# Page Title: aiops-api-documentation On this page API Authentication â€∢ To securely access the API, the system supports two types of authentication methods: CookieAuth and BearerAuth . These methods ensure that only authorized users can interact with the API endpoints. 1. CookieAuth â€∢ CookieAuth is a simple method of authentication that requires a fixed token. This token is passed in the API request to authenticate the client. The fixed token for CookieAuth is as follows: client.id=Q5VZ97naQhyLIH0Vz4MSXvzbMyCYTjPwz+1hVJ643pA= When making requests, this token should be included in the cookies section of the request header. This method is static and does not change over time. 2. BearerAuth â€∢ BearerAuth uses a Personal Access Token (PAT) for authentication. This token is dynamic and must be generated by the user via the Motadata AlOps UI. Once generated, the token is used in the

Authorization
header as a Bearer token.
This API provides endpoints for retrieving various types of monitor information, including details,
instances, status, severity, and last poll information. It also offers performance metrics data based
on widget IDs.
Authentication
â€⊂
Security Scheme Type:
apiKey
Header parameter name:
cookie
Security Scheme Type:
http
HTTP Authorization Scheme:
bearer
Bearer format:
JWT
Contact
support@motadata.com
Terms of Service
https://www.motadata.com/aiops-docs/
License
Motadata

### Page Title: fetch-monitors-details

Introduction

This API provides endpoints for retrieving various types of monitor information, including details, instances, status, severity, and last poll information. It also offers performance metrics data based on widget IDs.

Introduction

**API** Authentication

Retrieve detailed information about all monitors.

Call this API to obtain comprehensive details about each monitor.

Retrieve monitor status using Monitor ID

Call this API to obtain the status of each monitor by providing the Monitor ID.

Retrieve detailed information about instances using Monitor ID

Call this API to obtain detailed information for each monitor instance.

Retrieve Monitor Details by Filter

Call this API to get the details of monitors based on specific filters. The filter parameter must be provided in the query to filter and retrieve monitors that match the specified criteria.

Retrieve Monitor Details by Status

Call this API to get the details of monitors based on their status. The status parameter must be provided in the query to filter and retrieve the monitors that match the specified status.

Retrieve monitors with specific alert severity

Call this API to obtain a list of monitors that have alerts matching the severity level specified in the `severity` parameter.

Retrieve the Last Poll Information for a Monitor

Call this API to obtain the last poll information for a specific monitor, including details about the metric group. The Monitor ID must be provided to fetch the corresponding poll information.

Retrieve monitors from group

Call this API to obtain the monitors within a group via the corresponding Group ID.

Retrieve all performance metrics dashboards.

This endpoint retrieves all available dashboards containing performance metrics details. The data returned includes information such as dashboard IDs, names, category, and their configurations.

Retrieve Widgets from a Specific Dashboard

This endpoint retrieves all widgets associated with a specific dashboard, identified by its unique dashboard ID. The response includes the widget IDs and details of each widget within the dashboard, allowing for subsequent metric retrieval operations on individual widgets.

ðŸ""︕

Retrieve details of a specific widget like widget name by its ID.

This endpoint retrieves detailed information about a specific widget using its unique ID. The widget details include widget name, description, category, widget timeline details and other relevant data that can be used to identify the widget. This endpoint is useful for users who need to identify the widget for further performance metrics retrieval from the widget.

ðŸ""ïͺ•

Retrieve Performance Metrics Information Based on Widget ID

Call this API to retrieve the Key Performance Indicators (KPIs) for a specific widget. The `id` parameter must be provided to specify the widget of a dashboard for which you want to retrieve the KPIs.

ðŸ""︕

Retrieve historical time-series data for a single metric

This endpoint retrieves time-series data for a single specified metric over a given timeline. The data is displayed as a series of data points, each representing a specific moment in time. Users can specify a metric (e.g., `system.cpu.percent`), the entity type (e.g., `monitor`), and a list of specific entities. The data can be aggregated using methods such as `avg` (average) or others based on the user's request. Additionally, the timeline and granularity can be customized, allowing for detailed insights into both current and historical performance metrics.

### Retrieve aggregated metric data for multiple counters

This endpoint retrieves aggregated historical data for multiple specified metrics over a given timeline. The data is aggregated using methods such as `avg` (average), `sum`, `min`, `max`, or `count`, based on the user's request. Users can specify multiple data points (e.g., `system.cpu.percent`, `system.memory.used.percent`) along with the entity type (e.g., `monitor`) and a list of specific entities. Additionally, the timeline for the data can be customized, allowing users to fetch both current and historical data. Unlike the histogram API, this endpoint returns aggregated values rather than time series data, providing a summary view of the metrics based on the selected parameters.

### Page Title: retrieve-aggregated-metric-data-for-multiple-counters

Retrieve aggregated metric data for multiple count
--

**POST** 

/query/metric/aggregations

This endpoint retrieves aggregated historical data for multiple specified metrics over a given timeline. The data is aggregated using methods such as

avg

(average),

sum

min

max

, or

count

, based on the user's request. Users can specify multiple data points (e.g.,

system.cpu.percent

system.memory.used.percent

) along with the entity type (e.g.,

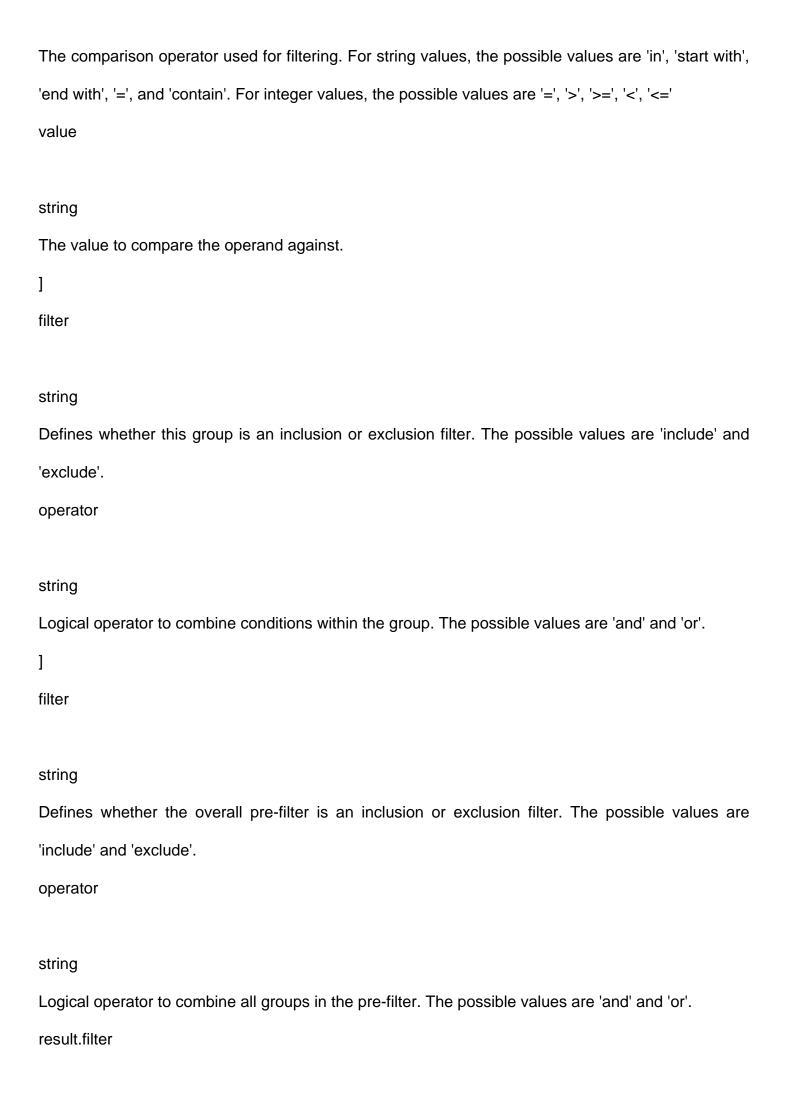
monitor

) and a list of specific entities. Additionally, the timeline for the data can be customized, allowing users to fetch both current and historical data. Unlike the histogram API, this endpoint returns aggregated values rather than time series data, providing a summary view of the metrics based on the selected parameters.

Request
â€⊂
application/json
Body
required
queries
object[]
required
A list of queries to retrieve data for multiple metrics. Each query can specify the aggregator, data
point, and entity type. To query multiple metrics, add additional query objects, each containing these
parameters.
Array [
aggregator
string
required
The method of aggregation for the data points, such as 'avg', 'sum', 'min', 'max', and 'count'
data.point
string
required
The specific metric or data point to query, for example, 'system.cpu.percent'.
entity.type
string
The type of entity for which data is being retrieved, for example, 'monitor'.
entities

integer[] The specific entity IDs to query the data for. The ID could be a Monitor ID, Group ID, or a Tag value based on the 'entity.type' you have selected 1 data.filter object Specifies the pre-filters applied to the data before aggregation. This attribute allows users to define conditions to include or exclude data based on certain criteria before it is processed. Users can group multiple conditions using logical operators and control the filtering logic. groups object[] Defines groups of conditions for the pre-filter. Each group consists of multiple conditions that can be combined with a logical operator. You can add a maximum of 3 groups at once. Array [ conditions object[] List of individual conditions within the group. Each condition specifies a field, an operator, and a value. You can add a maximum of 3 conditions at once. Array [ operand string The field to apply the condition on, such as a metric. operator

string



object

Specifies the post-filters applied to the aggregated results. This attribute allows users to refine the output by including or excluding results based on defined conditions after the aggregation process is complete.

conditions

object[]

List of conditions to filter the aggregated results. Each condition specifies a field, an operator, and a value. You can add a maximum of 3 conditions at once.

