



## Web Services Architecture Requirements

<http://www.w3.org/TR/2004/NOTE-wsa-reqs-20040211/>

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## Introduction

- ▶ Need for standard reference architecture: WSA
  - ▶ to promote interoperability between Web Services
  - ▶ to allow combination into complex operations
- ▶ Requirements for standard reference architecture
  - ▶ guide development of reference architecture
  - ▶ provide measurable conformance constraints on Web Services implementations





# Analysis Method

- ▶ Critical Success Factor Analysis
  - ▶ mission
  - ▶ high-level goals
  - ▶ critical success factors
  - ▶ requirements
- ▶ Usage Scenarios
  - ▶ from other working groups
  - ▶ published separately
  - ▶ not addressed yet
- ▶ Points of concern
  - ▶ each identified problem should be addressed by at least one requirement
  - ▶ correlation between usage scenarios and CSF analysis





## Top Level Goals

- ▶ Interoperability  
*enable development of Web Services across array of environments*
- ▶ Reliability  
*reliable and stable*
- ▶ Integration with World Wide Web  
*consistent with current and future use of World Wide Web*
- ▶ Security  
*provide secure environment for online processes*
- ▶ Scalability and Extensibility  
*enable scalable and extensible implementations*
- ▶ Team Goals  
*meet needs from user community*
- ▶ Management and Provisioning  
*must provide manageable and accountable environment*

