

DMaaP Bus Controller API

provides an API for DCAE components which need to provision underlying DMaaP technologies (Data Router and Message Router). Primary clients for this API are anticipated to be the DCAE Controller, DCAE Orchestrator, DCAE Inventory and the ECOMP Portal.

Objects managed by DMaaP are deployed in a `dcaeLocation` which is a unique identifier for an *A/C* purposed for a *dcaeLayer*, `opendcae-central` (aka *ecomp*) or `opendcae-local-ntc` (aka *edge*).

A *dcaeEnvironment* (e.g. *FTL* or *prod*) has a single `DMaaP`. A `DMaaP` is managed by a one or more stateless *DMaaP Bus Controller*. Each *DMaaP* has a single instance of Data Router, which has 1 or more `DR_Node`s deployed at each `dcaeLocation`. DR Clients of type `DR_Pub` generally publish to a `DR_Node` that is local to its `dcaeLocation`. Routing for a `Feed` is determined by the `dcaeLocation` of its `DR_Sub` clients.

A *DMaaP* may have many Message Router instances. Each instance is deployed as an `MR_Cluster`. One `MR_Cluster` is deployed at each `dcaeLocation`. `MR_Client`s generally communicate to the `MR_Cluster` at the same `dcaeLocation`. Replication of messages between `MR_Cluster`s is accomplished by *MR Bridge*, which is provisioned by DMaaP Bus Controller when publisher is at an edge `dcaeLocation` and subscriber is at a *ecomp* `dcaeLocation`.

Therefore, the role of DMaaP Bus Controller is to support other DCAE infrastructure components to dynamically provision DMaaP services on behalf of DMaaP clients, and to assist in any management or discovery activity of its clients.

A convention of this API is to return JSON responses per OpenStack style.

To do:

- add more filters for Inventory needs
- update 400 responses with more precise/appropriate response
- need to think through what is impact to deleting a `DR_Node`, since there may be routing rules depending on it.
- add href links
- api authorization
- policy checks

Version 1.1.4

Paths

`/dmaap`

Description

Gets the `dmaap` object, which contains system wide configuration settings

Responses

Code	Description	Schema
200	success	<pre>▼ { ⚡ DMaaP: ▶DMaaP { } }</pre>
default	Unexpected error	<pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

Description

Create a new DMaaP set system wide configuration settings for the *dcaeEnvironment*. Deprecated with introduction of persistence in 1610.

Responses

Code	Description
204	success
default	unexpected error

[Try this operation](#)

Description

Update system settings for *dcaeEnvironment*.

Parameters

Name	Located in	Description	Required	Schema
see model	body	update allowed for the following fields: version, topicNsRoot, dmaapName, drProvURL, bridgeAdminTopic	Yes	<pre> ⇔ ▼DMaaP { version: ▶ string * topicNsRoot: ▶ string * dmaapName: ▶ string * drProvURL: ▶ string * bridgeAdminTopic: ▶ string * loggingURL: ▶ string nodeKey: ▶ string accessKeyOwner: ▶ string extends: ▶ DmaapObject { } } </pre>

Responses

Code	Description	Schema
200	success	<pre> ⇔ ▼ { DMaaP: ▶DMaaP { } } </pre>
default	Unexpected error	<pre> ⇔ ▼Error { code: integer message: string fields: string } </pre>

Try this operation

/dcaeLocations

GET /dcaeLocations

dcaeLocations

Description

Returns array of `dcaeLocation` objects. All objects managed by DMaaP are deployed in some `dcaeLocation` which is a unique identifier for an *AIC* purposed for a *dcaeLayer* (ecomp or edge).

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇨ dcaeLocation: ▶[] }</pre>
default	Unexpected error	<pre>▼Error { code: integer ⇨ message: string fields: string }</pre>

Try this operation

POST /dcaeLocations

dcaeLocations

Description

Create some `dcaeLocation` which is a unique identifier for an *AIC* purposed for a *dcaeLayer* (ecomp or edge).

