

2009 Scenario 1 Service Definition, Selection, Reuse Script

The WebSphere Service Registry and Repository is a valuable tool to define, select and reuse services ... to help you get the most business value and **reuse** of assets in your SOA.

When a service is needed, the Service Registry and Repository is queried to determine if the service is available. The query will reveal one of three possibilities and assign actions associated with each situation.

If the service exists, the service owner will be contacted to **reuse** the service. The service owner uses the information in the Registry / Repository to assess the impact of approving the reuse the service. If the request is **approved**, the service will be *reused*. An "approval" for service reuse triggers a "**subscription**" process which will update the Service Registry and Repository configuration with the new subscriber's information.

If service already exists, but requires enhancement or modification, the service owner may agree to modify the service or not. If he agrees to alter the service, the information in the Registry / Repository is used for "**impact analysis**" to the community. If the service owner does not agree to alter the service, it may trigger a "**custody transfer**" of the service to a new owner that is capable of supporting and maintaining a new "**version**" of the service. Once the new version of the service is created, it will be "**published**" to the Registry /Repository and the community will be "**notified**".

Finally, if the service does not exist, a new service request is created and goes through an SOA governance process. Once approved, a service entry in the SOA Registry may be updated to reflect an “approved” and “in-progress” service as it is being developed. This would serve as a ***communication*** to the community to eliminate redundant service development.

This methodical, high-visibility approach to defining and selecting services is designed to maximize reuse of services—providing immediate business value to any organization.