Array [

operand

string

The field to apply the condition on, such as an aggregated metric.

operator

string

The comparison operator used for filtering. For string values, the possible values are 'in', 'start with', 'end with', '=', and 'contain'. For integer values, the possible values are '=', '>', '>=', '<', '<=' value

integer

The value to compare the operand against.

]

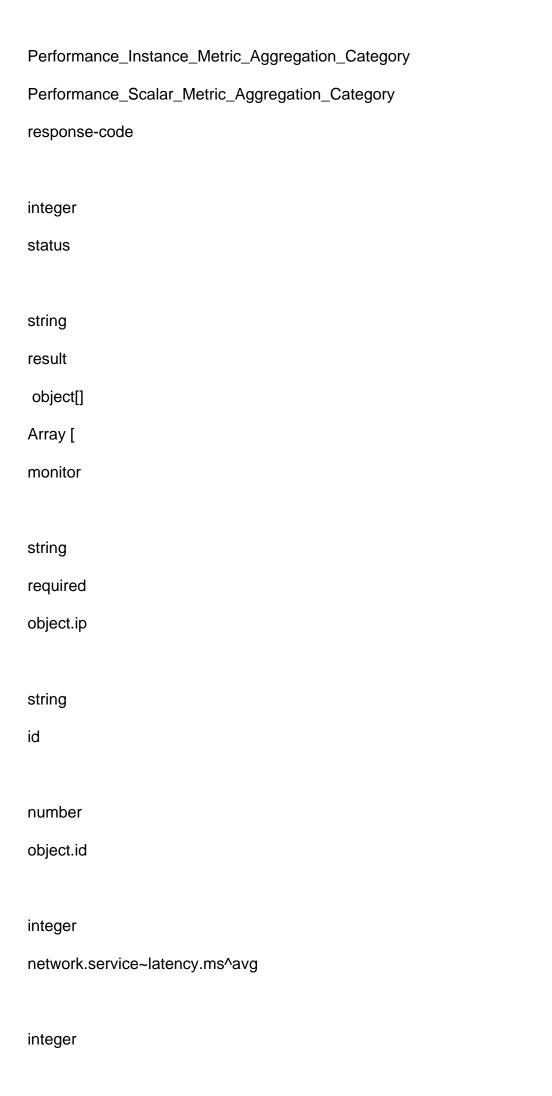
filter

string

Defines whether the post-filter is an inclusion or exclusion filter. The possible values are 'include'

and 'exclude'.
operator
string
Logical operator to combine all conditions in the post-filter. The possible values are 'and' and 'or'.
timeline
object
required
Defines the time range for the data being retrieved. This includes the start and end dates and times.
from.date
date
required
The start date for the data retrieval.
from.time
time
required
The start time for the data retrieval.
to.date
date
required
The end date for the data retrieval.
to.time
time

required
The end time for the data retrieval.
type
string
required
Specifies the type of data to be retrieved, such as 'metric'. The possible type of data that can be
retrieved are 'metric' and 'availability'.
result.by
string[]
required
An array of strings specifying how the results should be grouped, The possible values are 'monitor',
'tag', 'group', and 'instance'.
Responses
â€⊂
200
400
403
500
Successfully retrieved Historical data with respect to data point with specific aggregator and specific
entity type.
application/json
Schema
Example (from schema)
Schema
oneOf



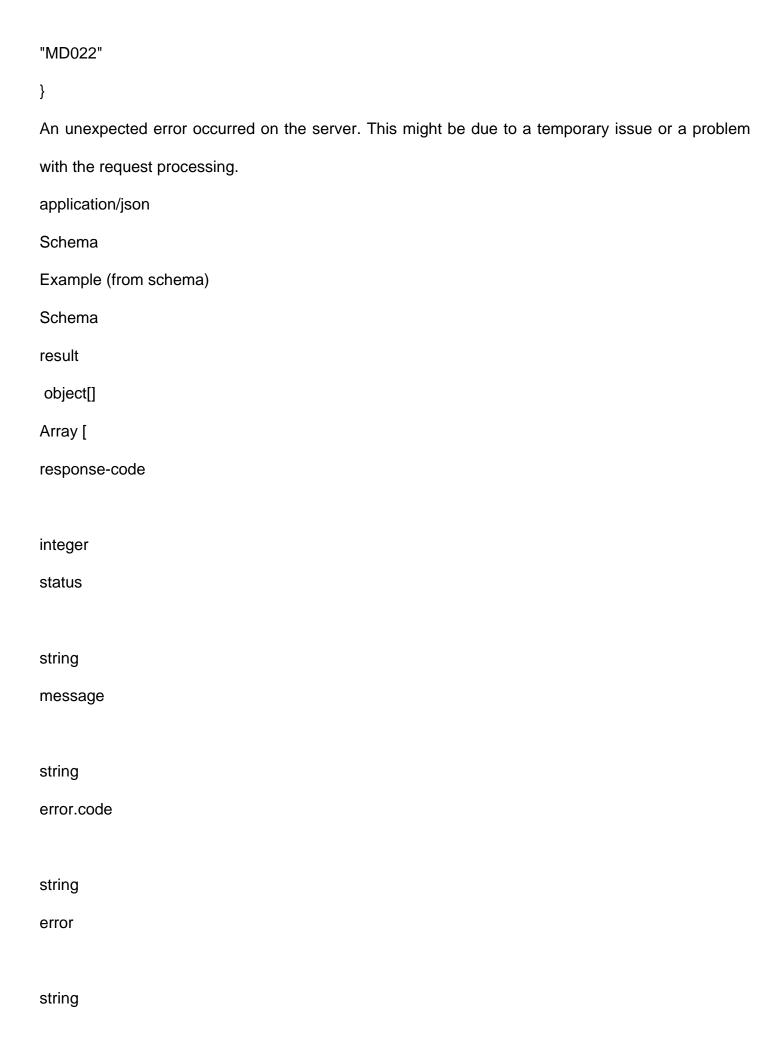
1
response-code
integer
status
string
result
object[]
Array [
monitor
string
required
object.ip
string
id
number
object.id
integer
system.cpu.percent^avg
integer
system.running.processes^avg

```
integer
system.disk.read.bytes^avg
integer
]
{
}
The request was invalid. Possible reasons could include missing required parameters or incorrect
parameter values.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
string
message
string
error.code
string
{
```

```
"response-code"
:
400
"status"
"fail"
"message"
"Bad request"
"error.code"
"MD031"
}
The client is not authorized to access this resource. Ensure that the correct permissions are granted.
application/json
```

Schema

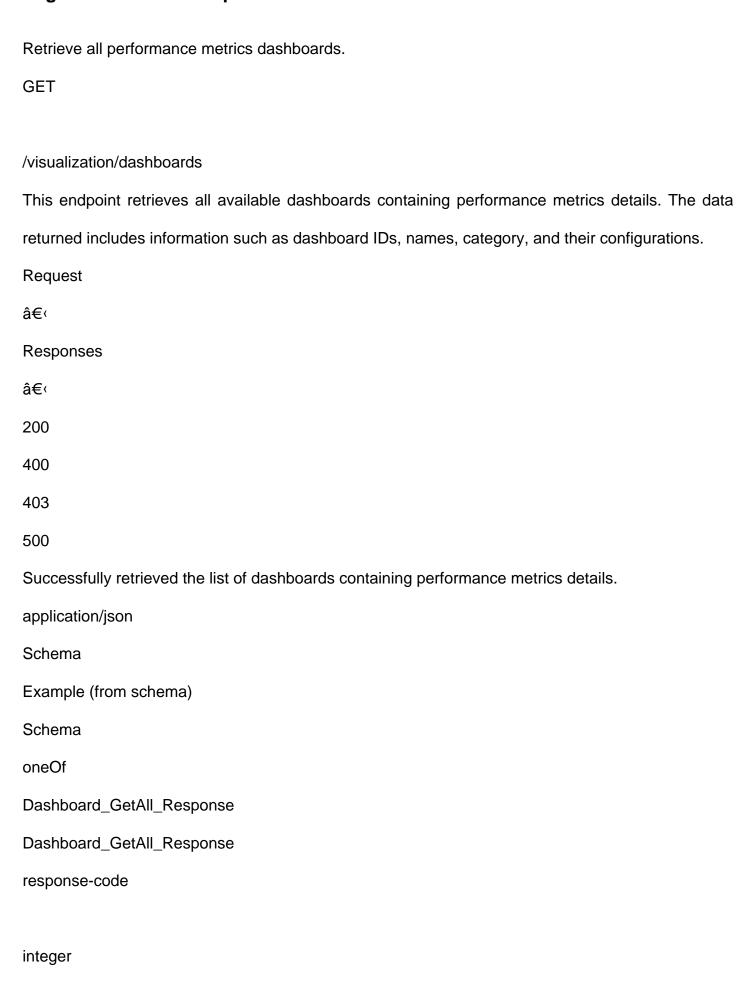
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
:
403
,
"message"
"Unauthorized access: Client is not allowed to access API"
,
"error.code"
:



]
{
"result"
:
[
{
"response-code"
:
500
,
"status"
:
"fail"
,
"message"
:
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"

```
"error.code"
   "MD031"
   "error"
   "io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116) \verb|\ntat|| to the context of th
 io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90) \verb|\ntat| at the context of the con
 io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
 io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
 ]
   }
 Loading...
```

