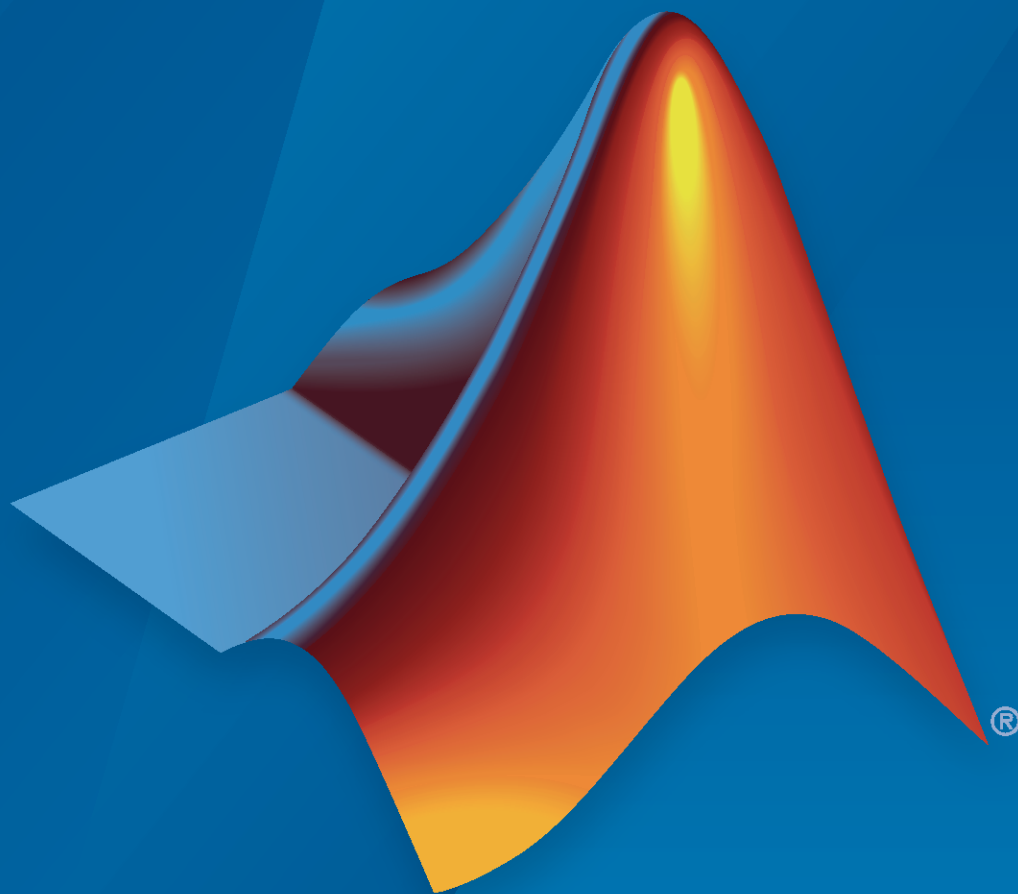


**Modelscape™**

Reference



**MATLAB®**

R2023a



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## *Modelscope™ Reference*

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## **Revision History**

March 2023	Online only	New for Version 1.0 (Release 2023a)
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# Using the Modelscope API

---

Modelscope™ provides tools for model lifecycle support including governance, automation, documentation, and operation in a unified, customizable system.

The HTTP API for Modelscope enables you to use Modelscope features by providing a set of HTTP endpoints to work with Lifecycles, Models, Model Versions, Model Version Reviews, References, Builds, and Deployments.

The Modelscope API allows application developers to interact with Modelscope and embed it in HTML pages using a web-based language such as JavaScript®, or build client applications using HTTP-supported programming languages such as Java®, Python®, and C++.

The Modelscope API uses the HTTP request-response model for communicating with Modelscope. This model includes request methods, response codes, message headers, and message bodies. The Modelscope API has the following characteristics:

- The HTTP method POST forms the primary mode of communication between client and server.
- Unique Uniform Resource Identifiers (URIs) identify the resources that the server creates.
- Message headers convey metadata such as the Content - Type of a request. The Modelscope API supports application/json as the HTTP Content - Type header.
- The message body of the request contains information to be sent to the server.

Category	Description
"Lifecycles API"	Create, get, and update Lifecycles. A Lifecycle represents all the steps in a Model Version's trajectory from proposal to decommissioning.
"Models API"	Create, get, and update Models. A model is a quantitative solution used to guide business decisions.
"Model Versions API"	Create, get, and update Model Versions. A Model Version refers to a particular commit of a Model.
"Model Version Reviews API"	Create, get, and close Model Version Reviews. A Model Version Review represents validation activity on a Model Version.
"References API"	Manage References and Reference Types, which are mechanisms for storing custom information about a Model, Model Version, or Review.
"Dependencies API"	Create, get, update, and delete Dependencies between Models.
"Builds API"	Create, get, and update Builds. A Build is a usable binary of a Model Version.

<b>Category</b>	<b>Description</b>
"Deployments API"	<p>Create, get, and update Deployment Environments. Create, get, update, and evaluate Deployments.</p> <p>A Deployment Environment is an environment where a Build can be deployed. A Deployment is an instance of a Build in a particular Deployment Environment.</p>

# Lifecycles API

---

# CreateLifeCycle

Create a new Lifecycle.

## Request

### HTTP Method

POST

### URI

/modelscape/lifecycle/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
name	The name of the Lifecycle.	"name"
diagram	The Web Diagram Framework JSON representation of the Lifecycle.	"{}"
metaData	MetaData for the Lifecycle.	{ "custom": {} }

### Example

```
{
  "mwtype": "lifecycle/CreateLifeCycle",
  "name": "name",
  "diagram": "{}",
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Lifecycle.



Name	Description	Value-Type
guid	The unique GUID of the newly created Lifecycle.	"guid"

**Example**

```
{
  "mwtype": "lifecycle/CreateLifeCycleResponse",
  "guid": "guid"
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetAllLifeCycles

Get all available Lifecycles.

### Request

#### HTTP Method

POST

#### URI

/modelscape/lifecycle/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{  
  "mwtype": "lifecycle/GetAllLifeCycles"  
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Lifecycles.

Name	Description	Value-Type
lifecycles	An array of Lifecycles.	[ { "guid": "guid", "name": "name", "diagram": "{}", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "states": [ { "name": "name", "guid": "guid" } ], "transitions": [ { "source": { "guid": "guid" }, "destination": { "guid": "guid" } } ] } ]

**Example**

```
{
  "mwtype": "lifecycle/LifeCyclesResponse",
  "lifecycles": [
    {
      "guid": "guid",
      "name": "name",
      "diagram": "{}",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "states": [
        {
          "name": "name",
          "guid": "guid"
        }
      ],
      "transitions": [
        {
          "source": {
            "guid": "guid"
          },
          "destination": {
            "guid": "guid"
          }
        }
      ]
    }
  ]
}
```

**Error**

**HTTP Status Code**

400 BadRequest

# GetLifecycleByGUID

Get a Lifecycle by GUID.

## Request

### HTTP Method

POST

### URI

/modelscape/lifecycle/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
guid	The GUID of the Lifecycle.	"guid"

### Example

```
{
  "mwtype": "lifecycle/GetLifecycleByGUID",
  "guid": "guid"
}
```

## Response

### Success

#### HTTP Status Code

200 OK

### Body

Returns a Lifecycle.

Name	Description	Value-Type
lifecycle	A Lifecycle.	{ "guid": "guid", "name": "name", "diagram": "{}", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "states": [ { "name": "name", "guid": "guid" } ], "transitions": [ { "source": { "guid": "guid" }, "destination": { "guid": "guid" } } ] }

**Example**

```
{
  "mwtype": "lifecycle/LifeCycleResponse",
  "lifecycle": {
    "guid": "guid",
    "name": "name",
    "diagram": "{}",
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    },
    "states": [
      {
        "name": "name",
        "guid": "guid"
      }
    ],
    "transitions": [
      {
        "source": {
          "guid": "guid"
        },
        "destination": {
          "guid": "guid"
        }
      }
    ]
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

# GetLifeCyclesByName

Get Lifecycles by name.

## Request

### HTTP Method

POST

### URI

/modelscape/lifecycle/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
name	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Lifecycle name.	"name"

### Example

```
{
  "mwtype": "lifecycle/GetLifeCyclesByName",
  "name": "name"
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns an array of Lifecycles.

