

Oracle® Communications Convergent Charging Controller Data Access Pack Compliance Protocol Implementation Conformance Statement



Release 15.0.0

October 2023

The Oracle logo, consisting of the word "ORACLE" in white, uppercase, sans-serif font, positioned on a solid red rectangular background.

Copyright

Copyright © 2023, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

About This Documentv

Document Conventionsvi

Chapter 1

Compliance Statement.....1

Overview1

HTTP Compliance1

SOAP Compliance.....8

EJB JEE Compliance11

WSDL Compliance27

About This Document

Scope

This statement of compliance compares the Oracle DAP implementation to:

- Internet Engineering Task Force (IETF) document, RFC 2616 - Hypertext Transfer Protocol - HTTP/1.1
- Web Services Description Language (WSDL) 1.1
- JSR 181: Web Services Metadata for the Java™ Platform
- JSR 224: Java™ API for XML-Based Web Services (JAX-WS) 2.1

Audience

This document is intended to be read by Oracle Communications Convergent Charging Controller staff. It has been prepared on the assumption that the reader is familiar with DAP as well as the HTTP and SOAP protocol specifications.

Document Conventions

Typographical Conventions

The following terms and typographical conventions are used in the Oracle Communications Convergent Charging Controller documentation.

| Formatting Convention | Type of Information |
|--------------------------------|--|
| Special Bold | Items you must select, such as names of tabs. Names of database tables and fields. |
| <i>Italics</i> | Name of a document, chapter, topic or other publication. Emphasis within text. |
| Button | The name of a button to click or a key to press. Example: To close the window, either click Close , or press Esc . |
| Key+Key | Key combinations for which the user must press and hold down one key and then press another. Example: Ctrl+P or Alt+F4 . |
| Monospace | Examples of code or standard output. |
| Monospace Bold | Text that you must enter. |
| <i>variable</i> | Used to indicate variables or text that should be replaced with an actual value. |
| menu option > menu option > | Used to indicate the cascading menu option to be selected. Example: Operator Functions > Report Functions |
| hypertext link | Used to indicate a hypertext link. |

Specialized terms and acronyms are defined in the glossary at the end of this guide.

Compliance Statement

Overview

Introduction

This chapter describes the compliance/ non-compliance of protocols supported by DAP to various globally accepted compliance documents.

In this chapter

This chapter contains the following topics.

| | |
|--------------------------|----|
| HTTP Compliance | 1 |
| SOAP Compliance..... | 8 |
| EJB JEE Compliance | 11 |
| WSDL Compliance | 27 |

HTTP Compliance

Description

This section demonstrates the compliance/ non-compliance of the HTTP protocol support in DAP to the compliance statement for RFC 2616.

3.2.3 URI Comparison

Compliant: No

Note: DAP does not differentiate based on request URL, only on the correlation ID.

3.1 HTTP Version

Compliant: No

Note: DAP only accepts HTTP/1.1 requests.

3.3 Date/Time Formats

Compliant: No

Note: DAP does not support sending timestamps in these formats.

3.4 Character Sets

Compliant: No

Note: DAP only support ASCII, although DAP advertises UTF-8.

3.5 Content Codings

Compliant: No

Note: DAP does not support any content codings.

3.6 Transfer Codings

Compliant: No

Note: DAP will only send non-chunked requests, but does handle chunked responses. DAP does not handle chunked requests.

3.7 Media Types

Compliant: Yes

Note: DAP produces content of type text/html and text/xml. It does not verify the content-type of responses, but assumes text/xml or text/html.

4.1 HTTP Message Types

Compliant: Yes

Note: DAP ignores leading CRLF's on new connections.

4.2 HTTP Message Headers

Compliant: Yes

5.1.1 Request-Line Method

Compliant: Yes

Note: DAP ignores URI and Method in asynchronous responses.

5.2 Resource identified by a request

Compliant: No

Note: DAP ignores the Request-URI.

6.1.1 Status code and reason phrase

Compliant: No

Note: DAP only accepts 200 OK as success.

8.1 Persistent Connections

Compliant: No

Note: DAP does not maintain a persistent connection if it is the server.

8.1.2.1 Overall Operation - Negotiation

Compliant: No

Note: DAP does not honour the "close" request, assuming that the client connections it initiates are persistent.

