


Web Services Management


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Features

- Developer Experience
 - > First Class Objects
 - > Test forms
- Administration
 - > Monitoring & Transformation
 - > Call Flow Analysis
- Registry Integration
- Self Management & Real time graphs
- Security

Developer experience


Common Tasks


Domain

-  Applications
-  **Web Services**
 -  HelloImpl
-  Custom MBean
-  Resources
-  Clusters

General
Registry

Web Services

Web Services are deployed and undeployed in the [Applications](#) area.

Web Services (1)

Name ▲	Application ▲	WSDL ▲	Type ▲
HelloImpl	server_HelloImpl	HelloImplService.wsdl	SERVLET

Web Services as First Class Objects

- **The following information can be inspected**
 - > WSDL and descriptors
 - > URI, Type and module information
- **Test forms are available for developer testing**

Web Services as First Class Objects (Contd.)

Web Services > HelloImpl

General	Publish	Monitor	Transformation
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General – HelloImpl

Test

Name:	HelloImpl
Endpoint Address URI:	HelloImpl/HelloImplService
Application:	server_HelloImpl
WSDL:	HelloImplService.wsdl
Module Name:	
Mapping File:	
Webservices.xml:	webservices.xml
Implementation Type:	SERVLET
Implementation Class Name:	server.HelloImpl
Deployment Descriptors:	web.xml sun-web.xml

Test Forms

HelloImpl Web Service Tester

This form will allow you to test your web service implementation ([WSDL File](#))

To invoke an operation, fill the method parameter(s) input boxes and click on the button labeled with the method name.

Methods :

```
public abstract java.lang.String server.HelloImpl.sayHello(java.lang.String)
```

sayHello	(hi)
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Administration

- Performance monitoring
 - > Response Time, Throughput, SOAP Fault, etc.
- SOAP Message visualization
 - > Examine message content in XML
 - > View HTTP headers, response time, size, sender and receiver for each message

Monitoring

Web Services > HelloImpl

Real Time Statistics for HelloImpl

Close

Change

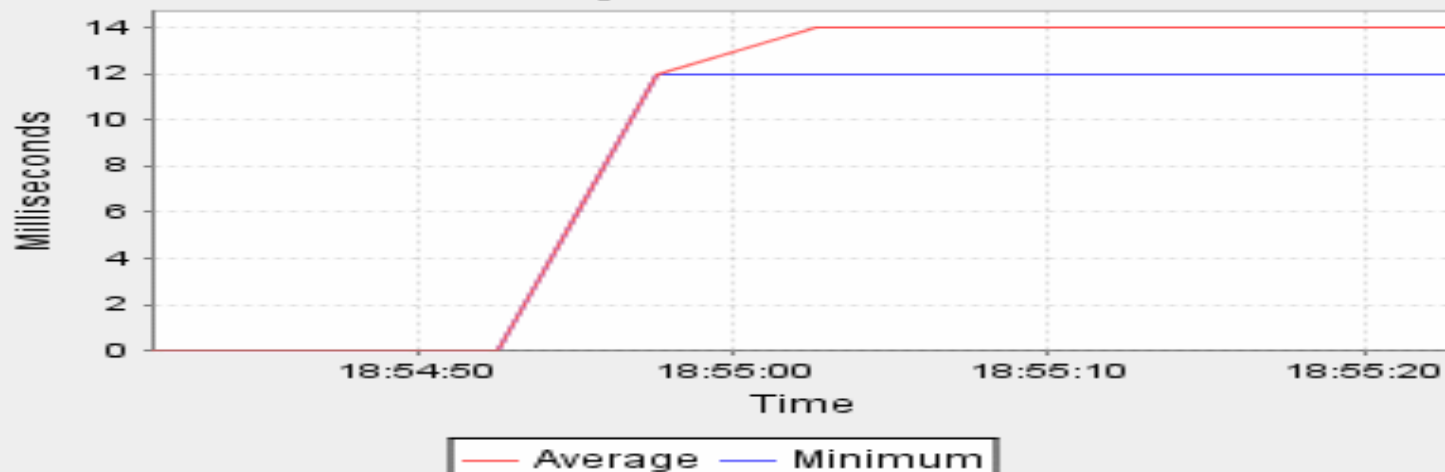
Data Collected Since: Jan 19, 2006 6:53:55 PM

Server Instance: server

Change Refresh Rate: Seconds

Keep Data for : Minutes

Response Time



Message Trace

HelloImpl – Messages

[Refresh](#)

Show messages for server instance:

Recent Messages (2)

Filter:

Time Stamp ▲	Response Time (ms) ▲	Response ▲	Size ▲	Client Host ▲	User ▲	Actions
Wed Jan 18 19:48:15 PST 2006	610	Success	262b / 290b		ANONYMOUS	call flow
Wed Jan 18 19:48:25 PST 2006	12	Success	263b / 291b		ANONYMOUS	call flow

Message Trace (Contd.)

General

Application Name: server_HelloImpl
Endpoint Name: server_HelloImpl#HelloImpl
Time Stamp: Thu Jan 19 18:53:07 PST 2006
Response Time (ms): 10
Client Host:
User: ANONYMOUS
Transport Type: HTTP

[⤴ Back to top](#)

Request

Size (b): 263
HTTP Headers:
Content: [View Request XML](#)

[⤴ Back to top](#)

Response

Response: Success

Call Flow

Application Server > Web Services > HelloImpl

Call Flow Details

View call flow details of the request. Click on the view tree button to look at call flow in tree view.

Request Information

Time Stamp: Jan 24, 2006 4:16:17 PM
User: ANONYMOUS
Application: URI:/HelloImpl/HelloImplService
Start Container: REMOTE_WEB
Response: Success
Exception:
Response Time(ms): 12

Request Time Distribution

Web Container: 11.031 %
 1.565 ms
Web Application: 88.969 %
 12.625 ms

Call Flow Steps (1)

View Tree

Container ▲	Module ▲	Component ▲	Method
SERVLET	/HelloImpl	HelloImplPort	/HelloImpl/HelloImplService:com.sun.enterprise.web

View Tree

Registry Integration

Application Server > Web Services > HelloImpl

Publish Web Service – HelloImpl

Publish the web service to a registry. [Registry page](#)

Publish Now

Cancel

* Indicates required field

* Registries:

Available:

Add >

Add All >>

< Remove

<< Remove All

Selected:

sample_ebXML

Categories:

Test

Type the categories (comma separated) in which this web service belongs; use the category names as defined by the registry you are using

Description:

Web Services Tutorial

A description of this web service that will be useful for end users

Organization:

Sun Java System Application Server

Required for publishing to a UDDI registry

Publish Now

Cancel

References

- Managing Web Services -
<http://developers.sun.com/prodtech/appser>
- Check out Screen Casts, blogs etc. at
Web Services Management Module page -
<https://glassfish.dev.java.net/javaee5/ws-mgmt/wsmgmthome.html>

Questions?