AtlasMap Design Time Service API Reference

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Design Time Service

1. Core	1
1.1. Paths	
1.1.1. List FieldActions	1
1.1.2. Upload Library.	1
1.1.3. Remove All Mappings	1
1.1.4. Process Mapping	2
1.1.5. Validate Mapping	3
1.1.6. Create Mapping	3
1.1.7. Get Mapping	4
1.1.8. Update Mapping	4
1.1.9. Remove Mapping.	5
1.1.10. List Mappings	6
1.1.11. Ping	6
1.2. Definitions	7
1.2.1. ActionDetail	7
1.2.2. ActionDetails	8
1.2.3. ActionParameter	8
1.2.4. ActionParameters	8
1.2.5. Actions	9
1.2.6. AtlasLibraryLoader	9
1.2.7. AtlasMapping	9
1.2.8. AtlasMappingResult	9
1.2.9. Audit	10
1.2.10. Audits	10
1.2.11. BaseMapping	10
1.2.12. ClassLoader	11
1.2.13. Constant	11
1.2.14. Constants	11
1.2.15. DataSource	11
1.2.16. Field	12
1.2.17. FieldGroup	13
1.2.18. LookupEntry	14
1.2.19. LookupTable	14
1.2.20. LookupTables	15
1.2.21. Mapping	15
1.2.22. Mappings	16
1.2.23. ProcessMappingResponse.	16
1.2.24. Properties	16

1.2.25. Property	
1.2.26. StringMap	
1.2.27. StringMapEntry	
1.2.28. TargetDocument	
1.2.29. Validation	
1.2.30. Validations	
2. Java	
2.1. Paths	
2.1.1. Inspect Class	
2.1.2. Inspect Class	
2.1.3. Generate Maven Classpath	
2.1.4. Simple	
2.2. Definitions	
2.2.1. Actions	
2.2.2. JavaClass	
2.2.3. JavaEnumField	
2.2.4. JavaEnumFields	
2.2.5. JavaField	
2.2.6. JavaFields	
2.2.7. MavenClasspathResponse	
2.2.8. ModifierList	
2.2.9. StringList	
3. JSON	
3.1. Paths	
3.1.1. Inspect JSON	
3.1.2. Inspect JSON via URI	
3.1.3. Simple	
3.2. Definitions	
3.2.1. Actions	
3.2.2. Field	
3.2.3. Fields	
3.2.4. JsonDocument	31
3.2.5. JsonInspectionResponse	31
4. XML	
4.1. Paths	
4.1.1. Inspect XML	
4.1.2. Inspect XML via URI	
4.1.3. Simple	
4.2. Definitions	
4.2.1. Actions	
4.2.2. Field	

4.2.3. Fields	34
4.2.4. XmlDocument	35
4.2.5. XmlInspectionResponse	35
4.2.6. XmlNamespace	35
4.2.7. XmlNamespaces	36

Chapter 1. Core

1.1. Paths

1.1.1. List FieldActions

GET /fieldActions

Description

Retrieves a list of available field action

Responses

HTTP Code	Description	Schema
200	Return a list of field action detail	ActionDetails

Produces

• application/json

1.1.2. Upload Library

PUT /library

Description

Upload a Java library archive file

Responses

HTTP Code	Description	Schema
200	Library upload successful.	No Content

Consumes

• application/octet-stream

1.1.3. Remove All Mappings

DELETE /mapping/RESET

Description

Remove all mapping files saved on the server

Responses

HTTP Code	Description	Schema
200	All mapping files were removed successfully	No Content
204	Unable to remove all mapping files	No Content

Produces

application/json

1.1.4. Process Mapping

PUT /mapping/process

Description

Process Mapping by feeding input data

Responses

HTTP Code	Description	Schema
200	Return a mapping result	ProcessMappingR esponse
204	Skipped empty mapping execution	No Content

Consumes

• application/json

Produces

application/json

1.1.5. Validate Mapping

PUT /mapping/validate

Description

Validate mapping file

Responses

HTTP Code	Description	Schema
200	Return a validation result	Validations

Consumes

application/json

Produces

application/json

1.1.6. Create Mapping

PUT /mapping/{mappingFormat}

Description

Save a mapping file on the server

Parameters

Type	Name	Description	Schema
Path	mappingForm at required	Mapping Format	string

Responses

HTTP Code	Description	Schema
200	Succeeded	No Content

Consumes

- application/json
- application/xml
- application/octet-stream

Produces

• application/json

1.1.7. Get Mapping

GET /mapping/{mappingFormat}/{mappingId}

Description

Retrieve a mapping file saved on the server

Parameters

Type	Name	Description	Schema
Path	mappingForm at required	Mapping Format	string
Path	mappingId required	Mapping ID	string

