

# Best Practices for Web Services Development

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# Abstract

There has been a fair amount of hype around web services and the benefits they can bring to an organization. For many, it is difficult to determine how to best get started with web services. This talk will outline a number of first steps that can be taken to begin planning a web services pilot. It will also address a series of design guidelines, patterns, and architectural recommendations to enable an organization to build robust, flexible, and secure services. The talk will conclude with a look at tips and techniques for developing, testing, and managing web services.

# Objectives

- To understand how to get started on web services today
- To learn how design patterns can be used to build robust and secure web service
- To gain tips to enhance developer productivity
- To consider issues of deploying and registering services today
- To learn how web services can be tested and monitored

# Key Learnings

- Consider building a web services pilot today
  - Do not look for radical business changes
  - Do not wait for standards to solidify
  - Utilize an incremental, phased approach to development
- Carefully consider the design of your web services
  - Consider a loosely-coupled architecture
  - Leverage many of the design patterns used today
- Utilize tools to enhance developer productivity
  - WSDL tools can simplify the web services creation process
  - Automated testing tools can help test performance/functionality
- Consider interoperability issues
  - Agree on vocabulary and communication model with partners
  - Utilize accepted standards and build clean, simple interfaces

# References

- [www.hp.com/go/developers](http://www.hp.com/go/developers)
- [www.searchwebservices.com](http://www.searchwebservices.com)
- [www.soaprpc.com](http://www.soaprpc.com)
- [www.stencilgroup.com](http://www.stencilgroup.com)
- [www.webservices.org](http://www.webservices.org)
- [www.webservicesarchitect.com](http://www.webservicesarchitect.com)