8.2.3 Use of the 100 (Continue) Status

Compliant: No

Note: DAP does not handle request headers.

9.2 OPTIONS

Compliant: No

Note: OPTIONS is not supported.

9.3 GET

Compliant: Yes

Note: DAP does not differentiate between request methods, so GET/POST/PUT, etc are supported.

9.4 HEAD

Compliant: No

Note: DAP does not properly process HEAD.

9.5 POST

Compliant: Yes

9.6 PUT

Compliant: No

Note: DAP does not support TRACE

9.9 CONNECT

Compliant: No

Note: DAP does not support CONNECT.

10.1 Informational 1xx

Compliant: No

Note: DAP only accepts 200/OK.

10.2 Successful 2xx

Compliant: No

Note: DAP only accepts 200/OK.

10.3 Redirection 3xx

Compliant: No

Note: DAP does not accept re-direction.

10.4 Client Error 4xx

Compliant: Yes

Note: DAP treats all non-200/OK status as errors.

10.4.2 401 Unauthorized

Compliant: No

Note: DAP does not support HTTP Authentication.

10.5 Server Error 5xx

Compliant: Yes

Note: DAP treats all non-200/OK status as errors.

11 Access Authentication

Compliant: No

Note: DAP does not support HTTP Authentication.

12 Content Negotiation

Compliant: No

Note: DAP does not support negotiation.

13 Caching in HTTP

Compliant: NA

Note: DAP attempts to force all responses to be uncached.

14.5 Accept-Ranges

Compliant: No

Note: DAP does not produce nor accept Accept headers.

14.6 Age

Compliant: NA

Note: DAP assumes no caching.

14.7 Allow

Compliant: Yes

Note: DAP treats all non 200/OK status as errors.

14.8 Authorization

Compliant: No

Note: DAP does not support HTTP Authentication.

14.9 Cache-Control

Compliant: Yes

Note: DAP attempts to force non-caching of responses.

14.10 Connection

Compliant: No

Note: DAP does not support the Connection header.

14.11 Content-Encoding

Compliant: No

Note: DAP does not support Content-Encoding

14.12 Content-Language

Compliant: No

Note: DAP does not support Content-Language.

14.13 Content-Length

Compliant: Yes

14.14 Content-Location

Compliant: No

Note: DAP does not differentiate on URI.

14.15 Content-MD5

Compliant: No

Note: DAP does not process Content-MD5.

14.16 Content-Range

Compliant: No

Note: DAP does not support Content-Range.

14.17 Content-Type

Compliant: Yes

Note: DAP only supports text/xml, text/html and UTF-8 encoding, when UTF-8 is limited to the ASCII subset.

14.18 Date

Compliant: No

Note: DAP does not produce a Date header.

14.19 ETag

Compliant: No

Note: DAP does not provide an ETag.

14.20 Expect

Compliant: No

Note: DAP does not support *Expect* or *100 continue*.

14.21 Expires

Compliant: No

Note: DAP assumes that caching is not present.

14.22 From

Compliant: Yes

Note: DAP does not send, nor process the *From* field.

14.23 Host

Compliant: Yes

Note: DAP populates the *Host* field.

14.24 If-Match

Compliant: No

Note: DAP does not set, nor honour the *If-Match* field.

14.25 If-Modified-Since

Compliant: No

Note: DAP does not set, nor honour the *If-Modified-Since* field.

14.26 If-None-Match

Compliant: No

Note: DAP does not set, nor honour the *If-None-Match* field.

14.27 If-Range

Compliant: No

Note: DAP does not set, nor honour the *If-Range* field.

14.28 If-Unmodified-Since

Compliant: No

Note: DAP does not set, nor honour the *If-Unmodified-Since* field.

14.29 Last-Modified

Compliant: No

Note: DAP does not set, nor honour the *Last-Modified* field.

14.30 Location

Compliant: No

Note: DAP does not set, nor honour the *Location* field. All HTTP status other than 200/OK are treated as errors.

14.31 Max-Forwards

Compliant: No

Note: DAP does not set, nor honour the *Max-Forwards* field.

14.32 Pragma

Compliant: No

Note: DAP does not set, nor honour the *Pragma* field.

14.33 Proxy-Authenticate

Compliant: No

Note: DAP does not set, nor honour the *Proxy-Authenticate* field.