Name	Description	Value-Type
lifecycles	An array of Lifecycles.	[ { "guid": "guid", "name": "name", "diagram": "{}", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "states": [ { "name": "name", "guid": "guid" } ], "transitions": [ { "source": { "guid": "guid" }, "destination": { "guid": "guid" } } ] } ]

**Example**

```
{
  "mwtype": "lifecycle/LifeCyclesResponse",
  "lifecycles": [
    {
      "guid": "guid",
      "name": "name",
      "diagram": "{}",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "states": [
        {
          "name": "name",
          "guid": "guid"
        }
      ],
      "transitions": [
        {
          "source": {
            "guid": "guid"
          },
          "destination": {
            "guid": "guid"
          }
        }
      ]
    }
  ]
}
```



**Error**

**HTTP Status Code**

400 BadRequest

## UpdateLifeCycle

Update a Lifecycle (partial update allowed).

### Request

#### HTTP Method

POST

#### URI

/modelscape/lifecycle/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Lifecycle.	"guid"
diagram	The Web Diagram Framework JSON representation of the Lifecycle.	"{}"
metaData	MetaData for the Lifecycle.	{ "custom": {} }

#### Example

```
{
  "mwtype": "lifecycle/UpdateLifeCycle",
  "guid": "guid",
  "diagram": "{}",
  "metaData": {
    "custom": {}
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Updates were successful.

**Example**

```
{  
  "mwtype": "lifecycle/UpdateLifeCycleResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest



# Models API

---

## CreateModel

Create a new Model.

### Request

#### HTTP Method

POST

#### URI

/modelscape/model/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	The name of the Model.	"name"
description	The description of the Model.	"description"
repository	The repository of the Model.	"https://git/repo"
lifecycle	The Web Diagram Framework JSON representation of the LifeCycle.	{ "guid": "guid" }
metaData	MetaData for the Model.	{ "custom": {} }

#### Example

```
{
  "mwtype": "model/CreateModel",
  "name": "name",
  "description": "description",
  "repository": "https://git/repo",
  "lifecycle": {
    "guid": "guid"
  },
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Model.

Name	Description	Value-Type
guid	The unique GUID of the newly created Model.	"guid"

### Example

```
{
  "mwtype": "model/CreateModelResponse",
  "guid": "guid"
}
```

### Error

#### HTTP Status Code

400 BadRequest

## GetAllModels

Get all available Models.

### Request

#### HTTP Method

POST

#### URI

/modelscape/model/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{  
  "mwtype": "model/GetAllModels"  
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Models.



Name	Description	Value-Type
models	An array of Models.	<pre>[ { "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/ repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ] ]</pre>

**Example**

```
{
  "mwtype": "model/ModelsResponse",
  "models": [
    {
      "guid": "guid",
      "lifecycle": {
        "guid": "guid"
      },
      "name": "name",
      "description": "description",
      "repository": "https://git/repo",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "downstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "upstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# GetModelByGUID

Get a Model by GUID.

## Request

### HTTP Method

POST

### URI

/modelscape/model/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
guid	The GUID of the Model.	"guid"

### Example

```
{
  "mwtype": "model/GetModelByGUID",
  "guid": "guid"
}
```

## Response

### Success

#### HTTP Status Code

200 OK

### Body

Returns a Model.

Name	Description	Value-Type
model	A Model.	<pre>{ "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] }</pre>

**Example**

```
{
  "mwtype": "model/ModelResponse",
  "model": {
    "guid": "guid",
    "lifecycle": {
      "guid": "guid"
    },
    "name": "name",
    "description": "description",
    "repository": "https://git/repo",
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    },
    "downstreams": [
      {
        "guid": "guid",
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ],
    "upstreams": [
      {
        "guid": "guid",
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ]
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetModelsByDescription

Get Models by description.

### Request

#### HTTP Method

POST

#### URI

/modelscape/model/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
description	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Model description.	"description"

#### Example

```
{
  "mwtype": "model/GetModelsByDescription",
  "description": "description"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Models.

Name	Description	Value-Type
models	An array of Models.	<pre>[ { "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/ repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ] ]</pre>

**Example**

```
{
  "mwtype": "model/ModelsResponse",
  "models": [
    {
      "guid": "guid",
      "lifecycle": {
        "guid": "guid"
      },
      "name": "name",
      "description": "description",
      "repository": "https://git/repo",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "downstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "upstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest



# GetModelsByLifeCycle

Get Models by LifeCycle.

## Request

### HTTP Method

POST

### URI

/modelscape/model/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
lifecycle	The GUID of an existing LifeCycle.	{ "guid": "guid" }

### Example

```
{
  "mwtype": "model/GetModelsByLifeCycle",
  "lifecycle": {
    "guid": "guid"
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

### Body

Returns an array of Models.

Name	Description	Value-Type
models	An array of Models.	<pre>[ { "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/ repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ] ]</pre>

**Example**

```

{
  "mwtype": "model/ModelsResponse",
  "models": [
    {
      "guid": "guid",
      "lifecycle": {
        "guid": "guid"
      },
      "name": "name",
      "description": "description",
      "repository": "https://git/repo",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "downstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "upstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}

```

**Error****HTTP Status Code**

400 BadRequest

## GetModelsByName

Get Models by name.

### Request

#### HTTP Method

POST

#### URI

/modelscape/model/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Model name.	"name"

#### Example

```
{
  "mwtype": "model/GetModelsByName",
  "name": "name"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Models.

Name	Description	Value-Type
models	An array of Models.	<pre>[ { "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/ repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ] ]</pre>

**Example**

```
{
  "mwtype": "model/ModelsResponse",
  "models": [
    {
      "guid": "guid",
      "lifecycle": {
        "guid": "guid"
      },
      "name": "name",
      "description": "description",
      "repository": "https://git/repo",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "downstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "upstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# GetModelsByRepository

Get Models by repository.

## Request

### HTTP Method

POST

### URI

/modelscape/model/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
repository	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Model repository.	"https://git/repo"

### Example

```
{
  "mwtype": "model/GetModelsByRepository",
  "repository": "https://git/repo"
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns an array of Models.

Name	Description	Value-Type
models	An array of Models.	<pre>[ { "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/ repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ] ]</pre>



**Example**

```

{
  "mwtype": "model/ModelsResponse",
  "models": [
    {
      "guid": "guid",
      "lifecycle": {
        "guid": "guid"
      },
      "name": "name",
      "description": "description",
      "repository": "https://git/repo",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "downstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "upstreams": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}

```

**Error****HTTP Status Code**

400 BadRequest

## UpdateModel

Updates a Model (partial update allowed).

### Request

#### HTTP Method

POST

#### URI

/modelscape/model/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Model.	"guid"
name	The name of the Model.	"name"
description	The description of the Model.	"description"
metaData	MetaData for the Model.	{ "custom": {} }

#### Example

```
{
  "mwtype": "model/UpdateModel",
  "guid": "guid",
  "name": "name",
  "description": "description",
  "metaData": {
    "custom": {}
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

**Body**

Update was successful.

**Example**

```
{  
  "mwtype": "model/UpdateModelResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest



# Model Versions API

---

## CreateModelVersion

Create a new Model Version.

### Request

#### HTTP Method

POST

#### URI

/modelscape/modelversion/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
model	The Model for which to create a Version.	{ "guid": "guid" }
version	The version of the Model.	"1.0.0"
inputs	The inputs of this Model Version.	[ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

Name	Description	Value-Type
parameters	The parameters of this Model Version.	[ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]
outputs	The outputs of this Model Version.	[ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]
lifecycleState	The state this Model Version is in.	"guid"
metaData	MetaData for the Model Version.	{ "custom": {} }

**Example**

```
{
  "mwtype": "modelversion/CreateModelVersion",
  "model": {
    "guid": "guid"
  },
  "version": "1.0.0",
  "inputs": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "parameters": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "outputs": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",

```



```

        "modifiedBy": "admin",
        "custom": {}
      }
    ],
    "lifecycleState": "guid",
    "metaData": {
      "custom": {}
    }
  }
}

```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Model Version.

Name	Description	Value-Type
guid	The unique GUID of the newly created Model Version.	"guid"

### Example

```

{
  "mwtype": "modelversion/CreateModelVersionResponse",
  "guid": "guid"
}

```

### Error

#### HTTP Status Code

400 BadRequest

## GetAllModelVersions

Get all available Model Versions.

### Request

#### HTTP Method

POST

#### URI

/modelscape/modelversion/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{  
  "mwtype": "modelversion/GetAllModelVersions"  
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Versions.

Name	Description	Value-Type
modelVersions	An array of Model Versions.	<pre>[ { "guid": "guid", "model": { "guid": "guid" }, "version": "1.0.0", "commit": "sha2", "lifecycleState": "guid", "inputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "parameters": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "outputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]</pre>

**Example**