Parameters

Name	Located in	Description	Required	Schema
see model	body	specify required fields for <code>dcaeLocation</code>	Yes	<pre>↔ dcaeLocation { cli: ▶ string dcaeLayer: ▶ string * dcaeLocationName: ▶ string * openStackAvailabilityZone: ▶ string subnet: ▶ string extends: ▶DmaapObject { } }</pre>

Responses

Code	Description	Schema
200	success	<pre>↔ { dcaeLocation: ▶[] }</pre>
default	Unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

/dcaeLocations/{dcaeLocationName}

GET /dcaeLocations/{dcaeLocationName}

dcaeLocations

Description

Gets a specific `dcaeLocation` object with specified tag

Parameters

Name	Located in	Description	Required	Schema
dcaeLocationName	path	unique tag of dcaeLocation	Yes	⇒ string

Responses

Code	Description	Schema
200	success	⇒ { dcaeLocation: ▶dcaeLocation { } }
default	Unexpected error	⇒ { code: integer message: string fields: string }

Try this operation

PUT /dcaeLocations/{dcaeLocationName}

dcaeLocations

Description

update a dcaeLocation in DMaaP.

Parameters

Name	Located in	Description	Required	Schema
see model	body	update the openStackAvailabilityZone of a dcaeLocation	Yes	<pre>↔ dcaeLocation { cli: string dcaeLayer: string * dcaeLocationName: string * openStackAvailabilityZone: string subnet: string extends: DmaapObject { } }</pre>
dcaeLocationName	path	unique tag of dcaeLocation	Yes	<pre>↔ string</pre>

Responses

Code	Description	Schema
200	success	<pre>↔ { dcaeLocation: dcaeLocation { } }</pre>
default	Unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

DELETE /dcaeLocations/{dcaeLocationName}

dcaeLocations

Description

delete a dcaeLocation

Parameters

Name	Located in	Description	Required	Schema
dcaeLocationName	path	unique tag of dcaeLocation	Yes	⇒ string

Responses

Code	Description	Schema
204	success	
default	Unexpected error	⇒ <pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

/dr_nodes

Description

Gets DR_Node object array. Need to add filter by dcaeLocation.

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇌ dr_node: ▶[] }</pre>
default	unexpected error	<pre>▼ Error { ⇌ code: integer message: string fields: string }</pre>

Try this operation

Description

create a `DR_Node` in a `dcaeLocation`. Note that multiple `DR_Node`s may exist in the same `dcaeLocation`.

Parameters

Name	Located in	Description	Required	Schema
see model	body	required fields to add DR Node to DMaaP environment	Yes	<pre> ▼DR_Node { fqdn: string * dcaeLocationName: ▶ string * hostName: ▶ string version: ▶ string extends: ▶DmaapObject { } } </pre>

Responses

Code	Description	Schema
200	success	<pre> ▼DR_Node { fqdn: string * dcaeLocationName: ▶ string * hostName: ▶ string version: ▶ string extends: ▶DmaapObject { } } </pre>
default	Unexpected error	<pre> ▼Error { code: integer message: string fields: string } </pre>

Try this operation

/dr_nodes/{fqdn}

GET /dr_nodes/{fqdn}

dr_nodes

Description

Gets a single `DR_Node` object with specified FQDN

Parameters

Name	Located in	Description	Required	Schema
fqdn	path	unique tag of dr_node	Yes	

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇌ dr_node: ▶ { } }</pre>
default	unexpected error	<pre>▼ Error { ⇌ code: integer ⇌ message: string ⇌ fields: string }</pre>

Try this operation

DELETE /dr_nodes/{fqdn}

dr_nodes

Description

Delete a single `DR_Node` object. For now, this simply deletes the `DR_Node` from consideration for going forward provisioning.