### Page Title: retrieve-all-performance-metrics-dashboards



string
result
object[]
Array [
Network
object[]
Array [
dashboard.name
string
dashboard.category
string
dashboard.access.type
string
dashboard.users
integer[]
dashboard.context
object
dashboard.widgets
object[]
Array [
id

status

integer	
x	
integer	
у	
integer	
h	
integer	
w	
integer	
]	
id	
integer	
]	
Server	
object[]	
Array [	
dashboard.name	
string	
dashboard.category	

dashboard.access.type	
string	
dashboard.users	
integer[]	
dashboard.context	
object	
dashboard.widgets	
object[]	
Array [	
id	
integer	
x	
integer	
у	
integer	
h	
integer	
W	
integer	

string

```
]
id
integer
]
]
response-code
integer
status
string
result
object[]
Array [
Network
object[]
Array [
dashboard.name
string
dashboard.category
string
dashboard.access.type
string
```

# dashboard.users integer[] dashboard.context object dashboard.widgets object[] Array [

integer

Χ

id

integer

У

integer

h

integer

W

integer

]

id

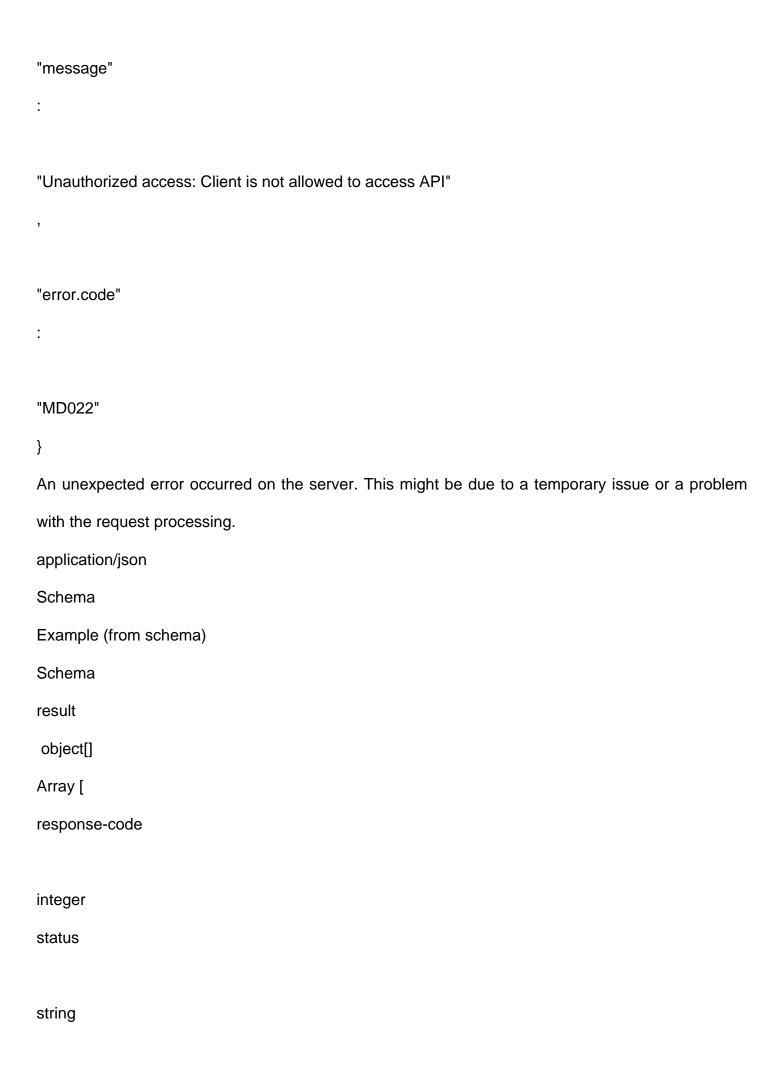
integer

```
]
Server
object[]
Array [
dashboard.name
string
dashboard.category
string
dashboard.access.type
string
dashboard.users
integer[]
dashboard.context
object
dashboard.widgets
object[]
Array [
id
integer
Χ
integer
```

```
У
integer
h
integer
W
integer
]
id
integer
]
{
}
The request was invalid. Possible reasons could include missing required parameters or incorrect
parameter values.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
```

```
string
message
string
error.code
string
{
"response-code"
:
400
"status"
"fail"
"message"
:
"Bad request"
```

```
"error.code"
"MD031"
}
The client is not authorized to access this resource. Ensure that the correct permissions are granted.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
:
403
```



```
message
string
error.code
string
error
string
]
{
"result"
:
[
{
"response-code"
:
500
"status"
```

"fail"
,
"message"
:
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}

```
]
}
Loading...
```

## Page Title: retrieve-detailed-information-about-all-monitors

Retrieve detailed information about all monitors.
GET
/query/objects
Call this API to obtain comprehensive details about each monitor.
Request
â€⊂
Responses
â€⊂
200
400
403
500
The request was successful, and the server has returned the requested details about all monitors
The response contains a JSON object with comprehensive information on each monitor.
application/json
Schema
Example (from schema)
Schema
result
object[]
Array [
id
integer

string
object.ip
string
object.host
string
object.name
string
object.system.oid
string
object.type
string
object.discovery.method
string
object.state
string
object.category
string

object.target

string
user.name
string
object.creation.time
string
object.creation.time.seconds
integer
object.business.hour.profile
integer
object.id
integer
object.groups
·
integer[]
object.snmp.device.catalog
intogor
object make model
object.make.model
string
ouring .

remote.address

```
object.context
object
ping.check.status
string
port
integer
snmp.check.retries
integer
interface.discovery
string
topology.plugin.discovery
string
object.vendor
string
]
{
"result"
[
```

```
{
"id"
48159328544
"object.target"
"172.16.8.2"
"object.ip"
"172.16.8.2"
"object.host"
"cisco_core.motadata.local"
```

"object.name"
:
"cisco_core.motadata.local"
•
"object.system.oid"
:
".1.3.6.1.4.1.9.1.2494"
,
"object.type"
:
"Switch"
,
"object.discovery.method"
:
"REMOTE"
,
"object.state"
:

"ENABLE"	
,	
"object.category"	
:	
"Network"	
,	
"remote.address"	
:	
"127.0.0.1"	
,	
"user.name"	
:	
"admin"	
,	
"object.creation.time"	
:	
"2024/07/11 15:21:18"	
,	

"object.creation.time.seconds"
:
1720691478
,
"object.business.hour.profile"
:
4000000000004
1000000000001
,
"object.id"
:
10
,
"object.groups"
:
[
1000000000002
1

,

"object.snmp.device.catalog"
:
1000000011869
,
"object.make.model"
:
"Cisco Catalyst 93xx Switch Stack"
,
"object.context"
:
{
"ping.check.status"
:
"yes"
,
"port"
<b>:</b>

161
,
"snmp.check.retries"
:
2
,
"interface.discovery"
:
"yes"
,
"topology.plugin.discovery"
:
"yes"
}
,
"object.vendor"
:

"Cisco Systems"

```
}
]
}
The request was invalid. Possible reasons could include missing required parameters or incorrect
parameter values.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
string
message
string
error.code
string
{
"response-code"
```

```
400
"status"
"fail"
"message"
"Bad request"
"error.code"
"MD031"
}
The server understood the request but refuses to authorize it. This can happen if the client does not
have the necessary permissions to access this resource.
application/json
Schema
Example (from schema)
Schema
```

response-code
integer
message
string
error.code
string
{
"response-code"
:
403
,
"message"
:
"Unauthorized access: Client is not allowed to access API"
,
"error.code"
;
"MD022"

```
}
The server encountered an unexpected error that prevented it from fulfilling the request. This may
be due to a server malfunction or a misconfiguration. The response contains details about the
internal server error.
application/json
Schema
Example (from schema)
Schema
result
object[]
Array [
response-code
integer
status
string
message
string
error.code
string
error
string
```

]

```
{
"result"
[
{
"response-code"
500
"status"
"fail"
"message"
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
```

"error.code"
:
"MD031"
,
"error"
:
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
]
}
Loading

## Page Title: retrieve-detailed-information-about-instances-using-monitor-id

Retrieve detailed information about instances using Monitor ID
GET
/query/objects/:id/instances
Call this API to obtain detailed information for each monitor instance.
Request
â€⊂
Path Parameters
id
integer
required
Unique identifier for the monitor. This Monitor ID is required to fetch detailed information about the
corresponding monitor instances. "
Responses
â€⊂
200
400
403
500
The request was successful, and the server has returned the requested monitor instance details
The response contains a JSON object with the monitor instance information.
application/json
Schema
Example (from schema)

result
object[]
Array [
status
string
interface
string
interface.name
string
interface.index
string
interface.address
string
interface.description
string
interface.type
string
interface.bit.type

Schema

```
string
interface.speed.bytes.per.sec
integer
]
{
"result"
[
{
"status"
"up"
"interface"
"g21-21"
"interface.name"
```

<b>:</b>	
"g22"	
,	
"interface.index"	
:	
"22"	
,	
"interface.address"	
1100 04 × 1.46 (0. 171)	
"38:94:ed:1f:f6:d7"	
,	
"interface.description"	
:	
"Slot: 0 Port: 22 Gigabit - Level"	
,	
"interface.type"	
:	
"ethernetCsmacd (6)"	

```
"interface.bit.type"
"1"
"interface.speed.bytes.per.sec"
:
0
}
]
}
The request was invalid. Possible reasons could include missing required parameters or incorrect
parameter values.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
```

```
string
message
string
error.code
string
{
"response-code"
:
400
"status"
"fail"
"message"
:
"Bad request"
```

```
"error.code"
"MD031"
}
The server understood the request, but the client does not have the necessary permissions to
access the resource.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
```

"message"
:
"Unauthorized access: Client is not allowed to access API"
,
"error.code"
:
"MD022"
}
The server encountered an unexpected condition that prevented it from fulfilling the request. This is
a generic error message indicating an internal server error.
application/json
Schema
Example (from schema)
Schema
result
object[]
Array [
response-code
integer
status

```
string
message
string
error.code
string
error
string
]
{
"result"
:
[
{
"response-code"
:
500
"status"
```

:
"fail"
iali
,
"message"
: : : : : : : : : : : : : : : : : : :
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"
:
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}

```
]
```

Loading...