14.34 Proxy-Authorization

Compliant: No

Note: DAP does not set, nor honour the *Proxy-Authorization* field.

14.35 Range

Compliant: No

Note: DAP does not support byte ranges.

14.36 Referer

Compliant: No

Note: DAP does not set, nor read the *Referer* field.

14.37 Retry-After

Compliant: No

Note: DAP does not set, nor honour the *Retry-After* field.

14.38 Server

Compliant: Yes

Note: DAP does set the *Server* field.

14.39 TE

Compliant: No

Note: DAP does not set, nor honour the *TE* field.

14.40 Trailer

Compliant: No

Note: DAP does not support non-empty Trailers, so it does not set the *Trailer* field.

14.41 Transfer-Encoding

Compliant: Yes

Note: DAP does support Transfer-Encoding of chunked.

14.42 Upgrade

Compliant: No

Note: DAP does not support set, nor honour the *Upgrade* field.

14.43 User-Agent

Compliant: Yes

Note: DAP sets the *User-Agent* field.

14.44 Vary

Compliant: No

Note: DAP does not set, nor honour the *Vary* field.

14.45 Via

Compliant: No

Note: DAP does not set, nor honour the *Via* field.

14.46 Warning

Compliant: No

Note: DAP does not set, nor honour the *Warning* field.

14.47 WWW-Authenticate

Compliant: No

Note: DAP does not perform HTTP Authentication.

SOAP Compliance

Description

This section demonstrates the compliance/ non-compliance of the SOAP protocol support in DAP to the Web Services Description Language (WSDL) 1.1.

Section 2.1

Compliant: Partial

Section 2.2

Compliant: Yes

Section 2.3

Compliant: Partial

Note: DAP does not place any meaning on actor attributes in responses, nor does it provide a way to populate them.

Section 2.4

Compliant: No

Note: DAP does not process or place any meaning on SOAP headers.

Section 2.5

Compliant: No

Note: DAP does not process or place any meaning on SOAP headers, particularly *mustUnderstand*.

Section 3

Compliant: No

Note: DAP does not process or validate namespace identifiers.

Section 4

Compliant: Yes

Section 4.1.1

Compliant: Partial

Note: SOAP encoding style support is incomplete. Support for HREF references is not supported.

Section 4.1.2

Compliant: No

Note: DAP does not validate SOAP headers.

Section 4.2

Compliant: Partial

Note: DAP does not place any meaning on actor attributes in responses, nor does it provide a way to populate them. DAP does not process or place any meaning on SOAP headers, particularly *mustUnderstand*.

Section 4.2.1

Compliant: No

Note: DAP does not ignore invalid SOAP Header attributes.

Section 4.2.2

Compliant: NA

Note: DAP does not proxy requests, so this section does not apply.

Section 4.2.3

Compliant: No

Note: DAP does not honour the *mustUnderstand* attribute.

Section 4.3

Compliant: No

Note: DAP does not provide a namespace for the body block.

Section 4.3.1

Compliant: Yes

Section 4.4

Compliant: No

Note: DAP is unable to generate Fault blocks, although it is able to process them.

Section 4.4.1

Compliant: Partial

Note: DAP is unable to generate Fault blocks.

Section 4.4.2

Compliant: No

Note: DAP is unable to process or generate header faults.

Section 5

Compliant: Partial

Note: DAP is unable to process type information in responses.

Section 5.1

Compliant: Partial

Note: DAP is unable to process references (href) in responses.

Section 5.2

Compliant: Partial

Note: DAP is unable to process type information in responses.

Section 5.2.1

Compliant: Partial

Note: DAP does not support the id or href attributes in requests or responses.

Section 5.2.2

Compliant: Yes

Section 5.2.3

Compliant: Yes

Note: Binary encodings are supported subject to parameter size restrictions and type conversion requirements.

Section 5.3

Compliant: No

Note: DAP is unable to process type information in responses.

Section 5.4

Compliant: Yes

Section 5.4.1

Compliant: Partial

Note: DAP is unable to process references to values.

Section 5.4.2

Compliant: Partial

Notes:

- DAP does not process encodings.
- All repeated elements are treated as arrays.
- Multi-dimensional arrays are not supported.

Section 5.4.2.1

Compliant: No

Note: Partially transmitted arrays are not supported. DAP will treat them as all other repeated elements.