Parameters

Name	Located in	Description	Required	Schema
fqdn	path	unique tag of dr_node	Yes	

Responses

Code	Description	Schema
204	success	
default	unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

PUT /dr_nodes/{fqdn}

dr_nodes

Description

Update a single `DR_Node` object

Parameters

Name	Located in	Description	Required	Schema
fqdn	path	unique tag of dr_node	Yes	

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇌ dr_node: ▶ { } }</pre>
default	unexpected error	<pre>▼ Error { ⇌ code: integer message: string fields: string }</pre>

Try this operation

/mr_clusters

Description

Gets MR_Cluster object array

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇌ mr_cluster: ▶[] }</pre>
default	unexpected error	<pre>▼ Error { ⇌ code: integer ⇌ message: string ⇌ fields: string }</pre>

Try this operation

Description

create an MR Cluster in the specified dcaeLocation. An MR Cluster consists of 3 VMs where MR is deployed in a cluster-aware configuration. Only 1 MR_Cluster is allowed per dcaeLocation

Parameters

Name	Located in	Description	Required	Schema
see model	body	MR Cluster to add to DMaaP	Yes	<pre> ▼MR_Cluster { dcaeLocationName: ▶ string * fqdn: ▶ string * hosts: ▶ [] topicProtocol: ▶ string topicPort: ▶ string extends: ▶DmaapObject { } } </pre>

Responses

Code	Description	Schema
204	successful response	
default	Unexpected error	<pre> ▼Error { code: integer message: string fields: string } </pre>

Try this operation

/mr_clusters/{dcaeLocationName}

GET /mr_clusters/{dcaeLocationName}

mr_clusters

Description

Gets a specific MR_Cluster using the specified tag

Parameters

Name	Located in	Description	Required	Schema
dcaeLocationName	path	unique tag of dcaeLocation	Yes	⇔ string

Responses

Code	Description	Schema
200	successful response	⇔ { mr_cluster: ▶MR_Cluster { } }
default	Unexpected error	⇔ { Error { code: integer message: string fields: string } }

Try this operation

PUT /mr_clusters/{dcaeLocationName}

mr_clusters

Description

Update a specific `MR_Cluster` using the specified tag

Parameters

Name	Located in	Description	Required	Schema
see model	body	update allowed on set of host names in the cluster	Yes	\Rightarrow <pre>▼MR_Cluster { dcaeLocationName: ▶ string * fqdn: ▶ string * hosts: ▶[] topicProtocol: ▶ string topicPort: ▶ string extends: ▶ DmaapObject { } }</pre>
dcaeLocationName	path	unique tag of dcaeLocation	Yes	\Rightarrow string

Responses

Code	Description	Schema
200	successful response	\Rightarrow <pre>▼ { mr_cluster: ▶MR_Cluster { } }</pre>
default	Unexpected error	\Rightarrow <pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

DELETE /mr_clusters/{dcaeLocationName}

mr_clusters

Description

delete an MR Cluster

Parameters

Name	Located in	Description	Required	Schema
dcaeLocationName	path	unique tag of dcaeLocation	Yes	⇒ string

Responses

Code	Description	Schema
204	successful response	
default	Unexpected error	⇒ <pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

/dr_pubs

Description

Gets DR_Pub object array. Add filter for feedId

Responses

Code	Description	Schema
200	success	<pre>↔ { DR_Pub: ▶[] }</pre>
default	Unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

Description

create a DR Publisher in the specified environment

Parameters

Name	Located in	Description	Required	Schema
see model	body	DR Publisher to add to DMaaP	Yes	<pre> ↔ ▼DR_Pub { dcaeLocationName: ▶ string * username: ▶ string * userpwd: ▶ string * feedId: ▶ string * pubId: ▶ string extends: ▶DmaapObject { } } </pre>

Responses

Code	Description	Schema
200	successful response will populate feedId, pubId and status	
default	Unexpected error	<pre> ↔ ▼Error { code: integer message: string fields: string } </pre>

Try this operation

/dr_pubs/{pubId}

GET /dr_pubs/{pubId}

dr_pubs

Description

Gets a `DR_Pub` object by `pubId`

Parameters

Name	Located in	Description	Required	Schema
<code>pubId</code>	<code>path</code>	unique tag of <code>DR_Pub</code> object	Yes	\rightleftharpoons string