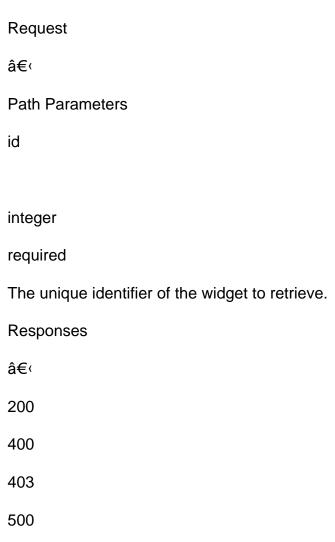
## Page Title: retrieve-details-of-a-specific-widget-like-widget-name-by-its-id

Retrieve details of a specific widget like widget name by its ID.

**GET** 

/visualization/widgets/:id

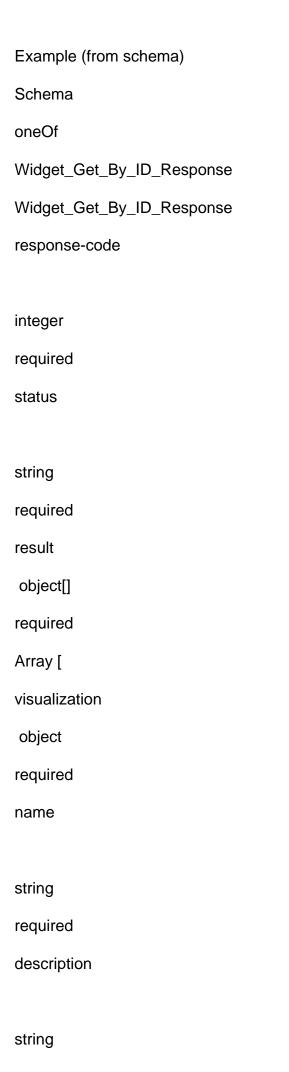
This endpoint retrieves detailed information about a specific widget using its unique ID. The widget details include widget name, description, category, widget timeline details and other relevant data that can be used to identify the widget. This endpoint is useful for users who need to identify the widget for further performance metrics retrieval from the widget.



Successful retrieval of the widget details.

application/json

Schema



required
•
category
string
required
type
string
required
Visualization.timeline
object
relative.timeline
string
properties
object
required
chart
object[]
required
Array [
legend
string
required
label

string
required
]
id
integer
required
]
response-code
integer
required
status
string
required
result
object[]
required
Array [
visualization
object
•
required
required name
required name
·

required

description
string
required
category
string
required
type
string
required
Visualization.timeline
object
relative.timeline
string
properties
object
required
chart
object[]
required
Array [
legend

string

```
required
label
string
required
]
id
integer
required
]
{
}
The request could not be understood or was missing required parameters.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
string
message
string
```

error.code	
string	
{	
"response-code"	
400	
,	
"status"	
"fail"	
,	
"message"	
· · · · · · · · · · · · · · · · · · ·	
"Bad request"	
,	
"error.code"	
: :	

"MD031"

```
}
The user does not have the necessary permissions to access this widget.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
403
"message"
"Unauthorized access: Client is not allowed to access API"
```

```
"error.code"
"MD022"
}
An unexpected error occurred on the server.
application/json
Schema
Example (from schema)
Schema
result
object[]
Array [
response-code
integer
status
string
message
string
error.code
```

string

error	
string	
]	
{	
"result"	
r	
{	
"response-code"	
:	
500	
,	
"status"	
"status"	
"status"	
"status"	
"status" : "fail"	

:

"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
"MD031"
,
"error" .
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
]
}
Loading

## Page Title: retrieve-historical-time-series-data-for-a-single-metric

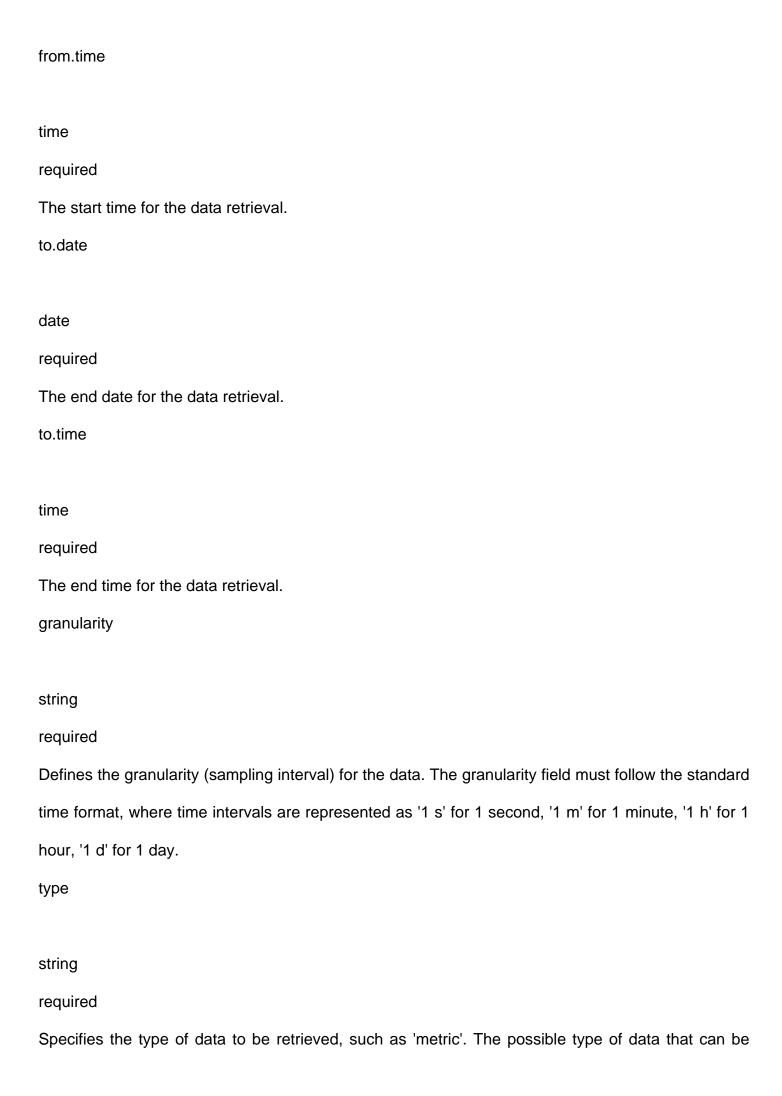
Retrieve historical time-series data for a single metric
POST
/query/metric/histogram
This endpoint retrieves time-series data for a single specified metric over a given timeline. The data
is displayed as a series of data points, each representing a specific moment in time. Users can
specify a metric (e.g.,
system.cpu.percent
), the entity type (e.g.,
monitor
), and a list of specific entities. The data can be aggregated using methods such as
avg
(average) or others based on the user's request. Additionally, the timeline and granularity can be
customized, allowing for detailed insights into both current and historical performance metrics.
Request
â€⊂
application/json
Body
required
queries
object[]
required
A list of queries to retrieve time-series data for a single metric.
Array [
aggregator

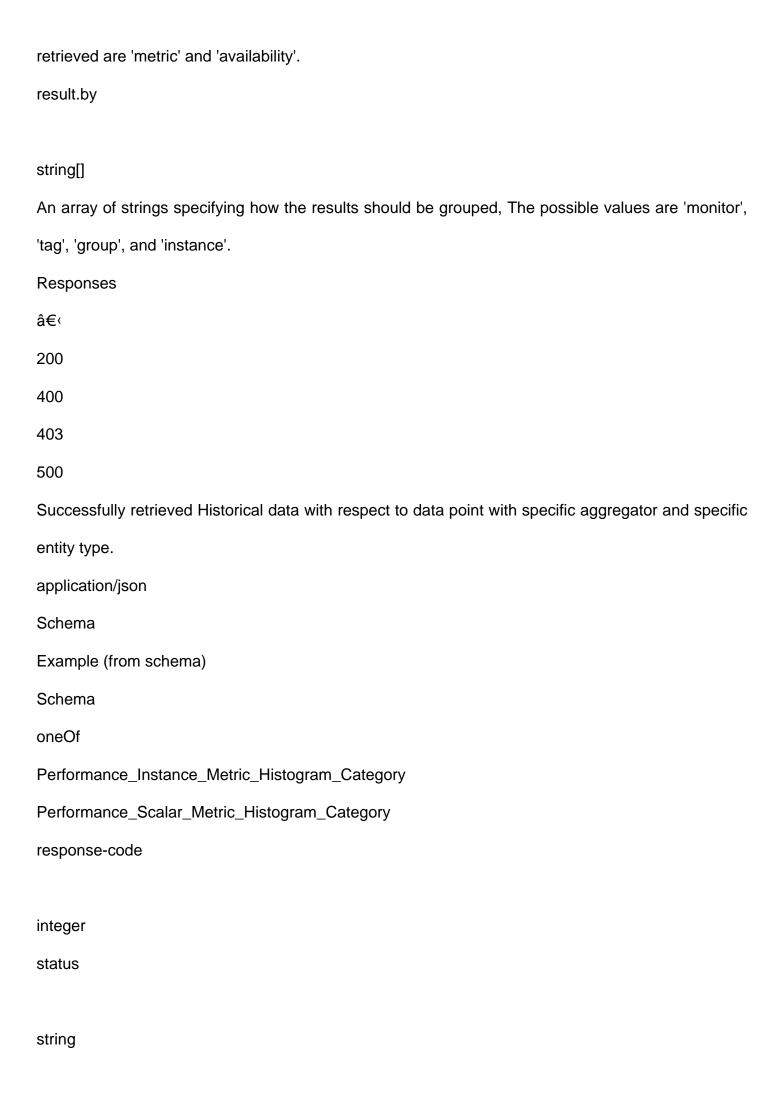
string
required
The method of aggregation for the data points, such as 'avg', 'sum', 'min', 'max', and 'count'
data.point
string
required
The specific metric to query, such as 'system.cpu.percent'. Only one metric can be queried in this
endpoint.
entity.type
string
The type of entity for which data is being retrieved, for example, 'monitor'.
entities
integer[]
The specific entity IDs to query the data for. The ID could be a Monitor ID, Group ID, or a Tag value
based on the 'entity.type' you have selected
]
data.filter
object
Used to filter the data based on specific conditions. Multiple groups of filters can be combined using
logical operators.
groups
object[]
Defines groups of conditions for the pre-filter. Each group consists of multiple conditions that can be

