



Admin Console Pluggibility for GlassFish V3

<https://glassfish.dev.java.net>

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Jan 9, 2008

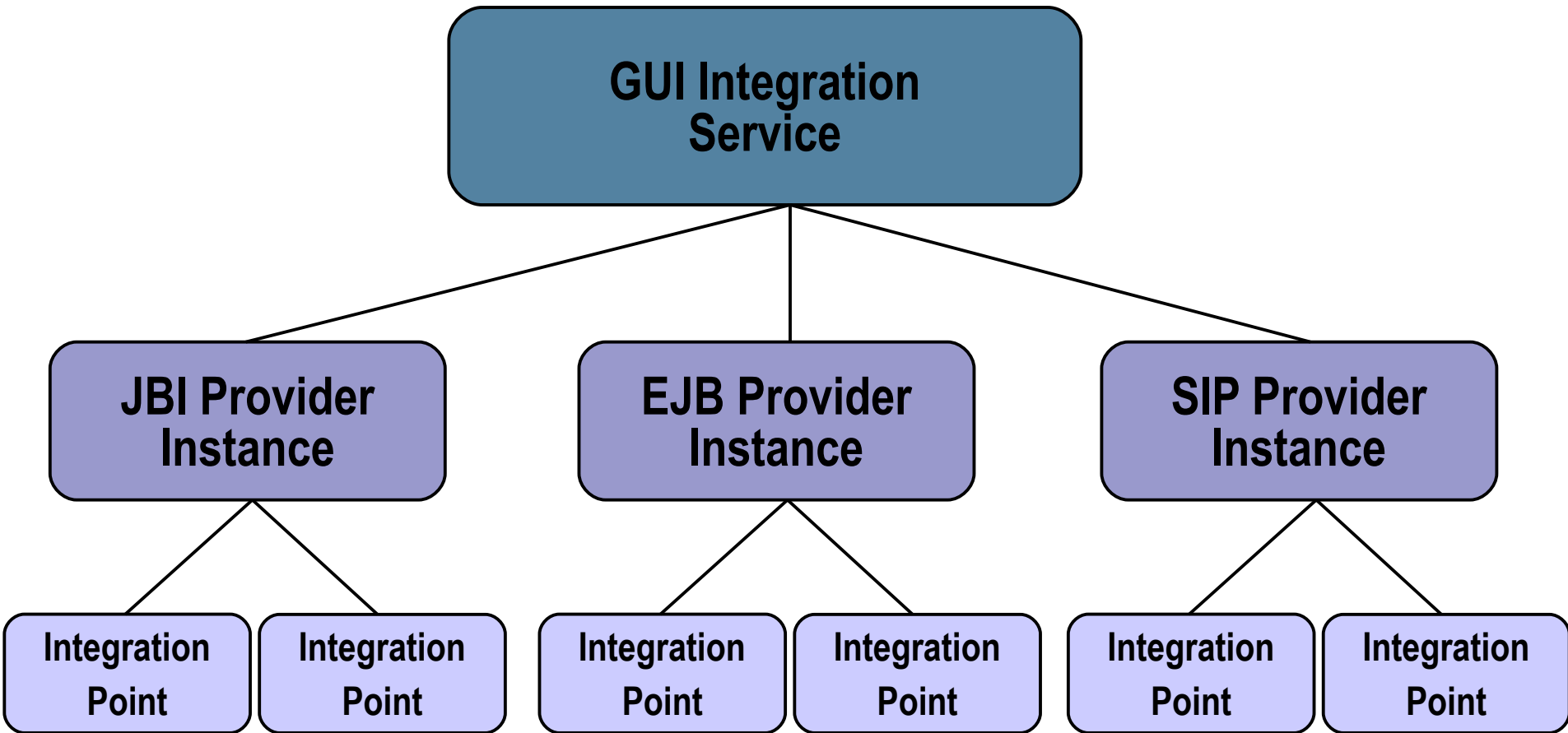
Sun Microsystems, Inc.



Agenda

- **Integration Points**
- Integration Design

Integration Design



Integration Points

- Tree Nodes
 - > Allows other modules to have its own tree node for navigation.
 - > Example: SIP and JBI may specify the location their tree nodes

Integration Points

- Tabs
 - > Allows other modules to add additional tabs to existing tab sets
 - > Example: A new “JBI” tab for clusters



Clusters > cluster8

General Applications Instances Resources **JBI**

General Information

To start or stop any server instance, its node agent must be running. Refer to the online help for more information.

Start Cluster Stop Cluster Migrate EJB Timers ...

Save

Name: cluster8

Configuration: cluster8-config

Integration Points

- Online Help
 - > Allows for custom context sensitive help
 - > Provide a way for plugin module to integrate the help set.

Integration Points

- Page-specific Integration
 - > Plugin module provides additional content or actions
 - > Example: Application filter list includes types from the plugin module

Application Server Admin Console

Clusters > cluster8

General Applications Instances Resources JBI

Applications

Enable, disable, and remove selected applications associated with the cluster. Removing the application will only remove the application from this cluster, application will not be undeployed.

Applications (2)

Deploy... Remove -- More Actions -- Filter: -- Show All --

	Name	Enabled	Type
<input checked="" type="checkbox"/>	clusterjsp	true	Enterprise A
<input type="checkbox"/>	hello	true	Web Applica

Filter dropdown menu:

- Show All --
- Show All --
- Enterprise Applications
- Web Applications
- EJB Modules
- Lifecycle Modules
- Connector Resources
- Application Client Modules
- Custom MBeans

EasyCrop Demo

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Integration Points

- Page-specific Integration (continued)
 - > Example: Log Levels specific to the plugin show up in list of configurable log levels (not just a Property).