Responses

Code	Description	Schema
200	success	\rightleftharpoons <pre>{ DR_Pub: { } }</pre>
default	Unexpected error	\rightleftharpoons <pre>{ Error { code: integer message: string fields: string } }</pre>

Try this operation

Description

Update a DR_Pub object by pubId

Parameters

Name	Located in	Description	Required	Schema
see model	body	the usrpwd and status (suspend, enable) fields are allowed to be updated	Yes	<pre> ⇔ DR_Pub { dcaeLocationName: ▶ string * username: ▶ string * userpwd: ▶ string * feedId: ▶ string * pubId: ▶ string extends: ▶ DmaapObject { } } </pre>
pubId	path	unique tag of DR_Pub object	Yes	⇔ string

Responses

Code	Description	Schema
200	success	<pre> ⇔ { DR_Pub: ▶ { } } </pre>
default	Unexpected error	<pre> ⇔ Error { code: integer message: string fields: string } </pre>

Try this operation

DELETE /dr_pubs/{pubId}

dr_pubs

Description

Delete a DR_Pub object by pubId

Parameters

Name	Located in	Description	Required	Schema
pubId	path	unique tag of DR_Pub object	Yes	⇒ string

Responses

Code	Description	Schema
200	success	⇒ ▼ { DR_Pub: ▶ { } }
default	Unexpected error	⇒ ▼Error { code: integer message: string fields: string }

Try this operation

/dr_subs

Description

Gets DR_Sub object array. Add filter for feedId

Responses

Code	Description	Schema
200	success	<pre>↔ [▾ DR_Sub { }]</pre>
default	Unexpected error	<pre>↔ { ▾ Error { code: integer message: string fields: string } }</pre>

[Try this operation](#)

Description

create a DR Subscriber in the specified environment

Parameters

Name	Located in	Description	Required	Schema
see model	body	DR Subscriber to add to DMaaP	Yes	<pre> ▼DR_Sub { dcaeLocationName: ▶ string * username: ▶ string * userpwd: ▶ string * feedId: ▶ string * deliveryURL: ▶ string * logURL: ▶ string subId: ▶ integer suspended: ▶ boolean extends: ▶DmaapObject { } } </pre>

Responses

Code	Description	Schema
200	successful response includes logURL, subId, status	<pre> ▼DR_Sub { dcaeLocationName: ▶ string * username: ▶ string * userpwd: ▶ string * feedId: ▶ string * deliveryURL: ▶ string * logURL: ▶ string subId: ▶ integer suspended: ▶ boolean extends: ▶DmaapObject { } } ▼Error { </pre>

default Unexpected error

```
↔ code: integer  
message: string  
fields: string  
}
```

Try this operation

/dr_subs/{subId}

GET /dr_subs/{subId}

dr_subs

Description

Gets a DR_Sub object by pubId

Parameters

Name	Located in	Description	Required	Schema
subId	path	unique tag of DR_Sub object	Yes	⇔ integer

Responses

Code	Description	Schema
200	success	<pre>⇔ { DR_Sub { dcaeLocationName: ▶ string * username: ▶ string * userpwd: ▶ string * feedId: ▶ string * deliveryURL: ▶ string * logURL: ▶ string subId: ▶ integer suspended: ▶ boolean extends: ▶ DmaapObject { } } }</pre>
default	Unexpected error	<pre>⇔ { Error { code: integer message: string fields: string } }</pre>

Try this operation

Description

Update a DR_Sub object by subId

Parameters

Name	Located in	Description	Required	Schema
see model	body	the username, usrpwd, deliveryURL, use100 and status (suspend, enable) fields are allowed to be updated	Yes	<pre> ⇔ ▼DR_Sub { dcaeLocationName: ▶ string * username: ▶ string * userpwd: ▶ string * feedId: ▶ string * deliveryURL: ▶ string * logURL: ▶ string subId: ▶ integer suspended: ▶ boolean extends: ▶ DmaapObject { } } </pre>
subId	path	unique tag of DR_Sub object	Yes	⇔ integer