combined with a logical operator. You can add a maximum of 3 groups at once.
Array [
conditions
object[]
List of individual conditions within the group. Each condition specifies a field, an operator, and a
value. You can add a maximum of 3 conditions at once.
Array [
operand
string
The field to apply the condition on, such as a metric.
operator
string
The comparison operator used for filtering. For string values, the possible values are 'in', 'start with',
'end with', '=', and 'contain'. For integer values, the possible values are '=', '>', '>=', '<', '<='
value
string
The value to compare the operand against.
1
filter
string
Defines whether this group is an inclusion or exclusion filter. The possible values are 'include' and
'exclude'.
operator

string
Logical operator to combine conditions within the group. The possible values are 'and' and 'or'.
1
filter
string
Defines whether the overall pre-filter is an inclusion or exclusion filter. The possible values are
'include' and 'exclude'.
operator
string
Logical operator to combine all groups in the pre-filter. The possible values are 'and' and 'or'.
result.filter
object
Specifies the post-filters applied to the time-series results. This attribute allows users to refine the
output by including or excluding results based on defined conditions.
conditions
object[]
List of conditions to filter the time-series results. Each condition specifies a field, an operator, and a
value. You can add a maximum of 3 conditions at once.
Array [
operand
string
The field to apply the condition on, such as a metric.
operator

string
The comparison operator used for filtering. For string values, the possible values are 'in', 'start with',
'end with', '=', and 'contain'. For integer values, the possible values are '=', '>', '>=', '<', '<='
value
integer
The value to compare the operand against.
1
filter
string
Defines whether the post-filter is an inclusion or exclusion filter. The possible values are 'include'
and 'exclude'.
operator
string
Logical operator to combine all conditions in the post-filter. The possible values are 'and' and 'or'.
timeline
object
required
Defines the time range for the data being retrieved. This includes the start and end dates and times.
from.date
date
required
The start date for the data retrieval





result	
object[]	
Array [	
monitor	
string	
object.ip	
string	
id	
number	
object.id	
integer	
metric	
string	
aggregator	
atring	
value	
value	
integer	
Timestamp	
····	
number	

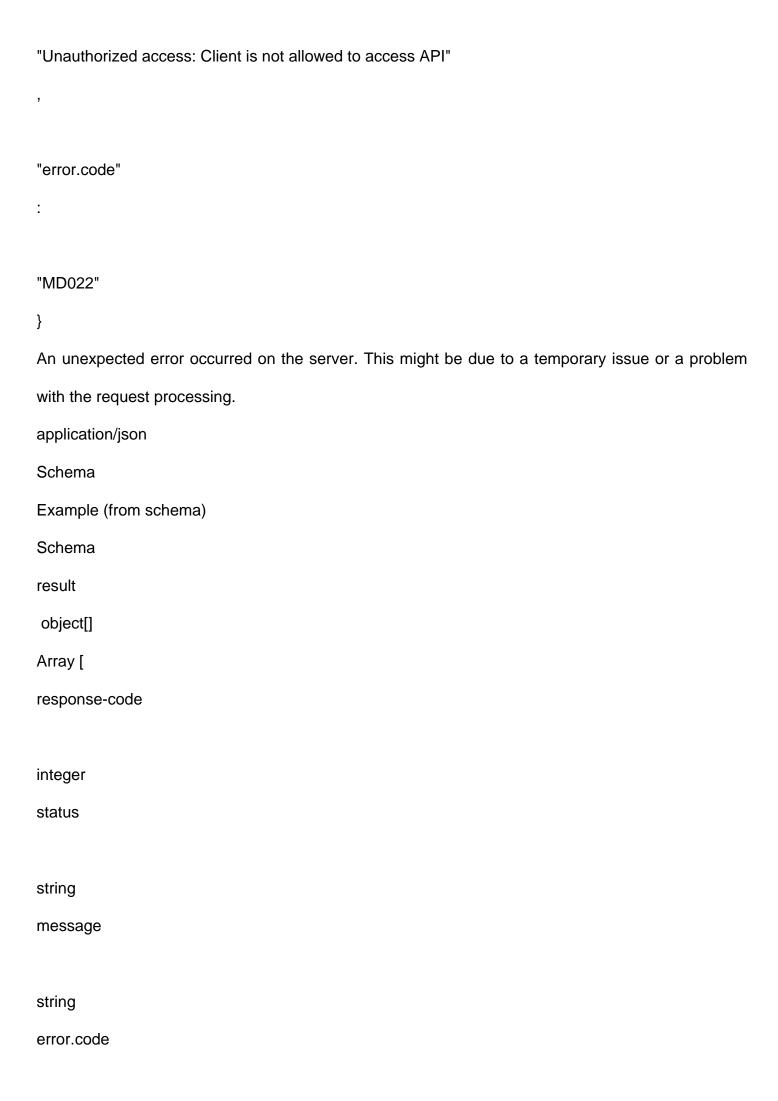
response-code
integer
status
string
result
object[]
Array [
monitor
string
instance.name
string
metric
string
aggregator
string
value
integer
object.ip

]

string
id
number
object.id
integer
Timestamp
integer
]
{
}
The request was invalid. Possible reasons could include missing required parameters or incorrect
parameter values.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
string
message

string	
error.code	
string	
{	
"response-code"	
:	
400	
,	
"status"	
:	
"fail"	
,	
"message"	
:	
"Bad request"	
,	
"error.code"	
:	

```
"MD031"
}
The client is not authorized to access this resource. Ensure that the correct permissions are granted.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
403
"message"
```



```
string
error
string
]
{
"result"
:
[
{
"response-code"
:
500
"status"
"fail"
```

"message"
:
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
]
}
Loading

## Retrieve Monitor Details by Filter **GET** /query/objects/ Call this API to get the details of monitors based on specific filters. The filter parameter must be provided in the guery to filter and retrieve monitors that match the specified criteria. Request â€∢ **Query Parameters** filter object required The filter is an object that contains key-value pairs to filter monitors by specific criteria. The key indicates what attribute to filter by (e.g. object type) and the value provides the acceptable values for that attribute. Responses â€⊂ 200 400 403 500 Successful response. The request was successful, and the details of the monitors matching the

Page Title: retrieve-monitor-details-by-filter

application/json
Schema
Example (from schema)
Schema
result
object[]
Array [
d
nteger
object.target
string
object.ip
string
object.host
string
object.name
string
object.system.oid
string
object.type

specified filters were returned.

string
object.discovery.method
string
object.state
string
object.category
string
remote.address
string
user.name
string
object.creation.time
string
object.creation.time.seconds
integer
object.business.hour.profile
integer
object.id

integer
object.groups
integer[]
object.snmp.device.catalog
integer
object.make.model
string
object.context
object
ping.check.status
string
port
integer
snmp.check.retries
integer
interface.discovery
string
topology.plugin.discovery

```
string
object.vendor
string
]
{
"result"
[
{
"id"
:
48159328544
"object.target"
:
"172.16.8.2"
"object.ip"
```

"172.16.8.2"	
,	
"object.host"	
: :	
"cisco_core.motadata.local"	
,	
"object.name"	
· ·	
"cisco_core.motadata.local"	
,	
"object.system.oid"	
: :	
".1.3.6.1.4.1.9.1.2494"	
,	
"object.type"	
:	
"Switch"	

"object.discovery.method"	
:	
"REMOTE"	
,	
"object.state"	
:	
"ENABLE"	
,	
"object.category"	
:	
"Network"	
,	
"remote.address"	
:	
•	
"127.0.0.1"	
,	
"user.name"	

"admin"	
,	
"object.creation.time"	
:	
"2024/07/11 15:21:18"	
,	
"object.creation.time.seconds"	
:	
1720691478	
,	
"object.business.hour.profile"	
:	
100000000001	
,	
"object.id"	
:	

