Framework

- The JBoss-SSO Framework consists of the following components:
 - ✓ Token Marshalling Framework
 - ✓ Identity Management Framework
 - ✓ Federation Server

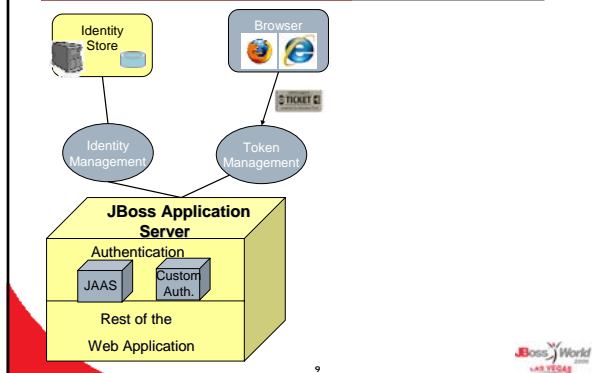
Token Marshalling Framework



Token Marshalling Framework

- The Federation Token – A Federation Token is an Authentication Assertion that is provided to the user for that particular web session.
- This is a flexible/pluggable Java API to marshal/unmarshal a federation token.
- The framework comes with a SAML compliant marshaller/unmarshaller out-of-the-box.
- The pluggable nature of the framework allows you to plug-in other token formats (like Kerberos tickets, etc.) that are fit for your particular federation.

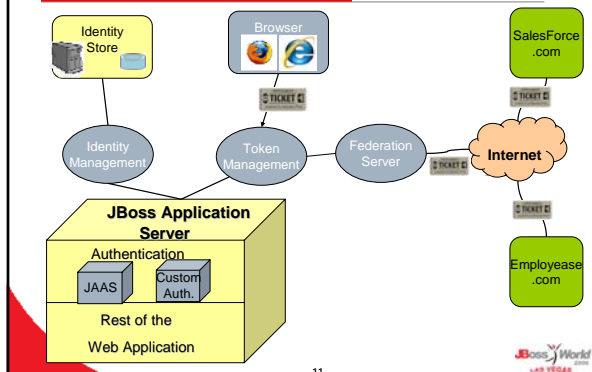
Identity Management Framework



Identity Management Framework

- This is a flexible/pluggable Java API to connect to central identity stores
- It comes with a built-in provider to connect to LDAP based stores
- Support for other standard technologies like Active Directory etc will be integrated in future releases
- Its pluggable nature lets an organization create custom providers that can integrate with custom identity stores or third party systems like SiteMinder, Netscape Identity Server etc

Federation Server

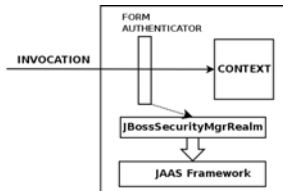


Federation Server

- A Federation Server is used for securely propagating the federation token across applications located in different security domains
- Note: If a Federation of sites all belong to the same security domain, this component is not required
- The Federation Server is extremely useful for integrating third party ASP services like SalesForce.com into your federation

Core JBoss Technology Support

- JBoss Security Authentication Framework (based on JAAS).
- Externalization of Tomcat Authenticators.
 - ✓ Customize tomcat security.



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Future Roadmap

- Support for federated web services using standards like WS-Security, WS-Trust, WS-Federation, and WS-Policy.
- Adding Support for more authentication methods like Certificate based, and Secure Remote Password (SRP) protocol
- Add federated provisioning to the Federation Server to facilitate business functions like account linking & account synchronization.
- Add support for connecting with more Identity Stores like Active Directory, Windows Logon, SiteMinder etc

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Demo / QA

- First member of the federation - JBoss.com marketing portal – <http://www.proto.jboss.com>
- Second member of the federation – JBoss.org community portal – <http://www.proto.jboss.org>
- Username: admin, Password : admin
- Username: user, Password : user

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