Responses

Code	Description	Schema
200	success	<pre> ⇔ { DR_Sub: ▶ { } } </pre>
default	Unexpected error	<pre> ⇔ ▼Error { code: integer message: string fields: string } </pre>

Try this operation

DELETE /dr_subs/{subId}

dr_subs

Description

Delete a DR_Sub object by subId

Parameters

Name	Located in	Description	Required	Schema
subId	path	unique tag of DR_Sub object	Yes	⇔ integer

Responses

Code	Description	Schema
204	success	
default	Unexpected error	<pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

/feeds

Description

Gets Feed object array

Responses

Code	Description	Schema
200	success	<pre>↔ { Feed: ▶[] }</pre>
default	Unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

Description

create a feed in the specified environment and add any specified pubs and subs.

Parameters

Name	Located in	Description	Required	Schema
see model	body	create allowed	Yes	<pre> ▼Feed { feedId: ▶ string feedName: ▶ string * feedVersion: ▶ string * feedDescription: string asprClassification: ▶ string * subscribeURL: ▶ string publishURL: ▶ string logURL: ▶ string suspended: ▶ boolean owner: ▶ string * formatUuid: ▶ string pubs: ▶ [] subs: ▶ [] extends: ▶DmaapObject { } } </pre>

Responses

Code	Description	Schema
		<pre> ▼Feed { feedId: ▶ string feedName: ▶ string * feedVersion: ▶ string * feedDescription: string asprClassification: ▶ string * subscribeURL: ▶ string } </pre>

200

successful response will populate feedId, status, publishURL and logURL

```
↕
publishURL: ▶ string
logURL: ▶ string
suspended: ▶ boolean
owner: ▶ string *
formatUuid: ▶ string
pubs: ▶ []
subs: ▶ []
extends: ▶ DmaapObject {
}
}
```

default Unexpected error

```
↕
▼ Error {
  code: integer
  message: string
  fields: string
}
```

Try this operation

/feeds/{feedId}

Description

retrieve a specific feed by feedId.

Parameters

Name	Located in	Description	Required	Schema
feedId	path	application feed Id	Yes	⇒ integer

Responses

Code	Description	Schema
200	successful response	<pre> ↔ ▼ Feed { feedId: ▶ string feedName: ▶ string * feedVersion: ▶ string * feedDescription: string asprClassification: ▶ string * subscribeURL: ▶ string publishURL: ▶ string logURL: ▶ string suspended: ▶ boolean owner: ▶ string * formatUuid: ▶ string pubs: ▶ [] subs: ▶ [] extends: ▶DmaapObject { } } </pre>
default	Unexpected error	<pre> ↔ ▼ Error { code: integer message: string fields: string } </pre>

Try this operation

Description

update a feed. Currently update to feedDescription and status (suspend/enable) are allowed.

Parameters

Name	Located in	Description	Required	Schema
see model	body	update allowed	Yes	<pre> ↷ Feed { feedId: ▶ string feedName: ▶ string * feedVersion: ▶ string * feedDescription: string asprClassification: ▶ string * subscribeURL: ▶ string publishURL: ▶ string logURL: ▶ string suspended: ▶ boolean owner: ▶ string * formatUuid: ▶ string pubs: ▶ [] subs: ▶ [] extends: ▶ DmaapObject { } } </pre>
feedId	path	application feed Id	Yes	↷ integer

Responses

Code	Description	Schema
		<pre> ↷ Feed { feedId: ▶ string feedName: ▶ string * feedVersion: ▶ string * feedDescription: string } </pre>

200

successful response

↔

```
asprClassification: ▶ string *
subscribeURL:      ▶ string
publishURL:        ▶ string
logURL:            ▶ string
suspended:         ▶ boolean
owner:             ▶ string *
formatUuid:        ▶ string
pubs:              ▶ []
subs:              ▶ []
extends:           ▶DmaapObject { }
}
```

default

Unexpected error

↔

```
▼ Error {
  code: integer
  message: string
  fields: string
}
```

Try this operation

DELETE /feeds/{feedId}

feeds

Description

delete a feed specified by feedId, and all pubs and subs.