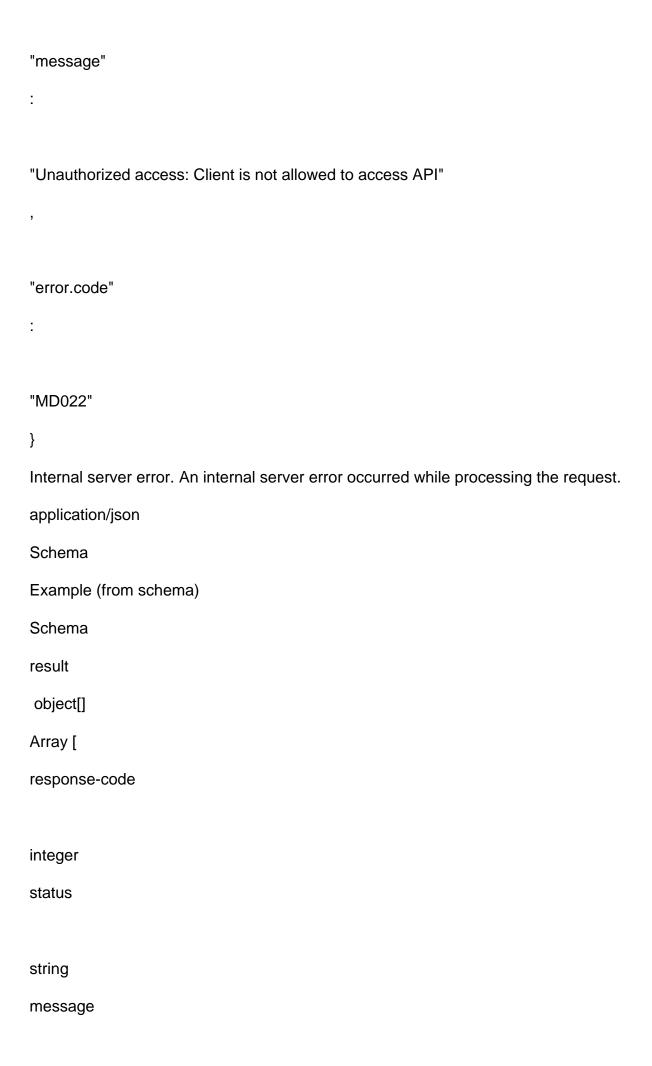
```
"object.groups"
[
10000000000002
]
"object.snmp.device.catalog"
:
1000000011869
"object.make.model"
"Cisco Catalyst 93xx Switch Stack"
"object.context"
```

```
{
"ping.check.status"
"yes"
"port"
161
"snmp.check.retries"
2
"interface.discovery"
"yes"
"topology.plugin.discovery"
```

```
"yes"
}
"object.vendor"
"Cisco Systems"
}
]
The request was invalid. Possible reasons could include missing required parameters or incorrect
parameter values.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
```

```
string
message
string
error.code
string
{
"response-code"
:
400
"status"
"fail"
"message"
"Bad request"
```

```
"error.code"
"MD031"
}
Request Forbidden. The request was forbidden. The client does not have permission to access this
resource.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
:
403
```



```
string
error.code
string
error
string
]
{
"result"
[
{
"response-code"
:
500
"status"
```

"fail"
,
"message"
:
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
"MD031"
,
"error"
:
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
]

}

Loading...

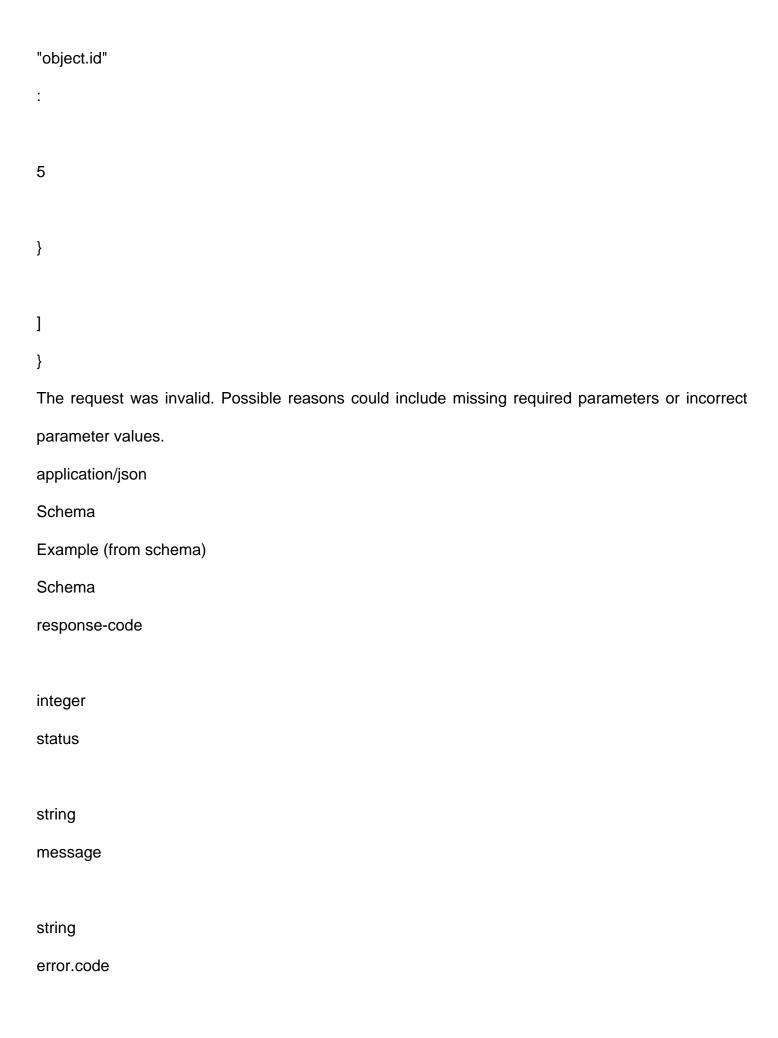
## Retrieve Monitor Details by Status **GET** /query/objects/status Call this API to get the details of monitors based on their status. The status parameter must be provided in the guery to filter and retrieve the monitors that match the specified status. Request â€∢ **Query Parameters** status string required The status of the monitor that you want to filter by. This parameter is required to retrieve the details of monitors that match the provided status. The possible values for status are as follows: 'Up, 'Down', 'Unreachable', 'Maintenance', 'Disable', and 'Unknown'. Responses â€∢ 200 400 403 500 Successful response. The request was successful and the details of the monitors matching the specified status were returned. application/json

Page Title: retrieve-monitor-details-by-status

Example (from schema)	
Schema	
result	
object[]	
Array [	
id	
integer	
object.name	
integer	
status	
string	
object.ip	
string	
object.id	
integer	
]	
<b>.</b> {	
•	
"result"	
:	

Schema

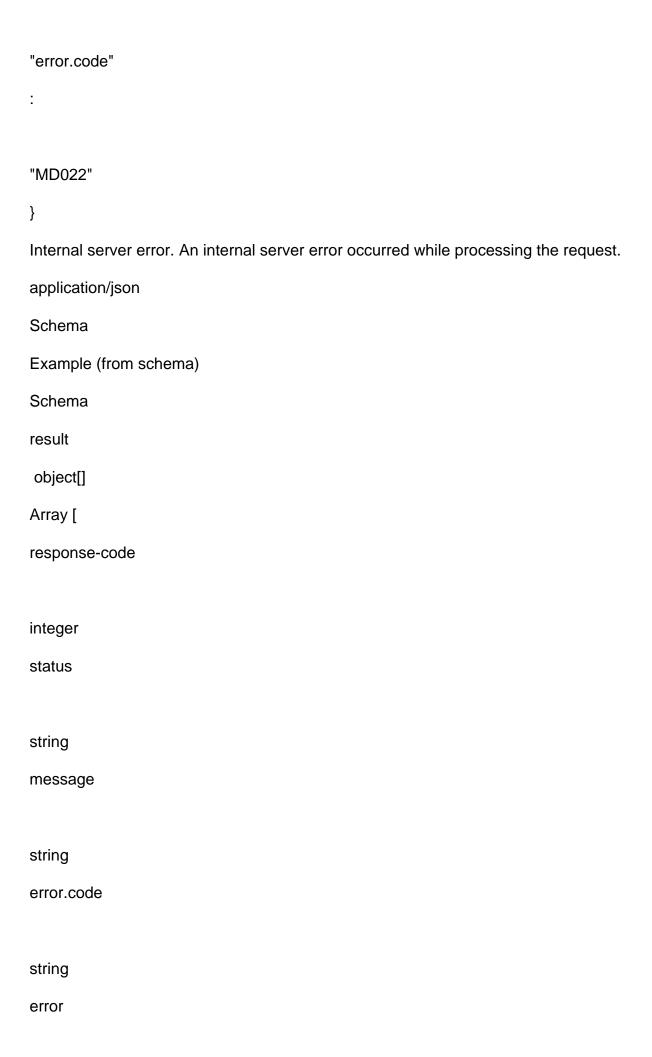
```
[
{
"id"
1722858880
"object.name"
"core.switch"
"status"
"up"
"object.ip"
"172.16.15.15"
```



