

Enterprise Architecture Statement of Direction

The Use of SOAP Web Services

Revision 1.0

01/30/2013

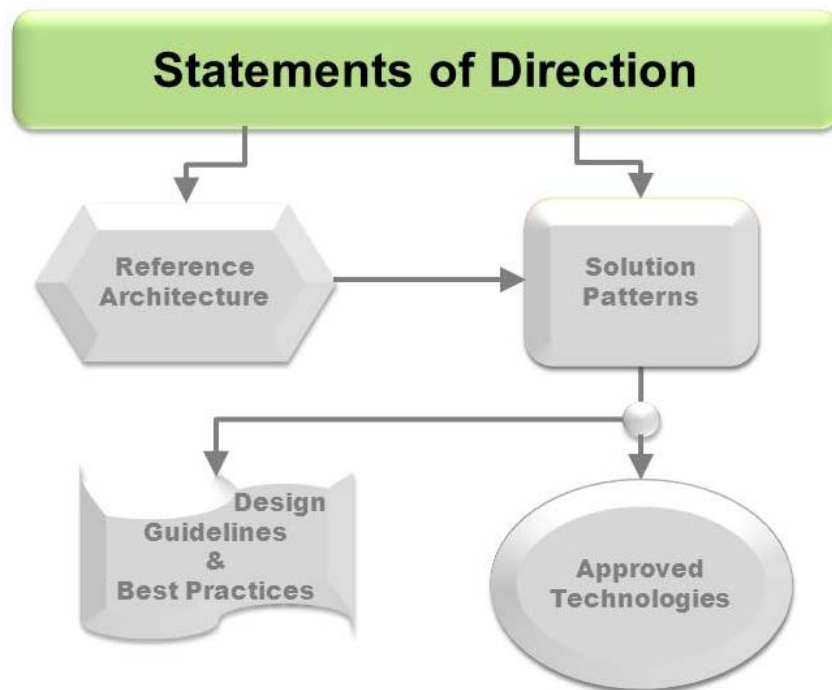


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1.0 Background

Until now RMI has been the primary interface implementation for DFS distributed services. As RMI is a tightly coupled protocol, it is not a suitable implementation for services. Services should be able to be consumed by a variety of clients, so they have to be implemented in a loosely coupled fashion.

SOAP Web Service (WS) is an ideal implementation for services. This document defines guidelines on how WS and RMI should be used in applications and services within DFS.