Parameters

Name	Located in	Description	Required	Schema
feedId	path	application feed Id	Yes	⇒ integer

Responses

Code	Description	Schema
204	successful response	
default	Unexpected error	⇒ <pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

/MR_Clients

Description

Gets MR_Client object array

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇌ MR_Client: ▶[] }</pre>
default	Unexpected error	<pre>▼Error { code: integer ⇌ message: string fields: string }</pre>

Try this operation

POST /MR_Clients

MR_Clients

Description

create a MR Client in the specified environment

Parameters

Name	Located in	Description	Required	Schema
see model	body	MR Client to add to DMaaP	Yes	<pre>↔ ▼MR_Client { dcaeLocationName: ▶ string * fqtn: ▶ string * clientRole: ▶ string * action: ▶ [] mrClientId: ▶ integer extends: ▶DmaapObject { } }</pre>

Responses

Code	Description	Schema
204	success	
default	Unexpected error	<pre>↔ ▼Error { code: integer message: string fields: string }</pre>

Try this operation

/MR_Clients/{mrClientId}

GET /MR_Clients/{mrClientId}

MR_Clients

Description

Gets MR_Client object by mrClientId

Parameters

Name	Located in	Description	Required	Schema
mrClientId	path	unique tag of dcaeLocation	Yes	

Responses

Code	Description	Schema
200	success	<pre>▼ { MR_Client: ► { } }</pre>
default	Unexpected error	<pre>▼ Error { code: integer message: string fields: string }</pre>

Try this operation

PUT /MR_Clients/{mrClientId}

MR_Clients

Description

Update an `MR_Client` object by `mrClientId`. Doesn't make sense to update this object -> Deprecate.

Parameters

Name	Located in	Description	Required	Schema
<code>mrClientId</code>	path	unique tag of <code>dcaeLocation</code>	Yes	

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇒ MR_Client: ▶ { } }</pre>
default	Unexpected error	<pre>▼ Error { ⇒ code: integer ⇒ message: string ⇒ fields: string }</pre>

Try this operation

DELETE /MR_Clients/{mrClientId}

MR_Clients

Description

Gets MR_Client object by mrClientId

Parameters

Name	Located in	Description	Required	Schema
mrClientId	path	unique tag of dcaeLocation	Yes	

Responses

Code	Description	Schema
204	success	
default	Unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

/topics

Description

Gets Topic object array

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇌ Topic: ▶[] }</pre>
default	Unexpected error	<pre>▼Error { ⇌ code: integer message: string fields: string }</pre>

Try this operation

Description

create a topic in the specified environment and grant appropriate permissions to specified pubs and subs

Parameters

Name	Located in	Description	Required	Schema
see model	body	application topic name	Yes	<pre> ↔ ▼Topic { fqtn: ▶ string topicName: ▶ string * topicDescription: ▶ string * owner: ▶ string * txenabled: ▶ boolean formatUuid: ▶ string clients: ▶ [] extends: ▶DmaapObject { } } </pre>

Responses

Code	Description	Schema
200	SUCCESS	<pre> ↔ ▼Topic { fqtn: ▶ string topicName: ▶ string * topicDescription: ▶ string * owner: ▶ string * txenabled: ▶ boolean formatUuid: ▶ string clients: ▶ [] extends: ▶DmaapObject { } } </pre>
default	Unexpected error	<pre> ↔ ▼Error { code: integer message: string } </pre>

```
    fields: string
  }
```

Try this operation

/topics/{fqtn}

GET /topics/{fqtn}

topics

Description

Gets `Topic` object by fully qualified topic name

Parameters

Name	Located in	Description	Required	Schema
fqtn	path	unique tag of topic	Yes	

Responses

Code	Description	Schema
200	success	<pre>▼ { ⇒ Topic: ▶ { } }</pre>
default	Unexpected error	<pre>▼Error { code: integer message: string fields: string }</pre>