Section 5.4.2.2

Compliant: No

Note: Sparse arrays are not supported. DAP will treat them as all other repeated elements.

Section 5.4.3

Compliant: Yes

Section 5.5

Compliant: Yes

Section 5.6

Compliant: No

Note: DAP does not support roots other than the true root of the graph.

Section 6

Compliant: Yes

Section 6.1.1

Compliant: Yes

Section 6.2

Compliant: No

Note: DAP does not generate SOAP fault elements, nor does it generate 500 *Internal Server Errors*.

Section 6.3

Compliant: No

Note: We don't support HTTP extensions.

Section 7.1

Compliant: Partial

Note: DAP is able to process SOAP faults, but it is not able to generate them.

Section 7.2

Compliant: No

Note: The example has the transaction ID being passed as part of the SOAP header element. DAP does not support placing fields into the SOAP header.

EJB JEE Compliance

JSR 181

This section demonstrates the compliance/ non-compliance of the subset of EJB standards that are supported by DAP to the compliance statement for JSR 181: Web Services Metadata for the Java™ Platform.

Section 4.1.1

Compliant: Partial

Note: `javax.jws.WebService.targetNamespace` is not supported if it results in namespace prefixes on elements.

Section 4.2

Compliant: Yes

Section 4.3

Compliant: Yes

Section 4.4

Compliant: Partial

Notes:

- `javax.jws.WebParam.targetNamespace` is not supported if it results in namespace prefixes on elements.
- `javax.jws.WebParam.header=true` is not supported.

Section 4.5

Compliant: Partial

Notes:

- `javax.jws.WebParam.targetNamespace` is not supported if it results in namespace prefixes on elements.
- `javax.jws.WebParam.header=true` is not supported.

Section 4.6

Compliant: Yes

Note: Does not affect the generated WSDL file.

Section 4.7

Compliant: Yes

Note: `javax.jws.soap.SOAPBinding` is a required annotation.

Section 4.8

Compliant: Yes

Note: Ignored in the standard.

Section 5

Compliant: Partial

Note: JAXB or SDO is not supported, only SOAP bindings are supported.

Section 6.1

Compliant: Yes

Section 6.2

Compliant: No

Note: `@WebParam.header` is not supported.

JSR 224

This section demonstrates the compliance/ non-compliance of the subset of EJB standards that are supported by DAP to the compliance statement for JSR 224: Java™ API for XML-Based Web Services (JAX-WS) 2.1.

2.1 WSDL 1.1 support

Compliant: Yes

2.2 Customization required

Compliant: NA

2.3 Annotations on generated classes

Compliant: NA

2.4 Definitions mapping

Compliant: NA

2.5 WSDL and XML Schema import directives

Compliant: Partial

Note: References WS-I Basic Profile 1.1, which is not reviewed. DAP supports schema import directives.

2.6 Optional WSDL extensions

Compliant: NA

2.7 SEI naming

Compliant: NA

2.8 javax.jws.WebService required

Compliant: NA

2.9 javax.xml.bind.XmlSeeAlso required

Compliant: NA

2.10 Method naming

Compliant: NA

2.11 javax.jws.WebMethod required

Compliant: NA

2.12 Transmission primitive support

Compliant: NA

2.13 Using javax.jws.OneWay

Compliant: NA

2.14 Using javax.jws.SOAPBinding

Compliant: NA

2.15 Using javax.jws.WebParam

Compliant: NA

2.16 Using javax.jws.WebResult

Compliant: NA

2.17 use of JAXB annotations

Compliant: NA

2.18 Non-wrapped parameter naming

Compliant: NA

2.19 Default mapping mode

Compliant: NA

2.20 Disabling wrapper style

Compliant: NA

2.21 Wrapped parameter naming

Compliant: NA

2.22 Parameter name clash

Compliant: NA

2.23 Using javax.xml.ws.RequestWrapper

Compliant: NA

2.24 Using javax.xml.ws.ResponseWrapper

Compliant: NA

2.25 Use of Holder

Compliant: NA

2.26 Asynchronous mapping required

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.27 Asynchronous mapping option

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.28 Asynchronous method naming

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.29 Asynchronous parameter naming

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.30 Failed method invocation

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.31 Response bean naming

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.32 Asynchronous fault reporting

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.33 Asynchronous fault cause