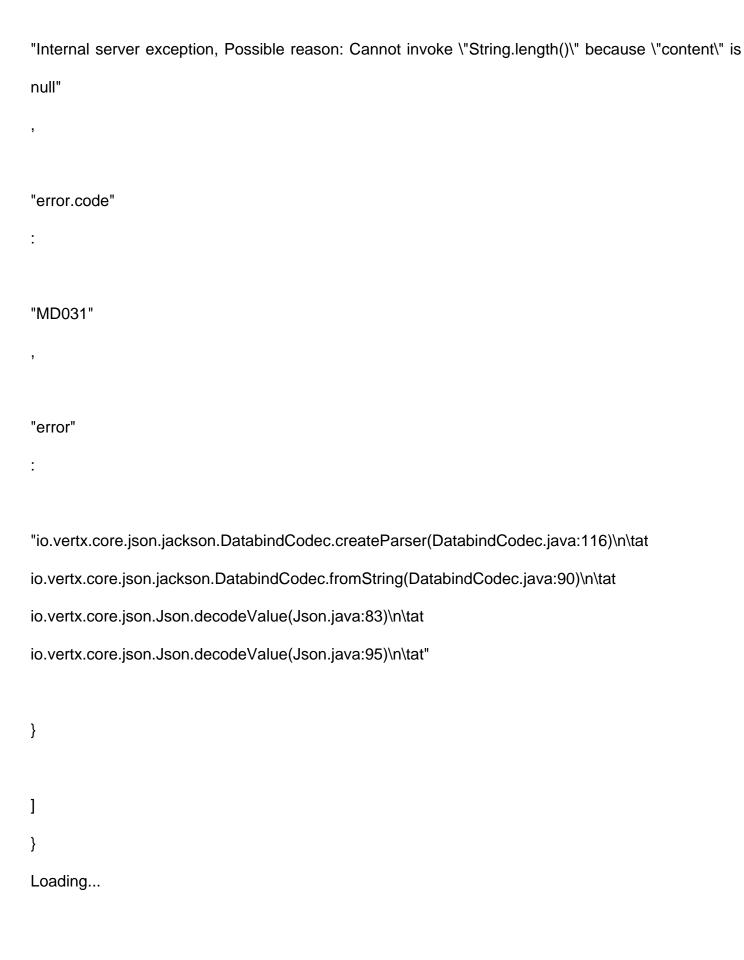
```
string
{
"response-code"
400
"status"
"fail"
"message"
"Bad request"
"error.code"
"MD031"
}
Request Forbidden. The request was forbidden. The client does not have permission to access this
```

resource.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
403
,
"message"
:
"Unauthorized access: Client is not allowed to access API"

,

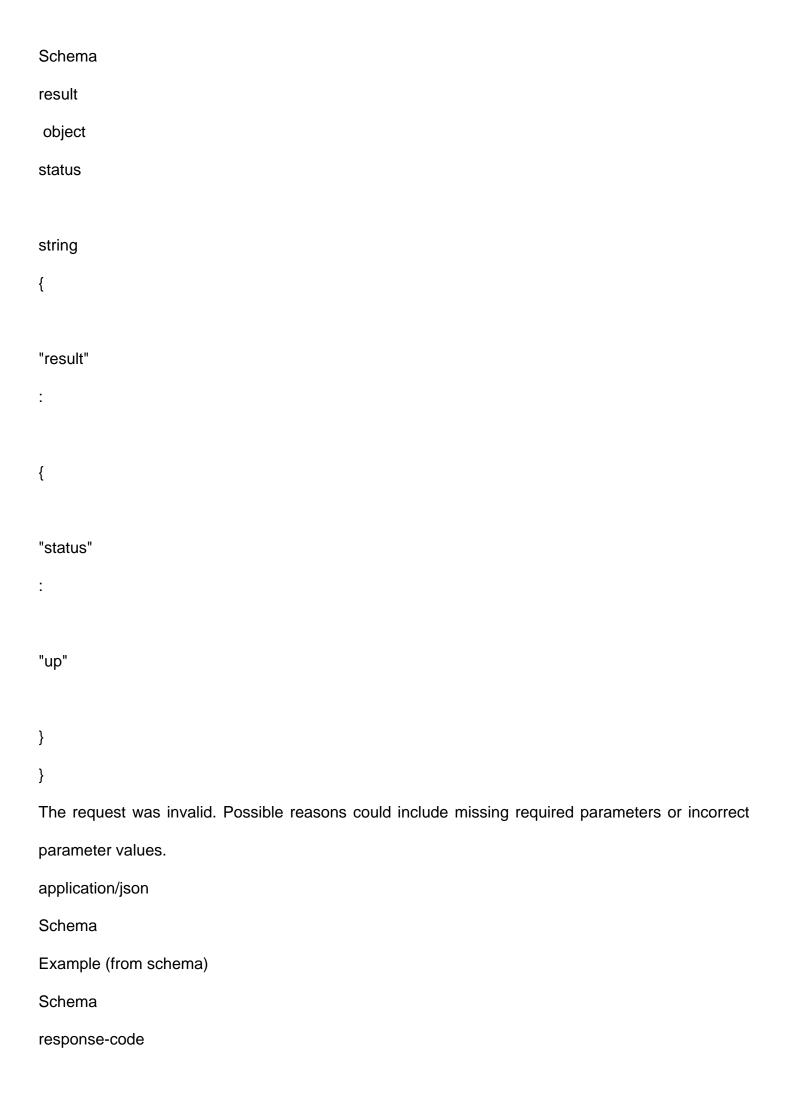


```
string
]
{
"result"
[
{
"response-code"
:
500
"status"
:
"fail"
"message"
```



## Page Title: retrieve-monitor-status-using-monitor-id

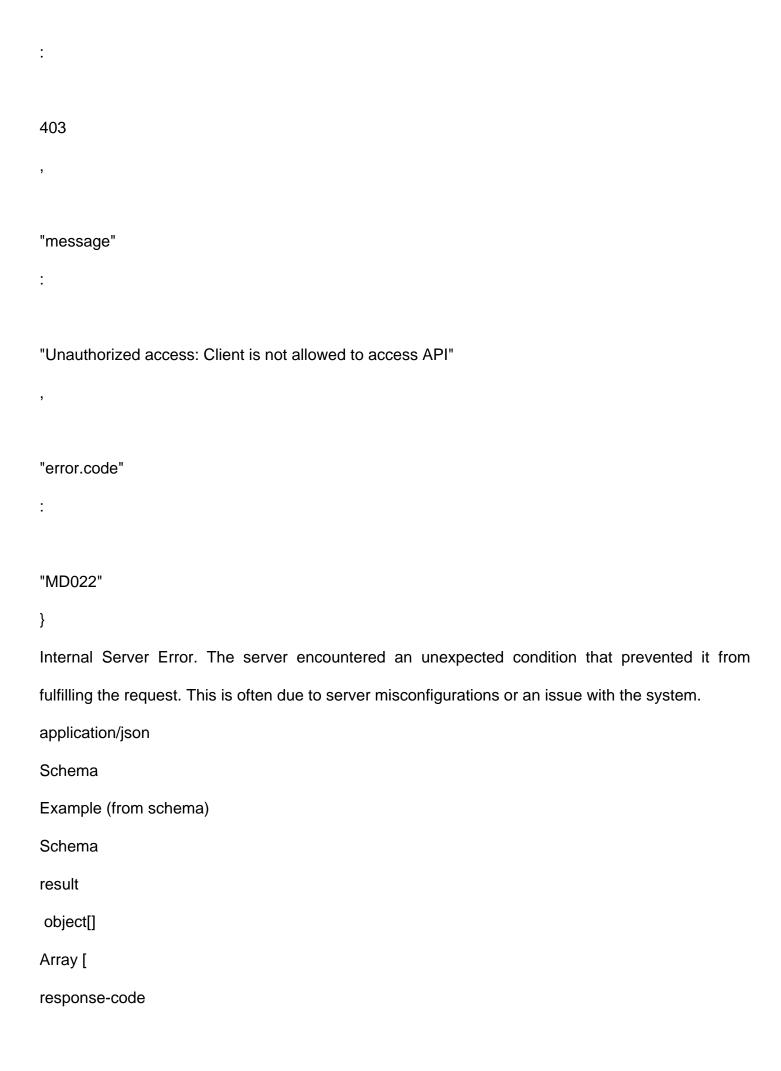
Retrieve monitor status using Monitor ID
GET
/query/objects/:id/status
Call this API to obtain the status of each monitor by providing the Monitor ID.
Request
â€⊂
Path Parameters
id
integer
required
Unique identifier for the monitor. This Monitor ID is required to fetch the corresponding status of the
the monitor.
Responses
â€⊂
200
400
403
500
Successful response. The request was processed successfully, and the status of the specified
monitor is returned in the response body.
application/json
Schema
Example (from schema)



integer	
status	
otatao	
string	
message	
string	
error.code	
string	
{	
"response-code"	
:	
400	
,	
"status"	
:	
"fail"	
,	
"message"	

:

```
"Bad request"
"error.code"
"MD031"
}
Request Forbidden. The client does not have the necessary permissions to access this resource.
This may occur if the API key or token lacks the required permissions.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
```



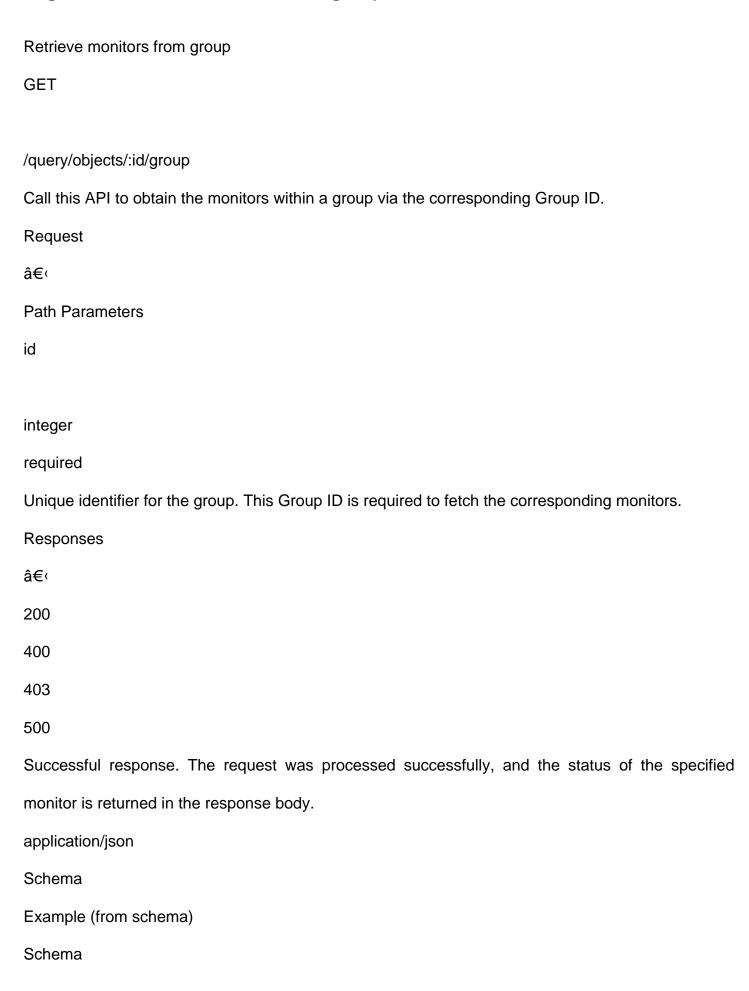
```
integer
status
string
message
string
error.code
string
error
string
]
{
"result"
[
{
"response-code"
```

