# AtlasMap Design Time Service API Reference

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# **Design Time Service**

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## Chapter 1. Core

## 1.1. Paths

#### 1.1.1. List FieldActions

GET /v2/atlas/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. Create Mapping

PUT /v2/atlas/mapping

#### **Description**

Save a mapping file on the server

#### Responses

HTTP Code	Description	Schema
200	Succeeded	No Content

#### **Consumes**

• application/json

#### **Produces**

• application/json

## 1.1.3. Process Mapping

PUT /v2/atlas/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

### 1.1.4. Validate Mapping

PUT /v2/atlas/mapping/validate

#### **Description**

Validate mapping file

#### Responses

HTTP Code	Description	Schema
200	Return a validation result	Validations

#### **Consumes**

• application/json

#### **Produces**

• application/json

## 1.1.5. Update Mapping

POST /v2/atlas/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

## 1.1.6. Get Mapping

GET /v2/atlas/mapping/{mappingId}

### **Description**

Retrieve a mapping file saved on the server

#### **Parameters**

Type	Name	Description	Schema
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

## 1.1.7. Remove Mapping

DELETE /v2/atlas/mapping/{mappingId}

#### **Description**

Remove a mapping file saved on the server

#### **Parameters**

Type	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

### 1.1.8. List Mappings

GET /v2/atlas/mappings

#### **Description**

Retrieves a list of mapping file name saved on the server

#### **Parameters**

Туре	Name	Schema
Query	<b>filter</b> optional	string

#### Responses

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

#### **Produces**

application/json

### 1.1.9. Ping

GET /v2/atlas/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

Name	Schema
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)
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

Name	Schema
displayName optional	string
<b>fieldType</b> 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. AtlasMapping

Name	Schema
constants optional	Constants
dataSource required	< DataSource > array
lookupTables optional	LookupTables
mappings required	Mappings

Name	Schema
name optional	string
<b>properties</b> optional	Properties

## 1.2.7. AtlasMappingResult

Name	Schema
audits optional	Audits
targetDocuments optional	< TargetDocument > array

### 1.2.8. Audit

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

## 1.2.9. Audits

Name	Schema
audit optional	< Audit > array

## 1.2.10. BaseMapping

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

### **1.2.11. Constant**

Name	Schema
<b>fieldType</b> 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

### **1.2.12. Constants**

Name	Schema
constant optional	< Constant > array

### 1.2.13. DataSource

Name	Schema
dataSourceType optional	enum (SOURCE, TARGET)

Name	Schema
id optional	string
<b>uri</b> optional	string

### 1.2.14. 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
<b>fieldType</b> 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)
<b>format</b> 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

## 1.2.15. 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

## 1.2.16. LookupTable

Name	Schema
description optional	string
lookupEntry optional	< LookupEntry > array

Name	Schema
name optional	string

## 1.2.17. LookupTables

Name	Schema
lookupTable optional	< LookupTable > array

## 1.2.18. **Mapping**

Name	Schema
alias optional	string
delimiter optional	string
delimiterString optional	string
description optional	string
id optional	string
inputField optional	< Field > array
lookupTableName optional	string
mappingType optional	enum (ALL, COLLECTION, COMBINE, LOOKUP, MAP, SEPARATE, NONE)
outputField optional	< Field > array
strategy optional	string

Name	Schema
strategyClassName optional	string

## **1.2.19. Mappings**

Name	Schema
mapping optional	< BaseMapping > array

## ${\bf 1.2.20.\ Process Mapping Response}$

Name	Schema
atlasMappingResult optional	AtlasMappingResult
audits optional	Audits
mapping optional	Mapping

## 1.2.21. Properties

Name	Schema
<b>property</b> optional	< Property > array

## **1.2.22. Property**

Name	Schema
<b>fieldType</b> 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	Schema
name optional	string
value optional	string

## 1.2.23. StringMap

Name	Schema
stringMapEntry optional	< StringMapEntry > array

## 1.2.24. StringMapEntry

Name	Schema
name optional	string
value optional	string

## 1.2.25. TargetDocument

Name	Schema
<b>body</b> optional	string
docId optional	string

### 1.2.26. Validation

Name	Schema
id optional	string
message optional	string

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

### 1.2.27. Validations

Name	Schema
validation optional	< Validation > array

## Chapter 2. Java

## **2.1. Paths**

### 2.1.1. Inspect Class

POST /v2/atlas/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 /v2/atlas/java/class