```

{
  "mwtype": "modelversion/ModelVersionsResponse",
  "modelVersions": [
    {
      "guid": "guid",
      "model": {
        "guid": "guid"
      },
      "version": "1.0.0",
      "commit": "sha2",
      "lifecycleState": "guid",
      "inputs": [
        {
          "name": "name",
          "description": "description",
          "unit": "unit",
          "sizes": [],
          "dataType": {
            "name": "double"
          },
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "parameters": [
        {
          "name": "name",
          "description": "description",
          "unit": "unit",
          "sizes": [],
          "dataType": {
            "name": "double"
          },
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "outputs": [
        {
          "name": "name",
          "description": "description",
          "unit": "unit",
          "sizes": [],
          "dataType": {
            "name": "double"
          }
        }
      ]
    }
  ]
}

```

```
    },
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  },
  ],
  "metaData": {
    "createdOn": "0001-01-01T00:00:00Z",
    "modifiedOn": "0001-01-01T00:00:00Z",
    "createdBy": "admin",
    "modifiedBy": "admin",
    "custom": {}
  }
}
]
```

**Error****HTTP Status Code**

400 BadRequest

## GetModelVersionByGUID

Get a Model Version by GUID.

### Request

#### HTTP Method

POST

#### URI

/modelscape/modelversion/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Model Version.	"guid"

#### Example

```
{
  "mwtype": "modelversion/GetModelVersionByGUID",
  "guid": "guid"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Model Version.

Name	Description	Value-Type
modelVersion	A Model Version.	<pre> { "guid": "guid", "model": { "guid": "guid" }, "version": "1.0.0", "commit": "sha2", "lifecycleState": "guid", "inputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "parameters": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ], "outputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } </pre>

**Example**

```
{
  "mwtype": "modelversion/ModelVersionResponse",
  "modelVersion": {
    "guid": "guid",
    "model": {
      "guid": "guid"
    },
    "version": "1.0.0",
    "commit": "sha2",
    "lifecycleState": "guid",
    "inputs": [
      {
        "name": "name",
        "description": "description",
        "unit": "unit",
        "sizes": [],
        "dataType": {
          "name": "double"
        },
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ],
    "parameters": [
      {
        "name": "name",
        "description": "description",
        "unit": "unit",
        "sizes": [],
        "dataType": {
          "name": "double"
        },
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ],
    "outputs": [
      {
        "name": "name",
        "description": "description",
        "unit": "unit",
        "sizes": [],
        "dataType": {
          "name": "double"
        }
      }
    ]
  }
}
```



```
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      },
    ],
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetModelVersionsByModel

Get Model Versions by Model.

### Request

#### HTTP Method

POST

#### URI

/modelscape/modelversion/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
model	The GUID of an existing Model.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "modelversion/GetModelVersionsByModel",
  "model": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Versions.

Name	Description	Value-Type
modelVersions	An array of Model Versions.	<pre>[ { "guid": "guid", "model": { "guid": "guid" }, "version": "1.0.0", "commit": "sha2", "lifecycleState": "guid", "inputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "parameters": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ], "outputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ]</pre>

**Example**

```

{
  "mwtype": "modelversion/ModelVersionsResponse",
  "modelVersions": [
    {
      "guid": "guid",
      "model": {
        "guid": "guid"
      },
      "version": "1.0.0",
      "commit": "sha2",
      "lifecycleState": "guid",
      "inputs": [
        {
          "name": "name",
          "description": "description",
          "unit": "unit",
          "sizes": [],
          "dataType": {
            "name": "double"
          },
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "parameters": [
        {
          "name": "name",
          "description": "description",
          "unit": "unit",
          "sizes": [],
          "dataType": {
            "name": "double"
          },
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "outputs": [
        {
          "name": "name",
          "description": "description",
          "unit": "unit",
          "sizes": [],
          "dataType": {
            "name": "double"
          }
        }
      ]
    }
  ]
}

```

```
    },  
    "metaData": {  
      "createdOn": "0001-01-01T00:00:00Z",  
      "modifiedOn": "0001-01-01T00:00:00Z",  
      "createdBy": "admin",  
      "modifiedBy": "admin",  
      "custom": {}  
    }  
  },  
  ],  
  "metaData": {  
    "createdOn": "0001-01-01T00:00:00Z",  
    "modifiedOn": "0001-01-01T00:00:00Z",  
    "createdBy": "admin",  
    "modifiedBy": "admin",  
    "custom": {}  
  }  
}  
]  
}
```

**Error****HTTP Status Code**

400 BadRequest

## SetModelVersionCommit

Set the commit of a Model Version.

### Request

#### HTTP Method

POST

#### URI

/modelscape/modelversion/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Model Version.	"guid"
commit	The immutable commit of this Model Version.	"sha2"

#### Example

```
{
  "mwtype": "modelversion/SetModelVersionCommit",
  "guid": "guid",
  "commit": "sha2"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Update was successful.

**Example**

```
{  
  "mwtype": "modelversion/SetModelVersionCommitResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## UpdateModelVersion

Updates a Model Version (partial update allowed).

### Request

#### HTTP Method

POST

#### URI

/modelscape/modelversion/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the LifeCycle.	"guid"
inputs	The inputs of this Model Version.	[ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]
parameters	The parameters of this Model Version.	[ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]



Name	Description	Value-Type
outputs	The outputs of this Model Version.	[ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]
lifecycleState	The state this Model Version is in.	"guid"
metaData	MetaData for the LifeCycle.	{ "custom": {} }

**Example**

```
{
  "mwtype": "modelversion/UpdateModelVersion",
  "guid": "guid",
  "inputs": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "parameters": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "outputs": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

```
    }  
  ],  
  "lifecycleState": "guid",  
  "metaData": {  
    "custom": {}  
  }  
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Update was successful.

#### Example

```
{  
  "mwtype": "modelversion/UpdateModelVersionResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest



# Model Version Reviews API

---

## CloseReview

Closes a Model Version Review.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Model Version Review.	"guid"
finalCommit	The final commit of the Model Version Review.	"sha2"
reviewMetaData	The details of the outcome of the Model Version Review.	{}

#### Example

```
{
  "mwtype": "review/CloseReview",
  "guid": "guid",
  "finalCommit": "sha2",
  "reviewMetaData": {}
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Model Version Review was successful closed.

**Example**

```
{  
  "mwtype": "review/CloseReviewResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## CreateReview

Create a new Model Version Review.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
modelVersion	The Model Version for which to open the Review.	{ "guid": "guid" }
requestMetaData	The details of the Model Version Review request.	{}
metaData	MetaData for the Model Version Review.	{ "custom": {} }

#### Example

```
{
  "mwtype": "review/CreateReview",
  "modelVersion": {
    "guid": "guid"
  },
  "requestMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK



**Body**

Returns the GUID of the newly created Model Version Review.

Name	Description	Value-Type
guid	The unique GUID of the newly created Model Version Review.	"guid"

**Example**

```
{
  "mwtype": "review/CreateReviewResponse",
  "guid": "guid"
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetAllReviews

Get all available Model Version Reviews.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{
  "mwtype": "review/GetAllReviews"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Version Reviews.

Name	Description	Value-Type
reviews	An array of Model Version Reviews.	[ { "guid": "guid", "modelVersion": { "guid": "guid" }, "state": "opened", "branch": "main", "finalCommit": "sha2", "requestMetaData": {}, "reviewMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

**Example**

```
{
  "mwtype": "review/ReviewsResponse",
  "reviews": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "state": "opened",
      "branch": "main",
      "finalCommit": "sha2",
      "requestMetaData": {},
      "reviewMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetReviewByGUID

Get a Model Version Review by GUID.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Model Version Review.	"guid"

#### Example

```
{
  "mwtype": "review/GetReviewByGUID",
  "guid": "guid"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Model Version Review.