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

2.34 JAXB class mapping

Compliant: NA

2.35 JAXB customization use

Compliant: NA

2.36 JAXB customization clash

Compliant: NA

2.37 javax.xml.ws.wsaddressing.W3CEndpointReference

Compliant: NA

2.38 javax.xml.ws.WebFault required

Compliant: NA

2.39 Exception naming

Compliant: NA

2.40 Fault equivalence

Compliant: NA

2.41 Fault equivalence

Compliant: NA

2.42 Required WSDL extensions

Compliant: NA

2.43 Unbound message parts

Compliant: NA

2.44 Duplicate headers in binding

Compliant: NA

2.45 Duplicate headers in message

Compliant: NA

2.46 Use of MIME type information

Compliant: NA

2.47 MIME type mismatch

Compliant: NA

2.48 MIME part identification

Compliant: NA

2.49 Service superclass required

Compliant: NA

2.50 Service class naming

Compliant: NA

2.51 javax.xml.ws.WebServiceClient required

Compliant: NA

2.52

Compliant: NA

2.53

Compliant: NA

2.54 Failed getPort Method

Compliant: NA

2.55 javax.xml.ws.WebEndpoint required

Compliant: NA

3.1 WSDL 1.1 support

Compliant: Yes

3.2 Standard annotations

Compliant: Partial

Note: Not all annotations are supported. See section 7 for details.

3.3 Java identifier mapping

Compliant: Yes

3.4 Method name disambiguation

Compliant: Yes

3.5 Package name mapping

Compliant: Partial

Note: Namespaces which modify the prefixes on response messages are not supported.

3.6 WSDL and XML Schema import directives

Compliant: Yes

3.7 Class mapping

Compliant: Yes

3.8 portType naming

Compliant: Yes

3.9 Inheritance flattening

Compliant: Yes

3.10 Inherited interface mapping

Compliant: Yes

3.11 Operation naming

Compliant: Yes

3.12 One-way mapping

Compliant: Yes

3.13 One-way mapping errors

Compliant: Yes

3.14 use of JAXB annotations

Compliant: Partial

3.15 Parameter classification

Compliant: Yes

3.16 Parameter naming

Compliant: Yes

3.17 Result naming

Compliant: Yes

3.18 Header mapping of parameters and results

Compliant: No

Note: javax.jws.WebParam.header=true and javax.jws.WebResult.header=true are not supported.

3.19 Default wrapper bean names

Compliant: Yes

3.20 Default wrapper bean package

Compliant: Yes

3.21 Wrapper element names

Compliant: Yes

3.22 Wrapper bean name clash

Compliant: Yes

3.23 Null Values in rpc/literal

Compliant: Partial

Note: DAP does not generate exceptions for NULL values when it receives them in asynchronous responses.

3.24 Exception naming

Compliant: Yes

3.25 java.lang.RuntimeExceptions and java.rmi.RemoteExceptions

Compliant: Yes

3.26 Fault bean name clash

Compliant: Yes

3.27 Binding selection

Compliant: Partial

Note: Only SOAP1.1/HTTP binding is supported.

3.28 SOAP binding support

Compliant: Yes

3.29 SOAP binding style required

Compliant: Yes

3.30 Service creation

Compliant: Yes

3.31 Port selection

Compliant: Yes

3.32 Port binding

Compliant: Yes

4.1 Service completeness

Compliant: NA

4.2 Service Creation Failure

Compliant: NA

4.3 Use of Executor

Compliant: NA

4.4 Default Executor

Compliant: NA

4.5 javax.xml.ws.BindingProvider.getEndpointReference

Compliant: NA

4.6 Message context decoupling

Compliant: NA

4.7 Required BindingProvider properties

Compliant: NA

4.8 Optional BindingProvider properties

Compliant: NA

4.9 Additional context properties

Compliant: NA

4.10 Asynchronous response context

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

4.11 Proxy support

Compliant: NA

4.12 Implementing BindingProvider

Compliant: NA

4.13 Service.getPort failure

Compliant: NA

4.14 Remote Exceptions

Compliant: NA

4.15 Exceptions During Handler Processing

Compliant: NA

4.16 Other Exceptions

Compliant: NA

4.17 Dispatch support

Compliant: NA

4.18 Failed Dispatch.invoke

Compliant: NA

4.19 Failed Dispatch.invokeAsync

Compliant: NA

4.20 Failed Dispatch.invokeOneWay

Compliant: NA

4.21 Reporting asynchronous errors

Compliant: No

Note: Asynchronous EJB responses are not supported using this version of DAP.