#### **Description**

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

#### **Parameters**

Type	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 /v2/atlas/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 /v2/atlas/java/simple

#### **Description**

Simple hello service

#### **Parameters**

Type	Name	Description	Schema
Query	<b>from</b> 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)
className optional	string
collectionClassName optional	string

Name	Schema
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)
docId optional	string
enumeration optional	boolean
<b>fieldType</b> 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)
<b>format</b> optional	string
getMethod optional	string
index optional	integer (int32)
interface optional	boolean
<b>javaEnumFields</b> required	JavaEnumFields
<b>javaFields</b> required	JavaFields
localClass optional	boolean
memberClass optional	boolean
modifiers required	ModifierList

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

## 2.2.3. JavaEnumField

Name	Schema
actions optional	Actions
arrayDimensions optional	integer (int32)

Name	Schema		
arraySize optional	integer (int32)		
className optional	string		
collectionType optional	enum (ALL, ARRAY, LIST, MAP, NONE)		
docId optional	string		
<b>fieldType</b> 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)		
<b>format</b> 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)		
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)
className optional	string
collectionClassName 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)
<b>format</b> optional	string

Name	Schema
getMethod optional	string
index optional	integer (int32)
modifiers required	ModifierList
name optional	string
parameterizedTypes optional	StringList
path optional	string
<b>primitive</b> optional	boolean
required optional	boolean
setMethod optional	string
status optional	enum (SUPPORTED, UNSUPPORTED, CACHED, ERROR, NOT_FOUND, BLACK_LIST)
synthetic optional	boolean
value optional	object

## 2.2.6. JavaFields

Name	Schema
<b>javaField</b> 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>&lt; enum (ALL, ABSTRACT, FINAL, INTERFACE, NATIVE, PACKAGE_PRIVATE, PUBLIC, PROTECTED, PRIVATE, STATIC, STRICT, SYNCHRONIZED, TRANSIENT, VOLATILE, NONE) &gt; array</pre>		

## 2.2.9. StringList

Name	Schema
string optional	< string > array

## Chapter 3. JSON

## **3.1. Paths**

### 3.1.1. Inspect JSON

POST /v2/atlas/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 /v2/atlas/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	<b>type</b> optional		string

Туре	Name	Description	Schema
Query	<b>uri</b> 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 /v2/atlas/json/simple

### **Description**

Simple hello service

#### **Parameters**

Type	Name	Description	Schema
Query	<b>from</b> 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
<b>fieldType</b> 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)
<b>format</b> 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
<b>field</b> optional	< Field > array

## 3.2.4. JsonDocument

Name	Schema
<b>fields</b> required	Fields

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

Name	Schema
errorMessage optional	string
executionTime optional	integer (int64)
<b>jsonDocument</b> optional	JsonDocument

## Chapter 4. XML

## **4.1. Paths**

### 4.1.1. Inspect XML

POST /v2/atlas/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 /v2/atlas/xml/inspect

#### **Description**

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

#### **Parameters**

Туре	Name	Schema
Query	<b>type</b> optional	string
Query	<b>uri</b> optional	string

#### Responses

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

#### **Produces**

• application/json

## **4.1.3. Simple**

GET /v2/atlas/xml/simple

### **Description**

Simple hello service

#### **Parameters**

Туре	Name	Schema
Query	<b>from</b> 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
<b>fieldType</b> 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)
<b>format</b> 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
<b>field</b> optional	< Field > array

## 4.2.4. XmlDocument

Name	Schema
<b>fields</b> required	Fields
<b>xmlNamespaces</b> required	XmlNamespaces

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

Name	Schema
errorMessage optional	string
executionTime optional	integer (int64)
<b>xmlDocument</b> optional	XmlDocument

## 4.2.6. XmlNamespace

Name	Schema
alias optional	string
locationUri optional	string
targetNamespace optional	boolean
<b>uri</b> optional	string

## 4.2.7. XmlNamespaces

Name	Schema
xmlNamespace optional	< XmlNamespace > array