Try this operation

DELETE /topics/{fqtn}

topics

Description

Delete `Topic` object by fully qualified topic name, and delete any clients

Parameters

Name	Located in	Description	Required	Schema
fqtn	path	unique tag of topic	Yes	

Responses

Code	Description	Schema
204	success	
default	Unexpected error	<pre>↔ Error { code: integer message: string fields: string }</pre>

Try this operation

Models

DmaapObject

```
↔ DmaapObject {
  all modeled fields are derived from this object. Swagger does not seem to display this properly or I am not using
  the correct syntax. But these fields should not be in an object. i.e. there is no JSON sub-record
  lastMod: ▶ string
  status: ▶ string
}
```

DMaaP

```
▼DMaaP {  
  version:          ▶ string *  
  topicNsRoot:     ▶ string *  
  dmaapName:       ▶ string *  
  drProvURL:       ▶ string *  
⇒ bridgeAdminTopic: ▶ string *  
  loggingURL:      ▶ string  
  nodeKey:         ▶ string  
  accessKeyOwner: ▶ string  
  extends:         ▶DmaapObject { }  
}
```

dcaeLocation

```
▼dcaeLocation {  
  cli:              ▶ string  
  dcaeLayer:        ▶ string *  
  dcaeLocationName: ▶ string *  
⇒ openStackAvailabilityZone: ▶ string  
  subnet:          ▶ string  
  extends:         ▶DmaapObject { }  
}
```

DR_Node

```
▼DR_Node {  
  fqdn:            string *  
  dcaeLocationName: ▶ string *  
⇒ hostname:       ▶ string  
  version:        ▶ string  
  extends:        ▶DmaapObject { }  
}
```

MR_Cluster


```
    ▼MR_Cluster {  
      dcaeLocationName: ▶ string *  
      fqdn:             ▶ string *  
      hosts:           ▶ []  
      topicProtocol:  ▶ string  
      topicPort:      ▶ string  
      extends:        ▶DmaapObject { }  
    }  
  ⇌
```

MR_Client

```
    ▼MR_Client {  
      dcaeLocationName: ▶ string *  
      fqtn:             ▶ string *  
      clientRole:      ▶ string *  
      action:          ▶ []  
      mrClientId:      ▶ integer  
      extends:        ▶DmaapObject { }  
    }  
  ⇌
```

DR_Pub

```
    ▼DR_Pub {  
      dcaeLocationName: ▶ string *  
      username:         ▶ string *  
      userpwd:         ▶ string *  
      feedId:          ▶ string *  
      pubId:           ▶ string  
      extends:        ▶DmaapObject { }  
    }  
  ⇌
```

DR_Sub

```
    ▼DR_Sub {  
      dcaeLocationName: ▶ string *  
      username:         ▶ string *
```

```
    userpwd:      ▶ string *
    feedId:       ▶ string *
    ↷ deliveryURL: ▶ string *
    logURL:       ▶ string
    subId:        ▶ integer
    suspended:    ▶ boolean
    extends:      ▶DmaapObject { }
  }
```

Topic

```
  ▼Topic {
    fqtn:          ▶ string
    topicName:     ▶ string *
    topicDescription: ▶ string *
    ↷ owner:       ▶ string *
    txenabled:     ▶ boolean
    formatUuid:    ▶ string
    clients:       ▶[]
    extends:       ▶DmaapObject { }
  }
```

Feed

```
  ▼Feed {
    feedId:        ▶ string
    feedName:      ▶ string *
    feedVersion:   ▶ string *
    feedDescription: string
    asprClassification: ▶ string *
    subscribeURL:  ▶ string
    ↷ publishURL:  ▶ string
    logURL:        ▶ string
    suspended:     ▶ boolean
```

```
owner:           ▶ string *
formatUuid:     ▶ string
pubs:           ▶ []
subs:           ▶ []
extends:        ▶DmaapObject { }
```

```
}
```

Error

```
▼Error {
  code: integer
  ⇒ message: string
  fields: string
}
```