4.22 Marshalling failure

Compliant: NA

4.23 Use of the Catalog

Compliant: No

Note: The delivery of WSDL files as jar files is not supported.

5.1 Provider support required

Compliant: NA

5.2 Provider default constructor

Compliant: NA

5.3 Provider implementation

Compliant: NA

5.4 WebServiceProvider annotation

Compliant: NA

5.5 Endpoint publish(String address, Object implementor) Method

Compliant: NA

5.6 Default Endpoint Binding

Compliant: NA

5.7 Other Bindings

Compliant: NA

5.8 Publishing over HTTP

Compliant: NA

5.9 WSDL Publishing

Compliant: NA

5.10 Checking publishEndpoint Permission

Compliant: NA

5.11 Required Metadata Types

Compliant: NA

5.12 Unknown Metadata

Compliant: NA

5.13 Use of Executor

Compliant: NA

5.14 Default Executor

Compliant: NA

6.1 Read-only handler chains

Compliant: NA

6.2 Concrete javax.xml.ws.spi.Provider required

Compliant: NA

6.3 Provider createAndPublishEndpoint Method

Compliant: NA

6.4 Concrete javax.xml.ws.spi.ServiceDelegate required

Compliant: NA

6.5 Protocol specific fault generation

Compliant: NA

6.6 Protocol specific fault consumption

Compliant: NA

6.7 One-way operations

Compliant: NA

6.8 javax.xml.ws.WebServiceFeatures

Compliant: NA

6.9 enabled property

Compliant: NA

6.10 javax.xml.ws.soap.MTOMFeature

Compliant: NA

6.11 javax.xml.ws.RespectBindingFeature

Compliant: NA

7.1 Correctness of annotations

Compliant: NA

7.2 Handling incorrect annotations

Compliant: NA

7.3 Unsupported WebServiceFeatureAnnotation

Compliant: NA

javax.xml.ws.ServiceMode

Compliant: Yes

javax.xml.ws.WebFault

Compliant: Yes

javax.xml.ws.RequestWrapper

Compliant: Yes

javax.xml.ws.ResponseWrapper

Compliant: Yes

javax.xml.ws.WebServiceProvider

Compliant: Yes

7.4 WebServiceProvider and WebService

Compliant: Yes

javax.xml.ws.BindingType

Compliant: Partial

Note: Only the default binding method (SOAP1.1/HTTP) is supported by DAP.

javax.xml.ws.WebServiceRef

Compliant: Yes

javax.xml.ws.WebServiceRefs

Compliant: Yes

7.5 JSR-181 conformance**Compliant:** Partial**Note:** See JSR-181 compliance statement above.**javax.xml.ws.Action****Compliant:** Partial**Note:** Since the translation is not standardised, it is not possible to determine compliance.**javax.xml.ws.FaultAction****Compliant:** Partial**Note:** Since the translation is not standardised, it is not possible to determine compliance.**javax.xml.spi.WebServiceFeatureAnnotation****Compliant:** Partial**Note:** See the next 3 annotations for details.**javax.xml.ws.soap.Addressing****Compliant:** Partial**Note:** Since the translation is not standardised, it is not possible to determine compliance.**javax.xml.ws.soap.MTOM****Compliant:** No**Note:** MTOM encoding is not supported..**javax.xml.ws.RespectBinding****Compliant:** Partial**Note:** Only SOAP1.1/HTTP binding is supported, with no binary encodings.**8.1 Standard binding declarations****Compliant:** NA**8.2 Binding language extensibility****Compliant:** NA**8.3 Multiple binding files****Compliant:** NA**9.1 Handler framework support****Compliant:** NA**9.2 Logical handler support****Compliant:** NA**9.3 Other handler support****Compliant:** NA