Responses

HTTP Code	Description	Schema
200	Return a mapping file content	AtlasMapping
204	Mapping file was not found	No Content

Produces

- application/json
- application/xml
- application/octet-stream

1.1.8. Update Mapping

POST /mapping/{mappingId}

Description

Update existing mapping file on the server

Parameters

Type	Name	Description	Schema
Path	mappingId required	Mapping ID	string

Responses

HTTP Code	Description	Schema
200	Succeeded	No Content

Consumes

• application/json

Produces

• application/json

1.1.9. Remove Mapping

DELETE /mapping/{mappingId}

Description

Remove a mapping file saved on the server

Parameters

Туре	Name	Description	Schema
Path	mappingId required	Mapping ID	string

Responses

HTTP Code	Description	Schema
200	Specified mapping file was removed successfully	No Content
204	Mapping file was not found	No Content

Produces

• application/json

1.1.10. List Mappings

GET /mappings

Description

Retrieves a list of mapping file name saved on the server

Parameters

Туре	Name	Schema
Query	filter optional	string

Responses

HTTP Code	Description	Schema
200	Return a list of a pair of mapping file name and content	StringMap

Produces

• application/json

1.1.11. Ping

GET /ping

Description

Simple liveness check method used in liveness checks. Must not be protected via authetication.

Responses

HTTP Code	Description	Schema
200	Return 'pong'	string

1.2. Definitions

1.2.1. ActionDetail

Name	Schema
className optional	string
custom optional	boolean
method optional	string
name optional	string
parameters optional	ActionParameters
sourceCollectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
sourceType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
targetCollectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)

Name	Schema
targetType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)

1.2.2. ActionDetails

Name	Schema
actionDetail optional	< ActionDetail > array

1.2.3. ActionParameter

Name	Schema
description optional	string
displayName optional	string
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
name optional	string
values optional	< string > array

1.2.4. ActionParameters

Name	Schema
parameter optional	< ActionParameter > array

1.2.5. Actions

Type : object

1.2.6. AtlasLibraryLoader

Name	Schema
empty optional	boolean
<pre>parent optional</pre>	ClassLoader

1.2.7. AtlasMapping

Name	Schema
constants optional	Constants
dataSource required	< DataSource > array
lookupTables optional	LookupTables
mappings required	Mappings
name optional	string
properties optional	Properties

1.2.8. AtlasMappingResult

Name	Schema
audits optional	Audits
targetDocuments optional	< TargetDocument > array

1.2.9. Audit

Name	Schema
docId optional	string
message optional	string
path optional	string
status optional	enum (ALL, INFO, WARN, ERROR, NONE)
value optional	string

1.2.10. Audits

Name	Schema
audit optional	< Audit > array

1.2.11. BaseMapping

Name	Schema
alias optional	string
description optional	string

Name	Schema
mappingType optional	enum (ALL, COLLECTION, COMBINE, LOOKUP, MAP, SEPARATE, NONE)

1.2.12. ClassLoader

Name	Schema
<pre>parent optional</pre>	ClassLoader

1.2.13. Constant

Name	Schema
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
name optional	string
value optional	string

1.2.14. Constants

Name	Schema
constant optional	< Constant > array

1.2.15. DataSource

Name	Schema
dataSourceType optional	enum (SOURCE, TARGET)

Name	Schema
id optional	string
uri optional	string

1.2.16. Field

Name	Schema
actions optional	Actions
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string
index optional	integer (int32)
path optional	string

Name	Schema
required optional	boolean
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
value optional	object

1.2.17. FieldGroup

Name	Schema
actions optional	Actions
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
field optional	< Field > array
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string

Name	Schema
index optional	integer (int32)
path optional	string
required optional	boolean
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
value optional	object

1.2.18. LookupEntry

Name	Schema
sourceType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
sourceValue optional	string
targetType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
targetValue optional	string

1.2.19. LookupTable

Name	Schema
description optional	string
lookupEntry optional	< LookupEntry > array
name optional	string

1.2.20. LookupTables

Name	Schema
lookupTable optional	< LookupTable > array

1.2.21. Mapping

Name	Schema
alias optional	string
delimiter optional	string
delimiterString optional	string
description optional	string
id optional	string
inputField optional	< Field > array
inputFieldGroup optional	FieldGroup
lookupTableName optional	string