Name	Description	Value-Type
review	A Model Version Review.	<pre>{ "guid": "guid",   "modelVersion": { "guid": "guid" }, "state": "opened", "branch": "main", "finalCommit": "sha2", "requestMetaData": {}, "reviewMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }</pre>

**Example**

```
{
  "mwtype": "review/ReviewResponse",
  "review": {
    "guid": "guid",
    "modelVersion": {
      "guid": "guid"
    },
    "state": "opened",
    "branch": "main",
    "finalCommit": "sha2",
    "requestMetaData": {},
    "reviewMetaData": {},
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetReviewByModelVersion

Get a Model Version Review by Model Version.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
modelVersion	The Model Version for which to find the Review.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "review/GetReviewByModelVersion",
  "modelVersion": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Model Version Review.

Name	Description	Value-Type
review	A Model Version Review.	<pre>{ "guid": "guid",   "modelVersion": { "guid": "guid" }, "state": "opened", "branch": "main", "finalCommit": "sha2", "requestMetaData": {}, "reviewMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }</pre>

**Example**

```
{
  "mwtype": "review/ReviewResponse",
  "review": {
    "guid": "guid",
    "modelVersion": {
      "guid": "guid"
    },
    "state": "opened",
    "branch": "main",
    "finalCommit": "sha2",
    "requestMetaData": {},
    "reviewMetaData": {},
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetReviewsByModel

Get Model Version Reviews by Model.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
model	The Model Version for which to find the Review.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "review/GetReviewsByModel",
  "model": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Version Reviews.



Name	Description	Value-Type
reviews	An array of Model Version Reviews.	[ { "guid": "guid", "modelVersion": { "guid": "guid" }, "state": "opened", "branch": "main", "finalCommit": "sha2", "requestMetaData": {}, "reviewMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

**Example**

```
{
  "mwtype": "review/ReviewsResponse",
  "reviews": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "state": "opened",
      "branch": "main",
      "finalCommit": "sha2",
      "requestMetaData": {},
      "reviewMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetReviewsByState

Get Model Version Reviews by state.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
state	The state of the Model Version Reviews.	"opened"

#### Example

```
{
  "mwtype": "review/GetReviewsByState",
  "state": "opened"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Version Reviews.

Name	Description	Value-Type
reviews	An array of Model Version Reviews.	[ { "guid": "guid", "modelVersion": { "guid": "guid" }, "state": "opened", "branch": "main", "finalCommit": "sha2", "requestMetaData": {}, "reviewMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

**Example**

```
{
  "mwtype": "review/ReviewsResponse",
  "reviews": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "state": "opened",
      "branch": "main",
      "finalCommit": "sha2",
      "requestMetaData": {},
      "reviewMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## UpdateReview

Updates a Model Version Review.

### Request

#### HTTP Method

POST

#### URI

/modelscape/review/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Model Version Review.	"guid"
metaData	MetaData for the Model.	{ "custom": {} }

#### Example

```
{
  "mwtype": "review/UpdateReview",
  "guid": "guid",
  "metaData": {
    "custom": {}
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Update was successful.

**Example**

```
{  
  "mwtype": "review/UpdateReviewResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest



## References API

---

## CreateReference

Create a new Reference.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
referenceType	The Reference Type of this new Reference.	{ "guid": "guid" }
attributes	The attributes of the Reference.	{ "name": "any" }
metaData	MetaData for the Reference.	{ "custom": {} }

#### Example

```
{
  "mwtype": "reference/CreateReference",
  "referenceType": {
    "guid": "guid"
  },
  "attributes": {
    "name": "any"
  },
  "metaData": {
    "custom": {}
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK



**Body**

Returns the GUID of the newly created Reference.

Name	Description	Value-Type
guid	The unique GUID of the newly created Reference.	"guid"

**Example**

```
{
  "mwtpe": "reference/CreateReferenceResponse",
  "guid": "guid"
}
```

**Error****HTTP Status Code**

400 BadRequest

## CreateReferenceType

Create a new Reference Type.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	The name of the new Reference Type.	"name"
attributes	The attributes of the Reference Type.	[ { "name": "name", "type": "double" } ]
metaData	MetaData for the Reference Type.	{ "custom": {} }

#### Example

```
{
  "mwtype": "reference/CreateReferenceType",
  "name": "name",
  "attributes": [
    {
      "name": "name",
      "type": "double"
    }
  ],
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Reference Type.

Name	Description	Value-Type
guid	The unique GUID of the newly created Reference Type.	"guid"

### Example

```
{
  "mwtype": "reference/CreateReferenceTypeResponse",
  "guid": "guid"
}
```

### Error

#### HTTP Status Code

400 BadRequest

## GetAllReferenceTypes

Get all available Reference Types.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{  
  "mwtype": "reference/GetAllReferenceTypes"  
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Reference Types.

Name	Description	Value-Type
referenceTypes	An array of Reference Types.	[ { "guid": "guid", "name": "name", "attributes": [ { "name": "name", "type": "double" } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

**Example**

```
{
  "mwtype": "reference/ReferenceTypesResponse",
  "referenceTypes": [
    {
      "guid": "guid",
      "name": "name",
      "attributes": [
        {
          "name": "name",
          "type": "double"
        }
      ],
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetAllReferences

Get all available References.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{  
  "mwtype": "reference/GetAllReferences"  
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of References.

Name	Description	Value-Type
references	An array of References.	<pre>[ { "guid": "guid", "referenceType": { "guid": "guid" }, "attributes": { "name": "any" }, "models": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "modelVersions": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "reviews": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] ]</pre>

**Example**

```
{
  "mwtype": "reference/ReferencesResponse",
  "references": [
    {
      "guid": "guid",
      "referenceType": {
        "guid": "guid"
      },
      "attributes": {
        "name": "any"
      },
      "models": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "modelVersions": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "reviews": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```



```
} 1
```

**Error**

**HTTP Status Code**

400 BadRequest

## GetReferenceByGUID

Get a Reference by GUID.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Reference.	"guid"

#### Example

```
{
  "mwtype": "reference/GetReferenceByGUID",
  "guid": "guid"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Reference.

Name	Description	Value-Type
reference	A Reference.	<pre> { "guid": "guid",   "referenceType": { "guid": "guid" }, "attributes": { "name": "any" }, "models": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "modelVersions": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ], "reviews": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } } </pre>

**Example**

```
{
  "mwtype": "reference/ReferenceResponse",
  "reference": {
    "guid": "guid",
    "referenceType": {
      "guid": "guid"
    },
    "attributes": {
      "name": "any"
    },
    "models": [
      {
        "guid": "guid",
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ],
    "modelVersions": [
      {
        "guid": "guid",
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ],
    "reviews": [
      {
        "guid": "guid",
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ],
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error**

**HTTP Status Code**

400 BadRequest

## GetReferenceTypeByGUID

Get a Reference Type by GUID.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Reference Type.	"guid"

#### Example

```
{
  "mwtype": "reference/GetReferenceTypeByGUID",
  "guid": "guid"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Reference Type.

Name	Description	Value-Type
referenceType	A Reference Type.	{ "guid": "guid", "name": "name", "attributes": [ { "name": "name", "type": "double" } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }

**Example**

```
{
  "mwtype": "reference/ReferenceTypeResponse",
  "referenceType": {
    "guid": "guid",
    "name": "name",
    "attributes": [
      {
        "name": "name",
        "type": "double"
      }
    ],
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetReferenceTypeByName

Get a Reference Type by name.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	The name of the Reference Type.	"name"

#### Example

```
{
  "mwtype": "reference/GetReferenceTypeByName",
  "name": "name"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Reference Type.



Name	Description	Value-Type
referenceType	A Reference Type.	{ "guid": "guid", "name": "name", "attributes": [ { "name": "name", "type": "double" } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }

**Example**

```
{
  "mwtype": "reference/ReferenceTypeResponse",
  "referenceType": {
    "guid": "guid",
    "name": "name",
    "attributes": [
      {
        "name": "name",
        "type": "double"
      }
    ],
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetReferencesByModel

Get References of a given Model.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
model	The Model for which to get References.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/GetReferencesByModel",
  "model": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of References.

Name	Description	Value-Type
references	An array of References.	<pre>[ { "guid": "guid", "referenceType": { "guid": "guid" }, "attributes": { "name": "any" }, "models": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "modelVersions": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "reviews": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]</pre>

**Example**

```
{
  "mwtype": "reference/ReferencesResponse",
  "references": [
    {
      "guid": "guid",
      "referenceType": {
        "guid": "guid"
      },
      "attributes": {
        "name": "any"
      },
      "models": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "modelVersions": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "reviews": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

```
} 1
```

**Error**

**HTTP Status Code**

400 BadRequest

## GetReferencesByModelVersion

Get References of a given Model Version.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
modelVersion	The Model Version for which to get References.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/GetReferencesByModelVersion",
  "modelVersion": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of References.

