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Abstract
As organizations consider externally exposing resources to users, they usually disallow users to directly access resources exposed for the sake of security and resource management. Enterprise Information Portal (EIP), as an example, takes advantage of internet to integrate information in organizations and make information accessible through a single entry, by which a user could obtain integrated resources. Using EIP as a mechanism of monitoring and managing resources in organizations could make the internal resources hidden from external users for the fear of direct accesses. Likewise, the same considerations for deploying Web Services are needed especially for organizations which have more Web Services built. By means of single entry for users to access Web Services, it is not only able to control effectively the ways users using Web Services, but give users a convenient way for accessing Web Services as well.
Consequently, we proposed a manageable framework for integrating Web Services resources and providing basic security architecture for accessing Web Services located inside organization network. A prototype—Service Router based on Web Services is implemented according to proposed manageable framework. Content-based Service Router functioning as common router devices intercepts SOAP requests and routes SOAP requests to proper target, a Web Services provider. Furthermore, Service Router provides backup mechanism for Web Services. Combining with asynchronous invocation and message-oriented middleware techniques, Service Router effectively enhances the performance and stability of accessing Web Services.
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