

## 2009 WebSphere Service Registry and Repository Scenarios Scenario 4 Script

You've deployed your SOA, and now you want to make sure that it's hitting on all cylinders... that your business services are working together dynamically and efficiently.

The WebSphere Service Registry and Repository enables optimized interaction of services by runtimes to provide dynamic endpoint selection, resolution and policy enforcement.

When a message is received by an Enterprise Service Bus, or ESB, the ESB invokes a mediation, which provides transformation and routing logic, to help identify and connect with provider endpoints.

The ESB mediation looks up the requestor's metadata in the Service Registry and Repository to determine what is required of a provider. The mediation then searches the Service Registry and Repository again to identify potential providers.

Once a provider has been identified, the mediation will assess its suitability by performing a selection test. This test may be based on policies that are stored in the Service Registry and Repository. If the test passes, the ESB mediation will route the request to the selected provider. If the test fails, the requestor will be notified.

The WebSphere Service Registry and Repository also helps manage service availability. If the candidate provider does not respond due to a failure, the mediation will search the Service Registry and Repository again to find other candidate providers, or even another version of the original candidate provider. The mediation will then make a choice from the possible provider endpoints and route the request.

The WebSphere Service Registry and Repository adds dynamism to your SOA by ensuring that business

services are working together optimally and efficiently.  
This helps you get more business value from your SOA.