

# Web Services Management.NEXT

**Satish Viswanatham**

# Agenda

- Overview
- Activity Monitoring
- Service Monitoring
- Policy Management
- Service Testing and Validation
- Comments & Questions

# Overview

- Extend the existing Monitoring to track activities, rather than just monitoring operations
- Support Service Level Monitors using effective alert mechanism
- Add features to monitor interoperability and security aspects
- Facilitate Service validation and Service Testing

# Activity Monitoring

- Monitor only interesting data
- Examples of Activities – particular partner interactions or employees of particular organization
- Activity – target and search criteria parameters
- Target criteria – Application or Endpoint name
- Search criteria
  - > Role name and Principal Name
  - > Client IP address or Network Address
  - > Message Type or Size

# Service Monitoring

- Performance Monitoring
  - > Examples – Average performance of booking web service should not be more than 5 ms in any 30 minute period
- Availability Monitoring
  - > Examples – Availability of booking web service should not be more than 98% in any 10 minute period
- Target, Boundary, Interval criteria
- Target may be same for Availability Monitoring. Usually different for performance monitoring

# Service Monitoring (Contd.)

- Boundary
  - > Boundary limit (time in milli-seconds or availability as percentage)
- Interval
  - > What is the interval over this Service is monitored?

# Policy Management

- Inter-operable policy
  - > Accept only WS-I conforming messages
- Security Policy
  - > Block DOS attacks
  - > Filter intrusion messages
- Security policy types
  - > Large payload policy
  - > Large Attachment policy
  - > Max Authentication Failures policy
  - > Known origin policy

# Policy Management (Contd.)

- Security Policy Types
  - > Maximum Usage policy
  - > Sensitive Data protection policy



# Service Testing and Validation

- Ability to sanity check on WSDLs (during import and development)
- Edit and re-submit an existing message

# Comments/Question

- Feedback?
- `dev@glassfish.dev.java.net`

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