Name	Description	Value-Type
references	An array of References.	<pre>[ { "guid": "guid", "referenceType": { "guid": "guid" }, "attributes": { "name": "any" }, "models": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "modelVersions": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "reviews": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]</pre>

**Example**

```
{
  "mwtype": "reference/ReferencesResponse",
  "references": [
    {
      "guid": "guid",
      "referenceType": {
        "guid": "guid"
      },
      "attributes": {
        "name": "any"
      },
      "models": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "modelVersions": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "reviews": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```



```
} 1
```

**Error**

**HTTP Status Code**

400 BadRequest

## GetReferencesByModelVersionReview

Get References of a given Model Version Review.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
review	The Model Version Review for which to get References.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/GetReferencesByModelVersionReview",
  "review": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of References.

Name	Description	Value-Type
references	An array of References.	<pre>[ { "guid": "guid", "referenceType": { "guid": "guid" }, "attributes": { "name": "any" }, "models": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "modelVersions": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "reviews": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] ]</pre>

**Example**

```
{
  "mwtype": "reference/ReferencesResponse",
  "references": [
    {
      "guid": "guid",
      "referenceType": {
        "guid": "guid"
      },
      "attributes": {
        "name": "any"
      },
      "models": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "modelVersions": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "reviews": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

```
} 1
```

**Error**

**HTTP Status Code**

400 BadRequest

## GetReferencesByReferenceType

Get References of a given Reference Type.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
referenceType	The Reference Type for which to get References.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/GetReferencesByReferenceType",
  "referenceType": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of References.

Name	Description	Value-Type
references	An array of References.	<pre>[ { "guid": "guid", "referenceType": { "guid": "guid" }, "attributes": { "name": "any" }, "models": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "modelVersions": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "reviews": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]</pre>

**Example**

```

{
  "mwtype": "reference/ReferencesResponse",
  "references": [
    {
      "guid": "guid",
      "referenceType": {
        "guid": "guid"
      },
      "attributes": {
        "name": "any"
      },
      "models": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "modelVersions": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "reviews": [
        {
          "guid": "guid",
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ],
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}

```



```
} 1
```

**Error**

**HTTP Status Code**

400 BadRequest

# LinkReferenceToModel

Link a Reference to a Model.

## Request

### HTTP Method

POST

### URI

/modelscape/reference/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
model	The Model to which to link the Reference.	{ "guid": "guid" }
reference	The Reference to link to the Model.	{ "guid": "guid" }
metaData	MetaData for the link.	{ "custom": null }

### Example

```
{
  "mwtype": "reference/LinkReferenceToModel",
  "model": {
    "guid": "guid"
  },
  "reference": {
    "guid": "guid"
  },
  "metaData": {
    "custom": null
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

**Body**

Link was successful.

**Example**

```
{  
  "mwtype": "reference/LinkReferenceResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## LinkReferenceToModelVersion

Link a Reference to a Model Version.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
modelVersion	The Model Version to which to link the Reference.	{ "guid": "guid" }
reference	The Reference to link to the Model Version.	{ "guid": "guid" }
metaData	MetaData for the link.	{ "custom": null }

#### Example

```
{
  "mwtype": "reference/LinkReferenceToModelVersion",
  "modelVersion": {
    "guid": "guid"
  },
  "reference": {
    "guid": "guid"
  },
  "metaData": {
    "custom": null
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Link was successful.

#### Example

```
{  
  "mwtype": "reference/LinkReferenceResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest

## LinkReferenceToModelVersionReview

Link a Reference to a Model Version Review.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
review	The Model Version Review to which to link the Reference.	{ "guid": "guid" }
reference	The Reference to link to the Model Version.	{ "guid": "guid" }
metaData	MetaData for the link.	{ "custom": null }

#### Example

```
{
  "mwtype": "reference/LinkReferenceToModelVersionReview",
  "review": {
    "guid": "guid"
  },
  "reference": {
    "guid": "guid"
  },
  "metaData": {
    "custom": null
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Link was successful.

#### Example

```
{  
  "mwtype": "reference/LinkReferenceResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest

## UnlinkReferenceFromModel

Unlink a Reference from a Model.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
model	The Model to which to unlink the Reference.	{ "guid": "guid" }
reference	The Reference to unlink to the Model.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/UnlinkReferenceFromModel",
  "model": {
    "guid": "guid"
  },
  "reference": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Unlink was successful.



**Example**

```
{  
  "mwtype": "reference/UnlinkReferenceResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## UnlinkReferenceFromModelVersion

Unlink a Reference from a Model Version.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
modelVersion	The Model Version to which to unlink the Reference.	{ "guid": "guid" }
reference	The Reference to unlink to the Model Version.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/UnlinkReferenceFromModelVersion",
  "modelVersion": {
    "guid": "guid"
  },
  "reference": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Unlink was successful.

**Example**

```
{  
  "mwtype": "reference/UnlinkReferenceResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## UnlinkReferenceFromModelVersionReview

Unlink a Reference from a Model Version Review.

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
review	The Model Version Review to which to unlink the Reference.	{ "guid": "guid" }
reference	The Reference to unlink to the Model Version.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "reference/UnlinkReferenceFromModelVersionReview",
  "review": {
    "guid": "guid"
  },
  "reference": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Unlink was successful.

**Example**

```
{  
  "mwtype": "reference/UnlinkReferenceResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## UpdateReference

Updates a Reference (partial update allowed).

### Request

#### HTTP Method

POST

#### URI

/modelscape/reference/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Reference to update.	"guid"
attributes	The attributes of the Reference.	{ "name": "any" }
metaData	MetaData for the Reference.	{ "custom": {} }

#### Example

```
{
  "mwtype": "reference/UpdateReference",
  "guid": "guid",
  "attributes": {
    "name": "any"
  },
  "metaData": {
    "custom": {}
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Update was successful.

**Example**

```
{  
  "mwtype": "reference/UpdateReferenceResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest





# Dependencies API

---

# CreateDependenciesDiagram

Create a new Dependencies Diagram.

## Request

### HTTP Method

POST

### URI

/modelscape/dependency/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
name	The name of the Dependency Diagram.	"name"
diagram	The Web Diagram Framework JSON representation of the Dependency Diagram.	"{}"
metaData	MetaData for the Dependency.	{ "custom": {} }

### Example

```
{
  "mwtype": "dependency/CreateDependenciesDiagram",
  "name": "name",
  "diagram": "{}",
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Dependencies Diagram.

Name	Description	Value-Type
guid	The unique GUID of the newly created Dependency Diagram.	"guid"

**Example**

```
{
  "mwtype": "dependency/CreateDependenciesDiagramResponse",
  "guid": "guid"
}
```

**Error****HTTP Status Code**

400 BadRequest

# CreateDependency

Create a new Dependency.

## Request

### HTTP Method

POST

### URI

/modelscape/dependency/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
upstream	The upstream DataSet of this dependency.	{ "guid": "guid" }
downstream	The downstream DataSet of this dependency.	{ "guid": "guid" }
metaData	MetaData for the Dependency.	{ "custom": {} }

### Example

```
{
  "mwtype": "dependency/CreateDependency",
  "upstream": {
    "guid": "guid"
  },
  "downstream": {
    "guid": "guid"
  },
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Creation was successful.

#### Example

```
{  
  "mwtype": "dependency/CreateDependencyResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest

## DeleteDependency

Delete a given dependency.

### Request

#### HTTP Method

POST

#### URI

/modelscape/dependency/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
upstream	The upstream DataSet of this dependency.	{ "guid": "guid" }
downstream	The downstream DataSet of this dependency.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "dependency/DeleteDependency",
  "upstream": {
    "guid": "guid"
  },
  "downstream": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Deletion was successful.

**Example**

```
{  
  "mwtype": "dependency/DeleteDependencyResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetAllDependenciesDiagrams

Get all available Dependencies Diagrams.

### Request

#### HTTP Method

POST

#### URI

/modelscape/dependency/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{
  "mwtype": "dependency/GetAllDependenciesDiagrams"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Dependencies Diagrams.

Name	Description	Value-Type
dependenciesDiagrams	An array of Dependency Diagrams.	[ { "guid": "guid", "name": "name", "diagram": "{}", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]



**Example**

```
{
  "mwtype": "dependency/DependenciesDiagramsResponse",
  "dependenciesDiagrams": [
    {
      "guid": "guid",
      "name": "name",
      "diagram": "{}",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetDependenciesDiagramByGUID

Get a Dependencies Diagram by GUID.