Name	Schema
mappingType optional	enum (ALL, COLLECTION, COMBINE, LOOKUP, MAP, SEPARATE, NONE)
outputField optional	< Field > array
strategy optional	string
strategyClassName optional	string

1.2.22. Mappings

Name	Schema
mapping optional	< BaseMapping > array

1.2.23. ProcessMappingResponse

Name	Schema
atlasMappingResult optional	AtlasMappingResult
audits optional	Audits
mapping optional	Mapping

1.2.24. Properties

Name	Schema
property optional	< Property > array

1.2.25. Property

Name	Schema		
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)		
name optional	string		
value optional	string		

1.2.26. StringMap

Name	Schema
stringMapEntry optional	< StringMapEntry > array

1.2.27. StringMapEntry

Name	Schema
name optional	string
value optional	string

1.2.28. TargetDocument

Name	Schema
body optional	string
docId optional	string

1.2.29. Validation

Name	Schema
id optional	string
message optional	string
scope optional	enum (ALL, DATA_SOURCE, MAPPING, LOOKUP_TABLE, CONSTANT, PROPERTY)
status optional	enum (ALL, INFO, WARN, ERROR, NONE)

1.2.30. Validations

Name	Schema
validation optional	< Validation > array

Chapter 2. Java

2.1. Paths

2.1.1. Inspect Class

POST /java/class

Description

Inspect a Java Class with specified fully qualified class name and return a Document object

Responses

HTTP Code	Description	Schema
200	Return a Document object represented by JavaClass	JavaClass

Consumes

• application/json

Produces

application/json

2.1.2. Inspect Class

GET /java/class

Description

Inspect a Java Class with specified fully qualified class name and return a Document object

Parameters

Туре	Name	Description	Schema
Query	className optional	The fully qualified class name to inspect	string

Responses

HTTP Code	Description	Schema
200	Return a Document object represented by JavaClass	JavaClass

Produces

• application/json

2.1.3. Generate Maven Classpath

POST /java/mavenclasspath

Description

Retrieve a maven classpath string

Responses

HTTP Code	Description	Schema
200	Return a MavenClasspathResponse object which contains classpath string	MavenClasspathR esponse

Consumes

• application/json

Produces

• application/json

2.1.4. Simple

GET /java/simple

Description

Simple hello service

Parameters

Type	Name	Description	Schema
Query	from optional	From	string

Responses

HTTP Code	Description	Schema
200	Return a response	string

Produces

• text/plain

2.2. Definitions

2.2.1. Actions

Type : object

2.2.2. JavaClass

Name	Schema
actions optional	Actions
annonymous optional	boolean
annotation optional	boolean
annotations optional	StringList
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
canonicalClassName optional	string
className optional	string

Name	Schema
collectionClassName optional	string
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
enumeration optional	boolean
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string
getMethod optional	string
index optional	integer (int32)
interface optional	boolean
javaEnumFields required	JavaEnumFields
javaFields required	JavaFields
localClass optional	boolean
memberClass optional	boolean

Name	Schema
modifiers required	ModifierList
name optional	string
packageName optional	string
parameterizedTypes optional	StringList
path optional	string
primitive optional	boolean
required optional	boolean
setMethod optional	string
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
synthetic optional	boolean
uri optional	string
value optional	object

2.2.3. JavaEnumField

Name	Schema
actions optional	Actions

Name	Schema
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
className optional	string
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string
index optional	integer (int32)
name optional	string
ordinal optional	integer (int32)
path optional	string
required optional	boolean
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)

Name	Schema
value optional	object

2.2.4. JavaEnumFields

Name	Schema
javaEnumField optional	< JavaEnumField > array

2.2.5. JavaField

Name	Schema
actions optional	Actions
annotations optional	StringList
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
canonicalClassName optional	string
className optional	string
collectionClassName optional	string
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string

Name	Schema
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string
getMethod optional	string
index optional	integer (int32)
modifiers required	ModifierList
name optional	string
parameterizedTypes optional	StringList
path optional	string
primitive optional	boolean
required optional	boolean
setMethod optional	string
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
synthetic optional	boolean

Name	Schema
value optional	object

2.2.6. JavaFields

Name	Schema
javaField optional	< JavaField > array

${\bf 2.2.7.}\ Maven Class path Response$

Name	Schema
classpath optional	string
errorMessage optional	string
executionTime optional	integer (int64)