9.4 Incompatible handlers

Compliant: NA

9.5 Incompatible handlers

Compliant: NA

9.6 Handler chain snapshot

Compliant: NA

9.7 HandlerChain annotation

Compliant: NA

9.8 Handler resolver for a HandlerChain annotation

Compliant: NA

9.9 Binding handler manipulation

Compliant: NA

9.10 Handler initialization

Compliant: NA

9.11 Handler destruction

Compliant: NA

9.12 Invoking close

Compliant: NA

9.13 Order of close invocations

Compliant: NA

9.14 Message context property scope

Compliant: NA

10.1 SOAP required roles

Compliant: Yes

10.2 SOAP required roles

Compliant: Yes

10.3 Default role visibility

Compliant: NA

10.4 Default role persistence

Compliant: NA

10.5 None role error

Compliant: NA

10.6 Incompatible handlers

Compliant: NA

10.7 Incompatible handlers

Compliant: NA

10.8 Logical handler access

Compliant: NA

10.9 SOAP 1.1 HTTP Binding Support

Compliant: Partial

Note: DAP does not support the use of mime attachments with the SOAP binding.

10.10 SOAP 1.2 HTTP Binding Support

Compliant: Partial

Note: DAP does not support the use of mime attachments with the SOAP binding.

10.11 SOAP MTOM Support

Compliant: No

Note: DAP does not support MTOM.

10.12 Semantics of MTOM enabled

Compliant: Yes

Note: DAP does not support MTOM, however this indicates that MTOM support from the client is optional.

10.13 MTOM support

Compliant: NA

10.14 SOAP bindings with MTOM disabled

Compliant: Yes

10.15 SOAP bindings with MTOM enabled

Compliant: Yes

10.16 MTOM on Other SOAP Bindings

Compliant: NA

10.17 One-way operations

Compliant: Yes

10.18 HTTP basic authentication support

Compliant: No

Note: DAP does not support HTTP basic authentication.

10.19 Authentication properties

Compliant: NA

10.20 URL rewriting support

Compliant: No

Note: DAP does not support URL rewriting for session management.

10.21 Cookie support

Compliant: No

Note: DAP does not support cookies for session management.

10.22 SSL session support

Compliant: No

Note: DAP does not support SSL for session management.

10.23 SOAP Addressing Support

Compliant: No

Note: DAP does not support WS-Addressing.

11.1 XML/HTTP Binding Support

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.2 Incompatible handlers

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.3 Incompatible handlers

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.4 Logical handler access

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.5 One-way operations

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.6 HTTP basic authentication support

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.7 Authentication properties

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.8 URL rewriting support

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.9 Cookie support

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

11.10 SSL session support

Compliant: No

Note: DAP only supports SOAP 1.1/HTTP binding.

WSDL Compliance

Description

This section demonstrates the compliance/ non-compliance of the WSDL 1.1 support in DAP to the Web Services Description Language (WSDL) 1.1.

2.1.2 Authoring Style

Compliant: Yes

2.1.3 Language Extensibility and Binding

Compliant: No

Note: DAP will not support extensions.

2.1.4 Documentation

Compliant: Yes

2.2 Types

Compliant: Partial

Note: DAP will not support extensions to the type system. Only XSD will be supported.

2.3 Messages

Compliant: Yes

2.3.1 Message Parts

Compliant: Yes

Note: The schema driven format is preferred.

2.4 Port Types

Compliant: Partial

Note: One-Way and Request-response are the only supported transmission primitives.

Chapter 1

2.4.1 One-way Operation

Compliant: Yes

2.4.2 Request-response Operation

Compliant: Yes

2.4.3 Solicit-response Operation

Compliant: No

2.4.4 Notification Operation

Compliant: No

2.4.5 Names of Elements within an Operation

Compliant: Yes

2.4.6 Parameter Order within an Operation

Compliant: No

Note: RPC parameterOrder parameter is not used by DAP.

2.5 Bindings

Compliant: Yes

2.6 Ports

Compliant: Yes

2.7 Services

Compliant: Yes

3 SOAP Binding

Compliant: Yes

3.2 How the SOAP Binding Extends WSDL

Compliant: Partial

Note: soap:header and soap:headerfault are not supported.

3.3 soap:binding

Compliant: Yes

3.4 soap:operation

Compliant: Yes

3.5 soap:body

Compliant: Yes

3.6 soap:fault

Compliant: Yes

3.7 soap:header and soap:headerfault

Compliant: No

Note: soap:header and soap:headerfault are not supported.

3.8 soap:address

Compliant: Yes

4 HTTP GET & POST Binding

Compliant: No

Note: Only SOAP binding is supported.

5 MIME Binding

Compliant: No

Note: Only SOAP binding is supported.