### Request

#### HTTP Method

POST

#### URI

/modelscape/dependency/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Dependency Diagram.	"guid"

#### Example

```
{
  "mwtype": "dependency/GetDependenciesDiagramByGUID",
  "guid": "guid"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Dependencies Diagram.

Name	Description	Value-Type
dependenciesDiagram	A Dependency Diagram.	{ "guid": "guid", "name": "name", "diagram": "{}", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }

**Example**

```
{
  "mwtype": "dependency/DependenciesDiagramResponse",
  "dependenciesDiagram": {
    "guid": "guid",
    "name": "name",
    "diagram": "{}",
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    }
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetDependenciesDiagramsByName

Get Dependencies Diagrams by name.

### Request

#### HTTP Method

POST

#### URI

/modelscape/dependency/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Dependency Diagram name.	"name"

#### Example

```
{
  "mwtype": "dependency/GetDependenciesDiagramsByName",
  "name": "name"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Dependencies Diagrams.

Name	Description	Value-Type
dependenciesDiagrams	An array of Dependency Diagrams.	[ { "guid": "guid", "name": "name", "diagram": "{}", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

**Example**

```
{
  "mwtype": "dependency/DependenciesDiagramsResponse",
  "dependenciesDiagrams": [
    {
      "guid": "guid",
      "name": "name",
      "diagram": "{}",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# UpdateDependenciesDiagram

Update a Dependencies Diagram (partial update allowed).

## Request

### HTTP Method

POST

### URI

/modelscape/dependency/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
guid	The GUID of the Dependency Diagram.	"guid"
diagram	The Web Diagram Framework JSON representation of the Dependency Diagram.	"{}"
metaData	MetaData for the Dependency Diagram.	{ "custom": {} }

### Example

```
{
  "mwtype": "dependency/UpdateDependenciesDiagram",
  "guid": "guid",
  "diagram": "{}",
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

### HTTP Status Code

200 OK

**Body**

Updates were successful.

**Example**

```
{  
  "mwtype": "dependency/UpdateDependenciesDiagramResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## UpdateDependency

Update a given Dependency.

### Request

#### HTTP Method

POST

#### URI

/modelscape/dependency/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
upstream	The upstream DataSet of this dependency.	{ "guid": "guid" }
downstream	The downstream DataSet of this dependency.	{ "guid": "guid" }
metaData	MetaData for the Dependency.	{ "custom": {} }

#### Example

```
{
  "mwtype": "dependency/UpdateDependency",
  "upstream": {
    "guid": "guid"
  },
  "downstream": {
    "guid": "guid"
  },
  "metaData": {
    "custom": {}
  }
}
```



## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Update was successful.

#### Example

```
{  
  "mwtype": "dependency/UpdateDependencyResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest



# Builds API

---

# CreateBuild

Create a new Model Version Build.

## Request

### HTTP Method

POST

### URI

/modelscape/build/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
name	The name of the Model Version Build.	"name"
modelVersion	The Model Version for which this is a build of.	{ "guid": "guid" }
type	The type of the Model Version Build.	"docker_image"
buildMetaData	The details of the Model Version Build.	{}
metaData	MetaData for the Model Version Build.	{ "custom": {} }

### Example

```
{
  "mwtype": "build/CreateBuild",
  "name": "name",
  "modelVersion": {
    "guid": "guid"
  },
  "type": "docker_image",
  "buildMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Model Version Build.

Name	Description	Value-Type
guid	The unique GUID of the newly created Model Version Build.	"guid"

### Example

```
{
  "mwtype": "build/CreateBuildResponse",
  "guid": "guid"
}
```

### Error

#### HTTP Status Code

400 BadRequest

## GetAllBuilds

Get all available Model Version Builds.

### Request

#### HTTP Method

POST

#### URI

/modelscape/build/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{  
  "mwtype": "build/GetAllBuilds"  
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Version Builds.

Name	Description	Value-Type
builds	An array of Model Version Builds.	<pre>[ { "guid": "guid", "modelVersion": { "guid": "guid" }, "name": "name", "type": "docker_image", "buildMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "deployedOn": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>

**Example**

```
{
  "mwtype": "build/BuildsResponse",
  "builds": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "name": "name",
      "type": "docker_image",
      "buildMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "deployedOn": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest



# GetBuildByGUID

Get a Model Version Build by GUID.

## Request

### HTTP Method

POST

### URI

/modelscape/build/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
guid	The GUID of the Model Version Build.	"docker_image"

### Example

```
{
  "mwtype": "build/GetBuildByGUID",
  "guid": "docker_image"
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns a Model Version Build.

Name	Description	Value-Type
build	A Model Version Build.	<pre>{ "guid": "guid",   "modelVersion": { "guid":   "guid" }, "name": "name",   "type": "docker_image",   "buildMetaData": {},   "metaData": { "createdOn":   "0001-01-01T00:00:00Z",   "modifiedOn":   "0001-01-01T00:00:00Z",   "createdBy": "admin",   "modifiedBy": "admin",   "custom": {} }, "deployedOn":   [ { "guid": "guid",     "deploymentMetaData": {},     "metaData": { "createdOn":     "0001-01-01T00:00:00Z",     "modifiedOn":     "0001-01-01T00:00:00Z",     "createdBy": "admin",     "modifiedBy": "admin",     "custom": {} } } ] }</pre>

**Example**

```
{
  "mwtype": "build/BuildResponse",
  "build": {
    "guid": "guid",
    "modelVersion": {
      "guid": "guid"
    },
    "name": "name",
    "type": "docker_image",
    "buildMetaData": {},
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    },
    "deployedOn": [
      {
        "guid": "guid",
        "deploymentMetaData": {},
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ]
  }
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetBuildsByModel

Get Model Version Builds by Model.

### Request

#### HTTP Method

POST

#### URI

/modelscape/build/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
model	The Model for which to find the Builds.	{ "guid": "guid" }

#### Example

```
{
  "mwtpe": "build/GetBuildsByModel",
  "model": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Version Builds.

Name	Description	Value-Type
builds	An array of Model Version Builds.	<pre>[ { "guid": "guid",   "modelVersion": { "guid": "guid" }, "name": "name", "type": "docker_image", "buildMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "deployedOn": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>

**Example**

```
{
  "mwtype": "build/BuildsResponse",
  "builds": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "name": "name",
      "type": "docker_image",
      "buildMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "deployedOn": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# GetBuildsByModelVersion

Get Model Version Builds by Model Version.

## Request

### HTTP Method

POST

### URI

/modelscape/build/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
modelVersion	The Model Version for which to find the Builds.	{ "guid": "guid" }

### Example

```
{
  "mwtype": "build/GetBuildsByModelVersion",
  "modelVersion": {
    "guid": "guid"
  }
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns an array of Model Version Builds.

Name	Description	Value-Type
builds	An array of Model Version Builds.	<pre>[ { "guid": "guid",   "modelVersion": { "guid": "guid" }, "name": "name", "type": "docker_image", "buildMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "deployedOn": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>



**Example**

```
{
  "mwtype": "build/BuildsResponse",
  "builds": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "name": "name",
      "type": "docker_image",
      "buildMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "deployedOn": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetBuildsByName

Get Model Version Builds by name.

### Request

#### HTTP Method

POST

#### URI

/modelscape/build/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Model Version Builds name.	"name"

#### Example

```
{
  "mwtype": "build/GetBuildsByName",
  "name": "name"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Model Version Builds.

Name	Description	Value-Type
builds	An array of Model Version Builds.	[ { "guid": "guid", "modelVersion": { "guid": "guid" }, "name": "name", "type": "docker_image", "buildMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "deployedOn": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]

**Example**

```
{
  "mwtype": "build/BuildsResponse",
  "builds": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "name": "name",
      "type": "docker_image",
      "buildMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "deployedOn": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# GetBuildsByType

Get Model Version Builds by type.

## Request

### HTTP Method

POST

### URI

/modelscape/build/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
type	The type of the Model Version Builds.	"docker_image"

### Example

```
{
  "mwtype": "build/GetBuildsByType",
  "type": "docker_image"
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns an array of Model Version Builds.