Util (javax.enterprise.system.util;)

Verifier (javax.enterprise.system.tools.verifier;)

Web Container (javax.enterprise.system.container.web; org.apache.catalina; org.apache.coyote; org.apache.jasper;)

Additional Properties (1)		
<input type="checkbox"/> <input type="checkbox"/> <input type="button" value="Add Property"/> <input type="button" value="Delete Properties"/>		
	Name	Value
<input type="checkbox"/>	com.sun.jbi.jsf	FINE

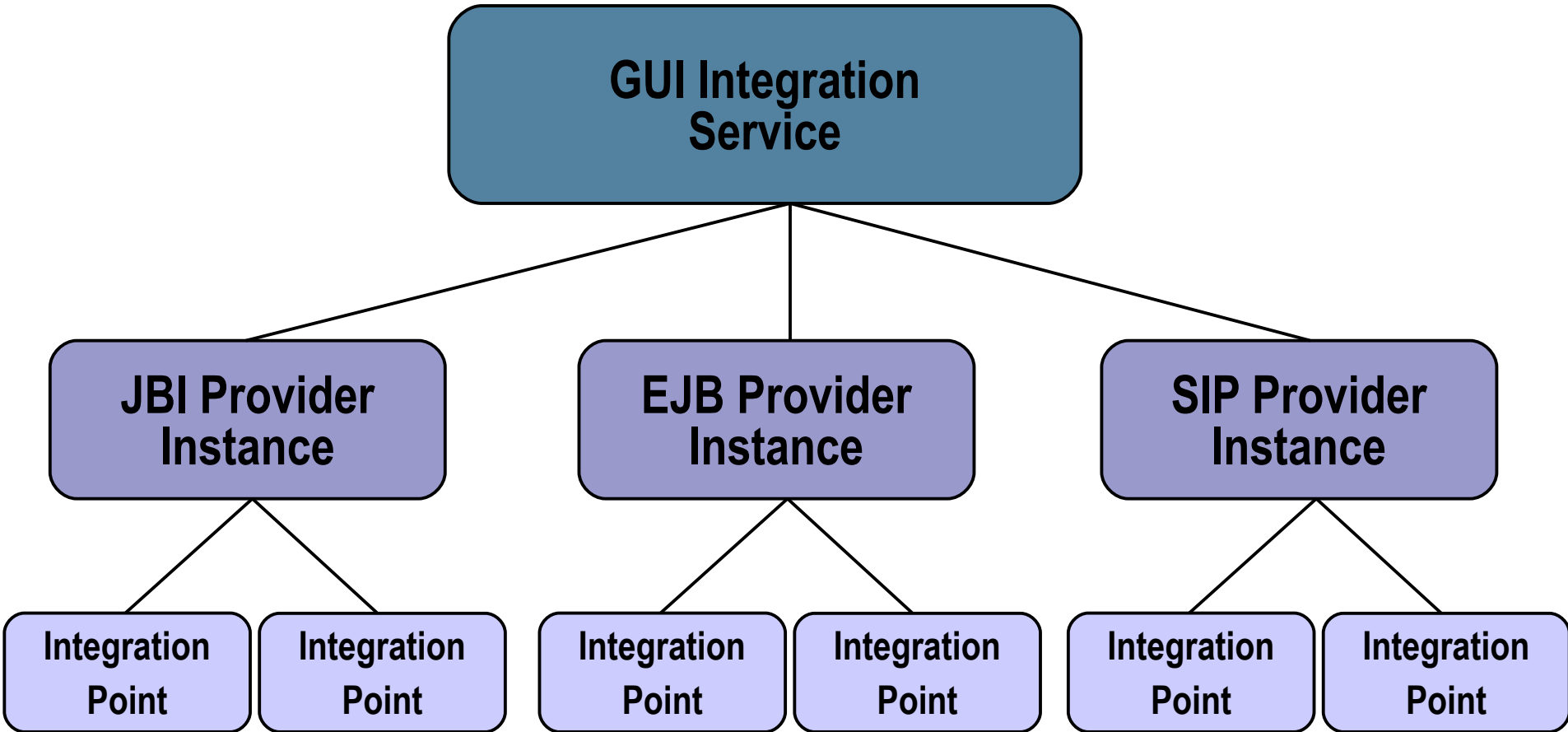
Integration Points

- Pluggable Look & Feel
 - > Ability to add or replace styles, images, and text that define the Look & Feel of the application.
 - > Example: Login Screen
 - > Example: Header Image / content

Agenda

- Integration Points
- **Integration Design**

Integration Design



Integration Design

- Integration Point
 - > Data describing a point of integration
 - Type – Defines where it is used.
 - Priority – Helps order similar Integration Points
 - ResourceURI – Pointer to integration content
 - Events – Event / Handler information

Integration Design

- Provider
 - > Interface providing access to Integration Points
 - > Multiple implementations possible
 - JMX Provider
 - Properties File Provider
 - XML Provider
 - Java Provider
 - etc.
 - > 1 instance per plugin

Integration Design

- Service
 - > Admin GUI's access point for getting Integration Points
 - > Handles dynamic adding / removing of Providers
- Open Issues:
 - > Does Service “find” Providers? Or are Providers registered?
 - > What prevents a Service from being a single point of failure?

Integration Design

- Issues
 - > How does integrator define Integration Points?
 - Annotations?
 - Config File?
 - > How / when do Integration Points or Providers get discovered?