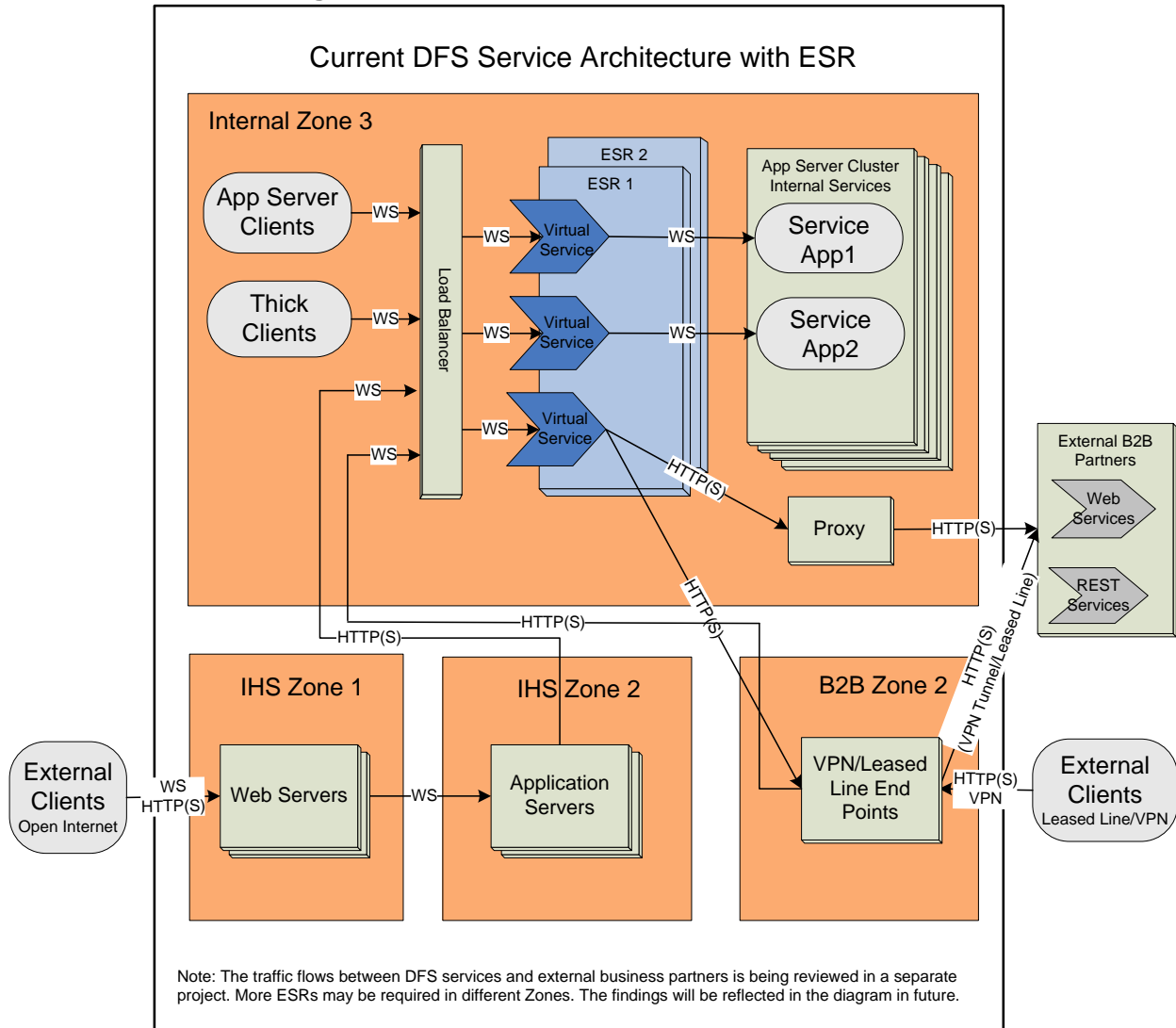
2.0 Guidelines and Criteria

- SOAP Web Services (WS) is the standard approach for application to application integration. This is primarily focused around reusable services created within the J2EE environment.
- WS is the standard approach for the integrations between Java applications and non-Java applications such as .net etc.
- WS is the standard approach for the integrations between DFS Java application and external applications.
- Services intended for reuse should be created and invoked using Web Services.
- RMI will continue to be an acceptable approach for communication between application components within the same application. However, if any of the components is identified as reusable, then these components must be created as Web Services.

Note: This type of communication may eventually be replaced by WS in the future. In particular as rich client are moved away from the legacy Swing applications, it is expected that WS will be used as part of the conversion effort.

- A Java business delegate should still be provided by the service provider utilizing the WS features within SIF. This should be used by all Java clients.
- An Enterprise Service Router (ESR) will mediate between consumers and the actual reusable service implementations providing intelligent routing, error handling, service versioning etc. These functions should not be duplicated in the services.

Figure 2-1: DFS Service Architecture with ESR



3.0 Glossary

Note: Also refer to the [DFS Glossary](#)

Revision History and Contributors

Revision Date	Approved By	Author	Changes	Revision
01/30/2013		R Hauenstein	Initial Release	1.0

Reviewers/Contributors:

Name	Department/Contribution

Meta Tags

Note: Meta Tag in bold is the unique identifier

bt_sod_soap_web_services

bt_statement_of_direction

bt_sod