Name	Description	Value-Type
builds	An array of Model Version Builds.	<pre>[ { "guid": "guid",   "modelVersion": { "guid": "guid" }, "name": "name", "type": "docker_image", "buildMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "deployedOn": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>

**Example**

```
{
  "mwtype": "build/BuildsResponse",
  "builds": [
    {
      "guid": "guid",
      "modelVersion": {
        "guid": "guid"
      },
      "name": "name",
      "type": "docker_image",
      "buildMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "deployedOn": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# UpdateBuild

Update a Model Version Build (partial update allowed).

## Request

### HTTP Method

POST

### URI

/modelscape/build/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
guid	The GUID of the Model Version Build.	"guid"
name	The name of the Model Version Build.	"name"
buildMetaData	The details of the Model Version Build.	{}
metaData	MetaData for the Model Version Build.	{ "custom": {} }

### Example

```
{
  "mwtype": "build/UpdateBuild",
  "guid": "guid",
  "name": "name",
  "buildMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK



**Body**

Updates were successful.

**Example**

```
{  
  "mwtype": "build/UpdateBuildResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest



# Deployments API

---

# CreateDeployment

Deploy a Model Version Build to a Deployment Environment.

## Request

### HTTP Method

POST

### URI

/modelscape/deployment/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
build	The Model Version Build to deploy.	{ "guid": "guid" }
deploymentEnvironment	The Deployment Environment on which to deploy.	{ "guid": "guid" }
deploymentMetadata	The details of the Deployment.	{}
metaData	MetaData for the Deployment.	{ "custom": {} }

### Example

```
{
  "mwtype": "deployment/CreateDeployment",
  "build": {
    "guid": "guid"
  },
  "deploymentEnvironment": {
    "guid": "guid"
  },
  "deploymentMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Deployment was successful.

#### Example

```
{  
  "mwtype": "deployment/CreateDeploymentResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest

## CreateDeploymentEnvironment

Create a new Deployment Environment.

### Request

#### HTTP Method

POST

#### URI

/modelscape/deployment/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
name	The name of the Deployment Environment.	"name"
type	The type of the Deployment Environment.	"in_kubernetes_cluster"
deploymentEnvironmentMetaData	The details of the Deployment Environment.	{}
metaData	MetaData for the Deployment Environment.	{ "custom": {} }

#### Example

```
{
  "mwtype": "deployment/CreateDeploymentEnvironment",
  "name": "name",
  "type": "in_kubernetes_cluster",
  "deploymentEnvironmentMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Returns the GUID of the newly created Deployment Environment.

Name	Description	Value-Type
guid	The unique GUID of the newly created Deployment Environment.	"guid"

### Example

```
{
  "mwtype": "deployment/CreateDeploymentEnvironmentResponse",
  "guid": "guid"
}
```

### Error

#### HTTP Status Code

400 BadRequest

# DeleteDeployment

Undeploy a Model Version Build from a Deployment Environment.

## Request

### HTTP Method

POST

### URI

/modelscape/deployment/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
build	The Model Version Build to undeploy.	{ "guid": "guid" }
deploymentEnvironment	The Deployment Environment from which to undeploy.	{ "guid": "guid" }

### Example

```
{
  "mwtype": "deployment/DeleteDeployment",
  "build": {
    "guid": "guid"
  },
  "deploymentEnvironment": {
    "guid": "guid"
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Undeployment was successful.



**Example**

```
{  
  "mwtype": "deployment/DeleteDeploymentResponse"  
}
```

**Error****HTTP Status Code**

400 BadRequest

## EvaluateDeployment

Evaluate a Model Version Build in a Deployment Environment.

### Request

#### HTTP Method

POST

#### URI

/modelscape/deployment/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
build	The Model Version Build to evaluate.	{ "guid": "guid" }
deploymentEnvironment	The Deployment Environment in which to evaluate.	{ "guid": "guid" }
inputs	The inputs for which to evaluate.	{ "columns": [ "name" ], "index": [ "name" ], "data": [ [ "any" ] ] }
parameters	The parameters for which to evaluate.	{ "name": "any" }
metaData	MetaData for the Deployment Environment.	{ "custom": {} }

**Example**

```

{
  "mwtype": "deployment/EvaluateDeployment",
  "build": {
    "guid": "guid"
  },
  "deploymentEnvironment": {
    "guid": "guid"
  },
  "inputs": {
    "columns": [
      "name"
    ],
    "index": [
      "name"
    ],
    "data": [
      [
        "any"
      ]
    ]
  },
  "parameters": {
    "name": "any"
  },
  "metaData": {
    "custom": {}
  }
}

```

**Response****Success****HTTP Status Code**

200 OK

**Body**

Evaluation response.

Name	Description	Value-Type
outputs	The output of the evaluation.	{ "columns": [ "name" ], "index": [ "name" ], "data": [ [ "any" ] ] }
diagnostics	The row level diagnostics of the evaluation.	{ "name": {} }
batchDiagnostic	The batch level diagnostic of the evaluation.	{}

**Example**

```
{
  "mwtype": "deployment/EvaluateDeploymentResponse",
  "outputs": {
    "columns": [
      "name"
    ],
    "index": [
      "name"
    ],
    "data": [
      [
        "any"
      ]
    ]
  },
  "diagnostics": {
    "name": {}
  },
  "batchDiagnostic": {}
}
```

**Error**

**HTTP Status Code**

400 BadRequest

# GetAllDeploymentEnvironments

Get all available Deployment Environments.

## Request

### HTTP Method

POST

### URI

/modelscape/deployment/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

#### Example

```
{
  "mwtype": "deployment/GetAllDeploymentEnvironments"
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns an array of Deployment Environments.

Name	Description	Value-Type
deploymentEnvironments	An array of Deployment Environments.	<pre>[ { "guid": "guid", "name": "name", "type": "in_kubernetes_cluster", "deploymentEnvironmentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "builds": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>

**Example**

```

{
  "mwtype": "deployment/DeploymentEnvironmentsResponse",
  "deploymentEnvironments": [
    {
      "guid": "guid",
      "name": "name",
      "type": "in_kubernetes_cluster",
      "deploymentEnvironmentMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "builds": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}

```

**Error****HTTP Status Code**

400 BadRequest

## GetAllDeploymentEvaluations

Get all evaluations against a Deployment.

### Request

#### HTTP Method

POST

#### URI

/modelscape/deployment/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
build	The Model Version Build to evaluate.	{ "guid": "guid" }
deploymentEnvironment	The Deployment Environment in which to evaluate.	{ "guid": "guid" }

#### Example

```
{
  "mwtype": "deployment/GetAllDeploymentEvaluations",
  "build": {
    "guid": "guid"
  },
  "deploymentEnvironment": {
    "guid": "guid"
  }
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of evaluation batches.



Name	Description	Value-Type
batches	The batches that were evaluated against this deployment.	[ { "guid": "guid", "build": { "guid": "guid" }, "deploymentEnvironment": { "guid": "guid" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ]

**Example**

```
{
  "mwtype": "deployment/GetAllDeploymentEvaluationsResponse",
  "batches": [
    {
      "guid": "guid",
      "build": {
        "guid": "guid"
      },
      "deploymentEnvironment": {
        "guid": "guid"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetAllDeploymentsWithDetails

Get all Deployments with details.

### Request

#### HTTP Method

POST

#### URI

/modelscape/deployment/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

#### Example

```
{
  "mwtype": "deployment/GetAllDeploymentsWithDetails"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

An array of Deployments with details.

Name	Description	Value-Type
deploymentsWithDetails	An array of deployments.	<pre>[ { "deploymentEnvironment": { "guid": "guid", "name": "name", "type": "in_kubernetes_cluster", "deploymentEnvironmentMetaData": { }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": { } }, "builds": [ { "guid": "guid", "deploymentMetaData": { }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": { } } } ] }, "build": { "guid": "guid", "modelVersion": { "guid": "guid" }, "name": "name", "type": "docker_image", "buildMetaData": { }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": { } }, "deployedOn": [ { "guid": "guid", "deploymentMetaData": { }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": { } } } ] }, "model": { "guid": "guid", "lifecycle": { "guid": "guid" }, "name": "name", "description": "description", "repository": "https://git/repo", "metaData": { "createdOn": "0001-01-01T00:00:00Z",</pre>

Name	Description	Value-Type
		<pre> "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "downstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "upstreams": [ { "guid": "guid", "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] }, "modelVersion": { "guid": "guid", "model": { "guid": "guid" }, "version": "1.0.0", "commit": "sha2", "lifecycleState": "guid", "inputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] }, "parameters": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", </pre>

Name	Description	Value-Type
		<pre> "custom": {} } } ], "outputs": [ { "name": "name", "description": "description", "unit": "unit", "sizes": [], "dataType": { "name": "double" }, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ], "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } }, "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] </pre>

**Example**