2.2.8. ModifierList

Name	Schema
modifier optional	<pre>< enum (ALL, ABSTRACT, FINAL, INTERFACE, NATIVE, PACKAGE_PRIVATE, PUBLIC, PROTECTED, PRIVATE, STATIC, STRICT, SYNCHRONIZED, TRANSIENT, VOLATILE, NONE) > array</pre>

2.2.9. StringList

Name	Schema
string optional	< string > array

Chapter 3. JSON

3.1. Paths

3.1.1. Inspect JSON

POST /json/inspect

Description

Inspect a JSON schema or instance and return a Document object

Responses

HTTP Code	Description	Schema
200	Return a Document object represented by JsonDocument	JsonInspectionRes ponse

Consumes

• application/json

Produces

• application/json

3.1.2. Inspect JSON via URI

GET /json/inspect

Description

NOT IMPLEMENTED Inspect a JSON schema or instance located at specified URI and return a Document object

Parameters

Type	Name	Description	Schema
Query	type optional		string

Туре	Name	Description	Schema
Query	uri optional	URI for JSON schema or instance	string

Responses

HTTP Code	Description	Schema
200	Return a Document object represented by JsonDocument	JsonDocument

Produces

application/json

3.1.3. Simple

GET /json/simple

Description

Simple hello service

Parameters

Type	Name	Description	Schema
Query	from optional	From	string

Responses

HTTP Code	Description	Schema
200	Return a response	string

Produces

• text/plain

3.2. Definitions

3.2.1. Actions

Type: object

3.2.2. Field

Name	Schema
actions optional	Actions
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string
index optional	integer (int32)
path optional	string
required optional	boolean
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
value optional	object

3.2.3. Fields

Name	Schema
field optional	< Field > array

3.2.4. JsonDocument

Name	Schema
fields required	Fields

${\bf 3.2.5.} \ Js on Inspection Response$

Name	Schema
errorMessage optional	string
executionTime optional	integer (int64)
jsonDocument optional	JsonDocument

Chapter 4. XML

4.1. Paths

4.1.1. Inspect XML

POST /xml/inspect

Description

Inspect a XML schema or instance and return a Document object

Responses

HTTP Code	Description	Schema
200	Return a Document object represented by XmlDocument	XmlInspectionRes ponse

Consumes

• application/json

Produces

• application/json

4.1.2. Inspect XML via URI

GET /xml/inspect

Description

Inspect a XML schema or instance located at specified URI and return a Document object

Parameters

Туре	Name	Schema
Query	type optional	string
Query	uri optional	string

Responses

HTTP Code	Description	Schema
200	Return a Document object represented by XmlDocument	XmlDocument

Produces

• application/json

4.1.3. Simple

GET /xml/simple

Description

Simple hello service

Parameters

Туре	Name	Schema
Query	from optional	string

Responses

HTTP Code	Description	Schema
200	Return a response	string

Produces

• text/plain

4.2. Definitions

4.2.1. Actions

Type: object

4.2.2. Field

Name	Schema
actions optional	Actions
arrayDimensions optional	integer (int32)
arraySize optional	integer (int32)
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
fieldType optional	enum (ANY, ANY_DATE, BIG_INTEGER, BOOLEAN, BYTE, BYTE_ARRAY, CHAR, COMPLEX, DATE, DATE_TIME, DATE_TIME_TZ, DATE_TZ, DECIMAL, DOUBLE, FLOAT, INTEGER, LONG, NONE, NUMBER, SHORT, STRING, TIME, TIME_TZ, UNSIGNED_BYTE, UNSIGNED_INTEGER, UNSIGNED_LONG, UNSIGNED_SHORT, UNSUPPORTED)
format optional	string
index optional	integer (int32)
path optional	string
required optional	boolean
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
value optional	object

4.2.3. Fields

Name	Schema
field optional	< Field > array

4.2.4. XmlDocument

Name	Schema
fields required	Fields
xmlNamespaces required	XmlNamespaces

${\bf 4.2.5.}\ XmlIn spection Response$

Name	Schema
errorMessage optional	string
executionTime optional	integer (int64)
xmlDocument optional	XmlDocument

4.2.6. XmlNamespace

Name	Schema
alias optional	string
locationUri optional	string
targetNamespace optional	boolean
uri optional	string

4.2.7. XmlNamespaces

Name	Schema
xmlNamespace optional	< XmlNamespace > array