```

{
  "mwtype": "deployment/DeploymentsWithDetailsResponse",
  "deploymentsWithDetails": [
    {
      "deploymentEnvironment": {
        "guid": "guid",
        "name": "name",
        "type": "in_kubernetes_cluster",
        "deploymentEnvironmentMetaData": {},
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      },
      "builds": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    },
    {
      "build": {
        "guid": "guid",
        "modelVersion": {
          "guid": "guid"
        }
      },
      "name": "name",
      "type": "docker_image",
      "buildMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    },
    {
      "deployedOn": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}

```

```

    }
  }
]
},
"model": {
  "guid": "guid",
  "lifecycle": {
    "guid": "guid"
  },
  "name": "name",
  "description": "description",
  "repository": "https://git/repo",
  "metaData": {
    "createdOn": "0001-01-01T00:00:00Z",
    "modifiedOn": "0001-01-01T00:00:00Z",
    "createdBy": "admin",
    "modifiedBy": "admin",
    "custom": {}
  },
  "downstreams": [
    {
      "guid": "guid",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "upstreams": [
    {
      "guid": "guid",
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ]
},
"modelVersion": {
  "guid": "guid",
  "model": {
    "guid": "guid"
  },
  "version": "1.0.0",
  "commit": "sha2",
  "lifecycleState": "guid",
  "inputs": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],

```

```
        "dataType": {
          "name": "double"
        },
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "parameters": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "outputs": [
    {
      "name": "name",
      "description": "description",
      "unit": "unit",
      "sizes": [],
      "dataType": {
        "name": "double"
      },
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      }
    }
  ],
  "metaData": {
    "createdOn": "0001-01-01T00:00:00Z",
    "modifiedOn": "0001-01-01T00:00:00Z",
    "createdBy": "admin",
    "modifiedBy": "admin",
    "custom": {}
  },
  "deploymentMetaData": {},
  "metaData": {
```



```
    "createdOn": "0001-01-01T00:00:00Z",  
    "modifiedOn": "0001-01-01T00:00:00Z",  
    "createdBy": "admin",  
    "modifiedBy": "admin",  
    "custom": {}  
  }  
}  
]  
}
```

**Error****HTTP Status Code**

400 BadRequest

## GetDeploymentEnvironmentByGUID

Get a Deployment Environment by GUID.

### Request

#### HTTP Method

POST

#### URI

/modelscape/deployment/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
guid	The GUID of the Deployment Environment.	"guid"

#### Example

```
{
  "mwtype": "deployment/GetDeploymentEnvironmentByGUID",
  "guid": "guid"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns a Deployment Environment.

Name	Description	Value-Type
deploymentEnvironment	A Deployment Environment.	{ "guid": "guid", "name": "name", "type": "in_kubernetes_cluster", "deploymentEnvironmentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "builds": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] }

**Example**

```
{
  "mwtype": "deployment/DeploymentEnvironmentResponse",
  "deploymentEnvironment": {
    "guid": "guid",
    "name": "name",
    "type": "in_kubernetes_cluster",
    "deploymentEnvironmentMetaData": {},
    "metaData": {
      "createdOn": "0001-01-01T00:00:00Z",
      "modifiedOn": "0001-01-01T00:00:00Z",
      "createdBy": "admin",
      "modifiedBy": "admin",
      "custom": {}
    },
    "builds": [
      {
        "guid": "guid",
        "deploymentMetaData": {},
        "metaData": {
          "createdOn": "0001-01-01T00:00:00Z",
          "modifiedOn": "0001-01-01T00:00:00Z",
          "createdBy": "admin",
          "modifiedBy": "admin",
          "custom": {}
        }
      }
    ]
  }
}
```

**Error**

**HTTP Status Code**

400 BadRequest

# GetDeploymentEnvironmentsByName

Get Deployment Environments by name.

## Request

### HTTP Method

POST

### URI

/modelscape/deployment/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
name	A [RE2](https://github.com/google/re2/wiki/Syntax) regular expression to match against Deployment Environments name.	"name"

### Example

```
{
  "mwtype": "deployment/GetDeploymentEnvironmentsByName",
  "name": "name"
}
```

## Response

### Success

### HTTP Status Code

200 OK

### Body

Returns an array of Deployment Environments.

Name	Description	Value-Type
deploymentEnvironments	An array of Deployment Environments.	<pre>[ { "guid": "guid", "name": "name", "type": "in_kubernetes_cluster", "deploymentEnvironmentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "builds": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>

**Example**

```

{
  "mwtype": "deployment/DeploymentEnvironmentsResponse",
  "deploymentEnvironments": [
    {
      "guid": "guid",
      "name": "name",
      "type": "in_kubernetes_cluster",
      "deploymentEnvironmentMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "builds": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}

```

**Error****HTTP Status Code**

400 BadRequest

## GetDeploymentEnvironmentsByType

Get Deployment Environments by type.

### Request

#### HTTP Method

POST

#### URI

/modelscape/deployment/api/1.0

#### Query Parameters

None.

#### Content-Type

- application/json

#### Body

Name	Description	Value-Type
type	The type of the Deployment Environments name.	"in_kubernetes_cluster"

#### Example

```
{
  "mwtype": "deployment/GetDeploymentEnvironmentsByType",
  "type": "in_kubernetes_cluster"
}
```

### Response

#### Success

#### HTTP Status Code

200 OK

#### Body

Returns an array of Deployment Environments.



Name	Description	Value-Type
deploymentEnvironments	An array of Deployment Environments.	<pre>[ { "guid": "guid", "name": "name", "type": "in_kubernetes_cluster", "deploymentEnvironmentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} }, "builds": [ { "guid": "guid", "deploymentMetaData": {}, "metaData": { "createdOn": "0001-01-01T00:00:00Z", "modifiedOn": "0001-01-01T00:00:00Z", "createdBy": "admin", "modifiedBy": "admin", "custom": {} } } ] } ]</pre>

**Example**

```
{
  "mwtype": "deployment/DeploymentEnvironmentsResponse",
  "deploymentEnvironments": [
    {
      "guid": "guid",
      "name": "name",
      "type": "in_kubernetes_cluster",
      "deploymentEnvironmentMetaData": {},
      "metaData": {
        "createdOn": "0001-01-01T00:00:00Z",
        "modifiedOn": "0001-01-01T00:00:00Z",
        "createdBy": "admin",
        "modifiedBy": "admin",
        "custom": {}
      },
      "builds": [
        {
          "guid": "guid",
          "deploymentMetaData": {},
          "metaData": {
            "createdOn": "0001-01-01T00:00:00Z",
            "modifiedOn": "0001-01-01T00:00:00Z",
            "createdBy": "admin",
            "modifiedBy": "admin",
            "custom": {}
          }
        }
      ]
    }
  ]
}
```

**Error****HTTP Status Code**

400 BadRequest

# UpdateDeployment

Update a Deployment of a Model Version Build on a Deployment Environment (partial update allowed).

## Request

### HTTP Method

POST

### URI

/modelscape/deployment/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
build	The Model Version Build to deploy.	{ "guid": "guid" }
deploymentEnvironment	The Deployment Environment on which to deploy.	{ "guid": "guid" }
deploymentMetadata	The details of the Deployment.	{}
metaData	MetaData for the Deployment.	{ "custom": {} }

### Example

```
{
  "mwtype": "deployment/UpdateDeployment",
  "build": {
    "guid": "guid"
  },
  "deploymentEnvironment": {
    "guid": "guid"
  },
  "deploymentMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

#### Body

Update was successful.

#### Example

```
{  
  "mwtype": "deployment/UpdateDeploymentResponse"  
}
```

### Error

#### HTTP Status Code

400 BadRequest

# UpdateDeploymentEnvironment

Update a Deployment Environment (partial update allowed).

## Request

### HTTP Method

POST

### URI

/modelscape/deployment/api/1.0

### Query Parameters

None.

### Content-Type

- application/json

### Body

Name	Description	Value-Type
guid	The GUID of the Deployment Environment.	"guid"
deploymentEnvironmentMetaData	The details of the Deployment Environment.	{}
metaData	MetaData for the Deployment Environment.	{ "custom": {} }

### Example

```
{
  "mwtype": "deployment/UpdateDeploymentEnvironment",
  "guid": "guid",
  "deploymentEnvironmentMetaData": {},
  "metaData": {
    "custom": {}
  }
}
```

## Response

### Success

#### HTTP Status Code

200 OK

**Body**

Updates were successful.

**Example**

```
{  
  "mwtype": "deployment/UpdateDeploymentEnvironmentResponse"  
}
```

**Error**

**HTTP Status Code**

400 BadRequest