,
"status"
"fail"
,
"message"
:
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat

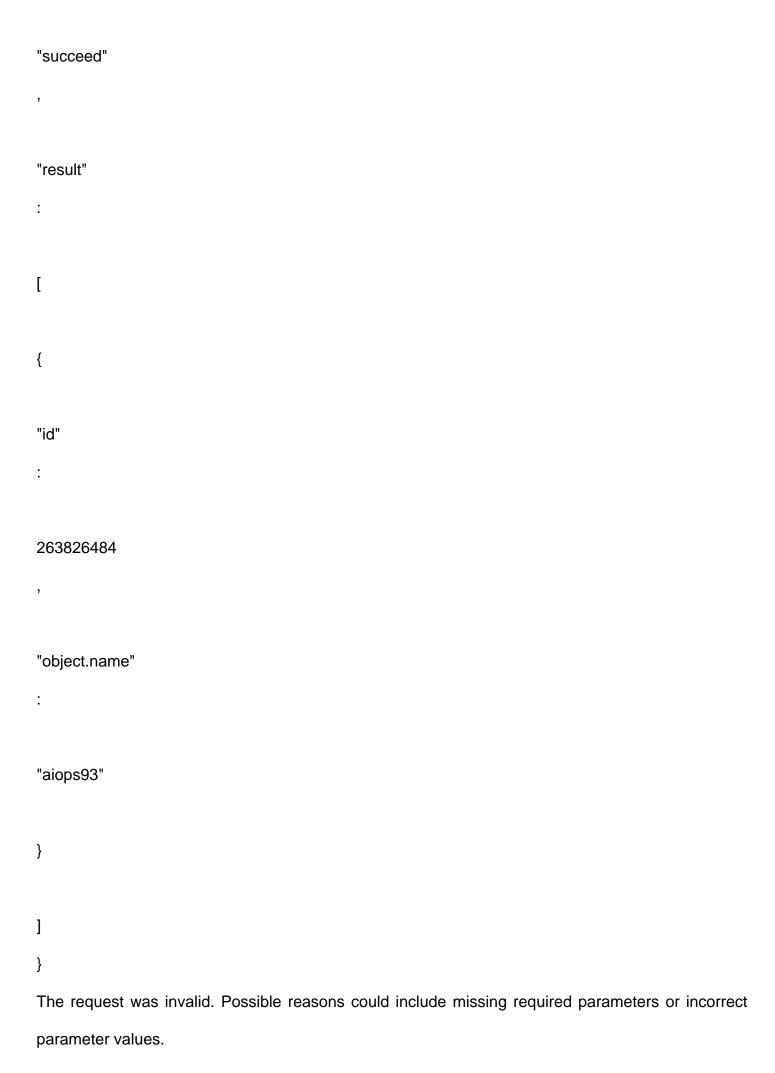
 $io.vertx.core.json.Json.decode Value (Json.java: 83) \verb|\| \| tat$ 

$io.vertx.core.json.Json.decode Value (Json.java: 95) \verb \n\tat  $
}
1
1
}
Loading

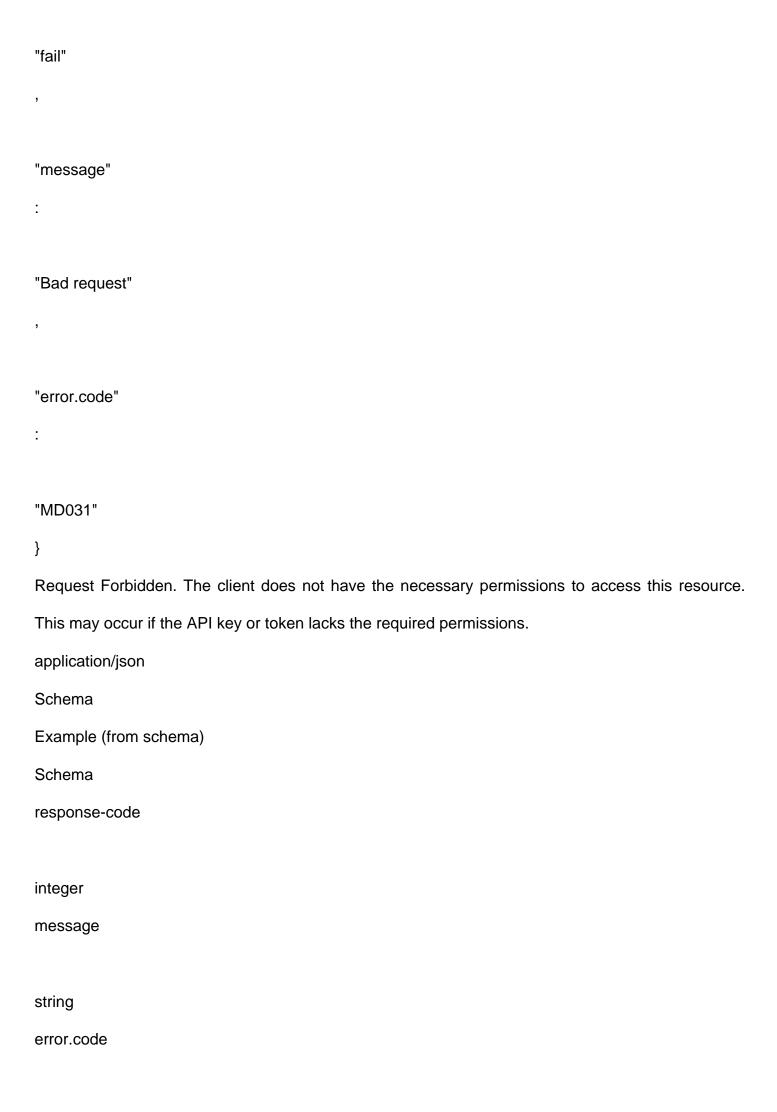
## Page Title: retrieve-monitors-from-group



response-code			
integer			
status			
otrin a			
string			
result			
object[]			
Array [			
id			
integer			
object.name			
string			
]			
{			
"response-code"			
:			
200			
,			
"status"			
:			



```
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
string
message
string
error.code
string
{
"response-code"
:
400
"status"
```



```
string
{
"response-code"
403
"message"
"Unauthorized access: Client is not allowed to access API"
"error.code"
"MD022"
}
Internal Server Error. The server encountered an unexpected condition that prevented it from
fulfilling the request. This is often due to server misconfigurations or an issue with the system.
application/json
Schema
Example (from schema)
Schema
```

```
result
object[]
Array [
response-code
integer
status
string
message
string
error.code
string
error
string
]
{
"result"
[
{
```

"response-code"
:
500
,
"status"
<u>:</u>
"fail"
,
"message"
<u>:</u>
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"

:

 $\label{lem:core.json.jackson.DatabindCodec.createParser (DatabindCodec.java:116) \n\tatio.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90) \n\tatio.vertx.core.json.Json.decodeValue(Json.java:83) \n\tatio.vertx.core.json.Json.decodeValue(Json.java:95) \n\tatio.vertx.core.json.decodeValue(Json.java:95) \n\tatio.ver$ 

]

Loading...

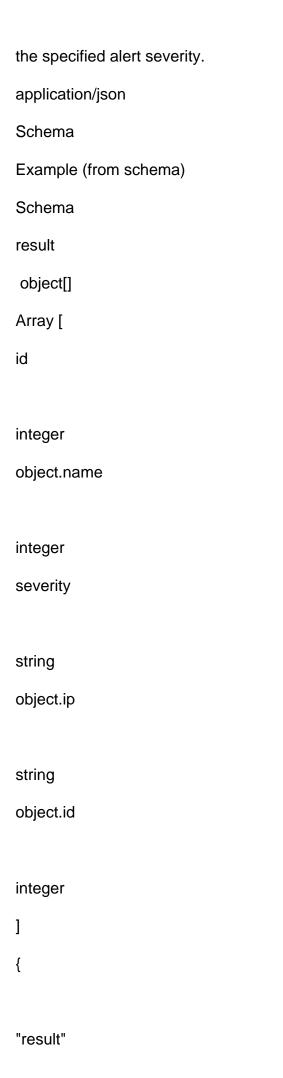
## Page Title: retrieve-monitors-with-specific-alert-severity Retrieve monitors with specific alert severity **GET** /query/objects/severity Call this API to obtain a list of monitors that have alerts matching the severity level specified in the severity parameter. Request â€∢ **Query Parameters** severity string required Specifies the severity of alerts to filter the list of monitors. Only monitors with alerts matching the provided severity will be returned. Valid values include the various alert's severity levels. The possible values for severity are as follows: 'Clear', 'Major', 'Warning', 'Critical', 'Down', and 'Unreachable' Responses â€⊂ 200

Successful response. The request was successful and the response contains a list of monitors with

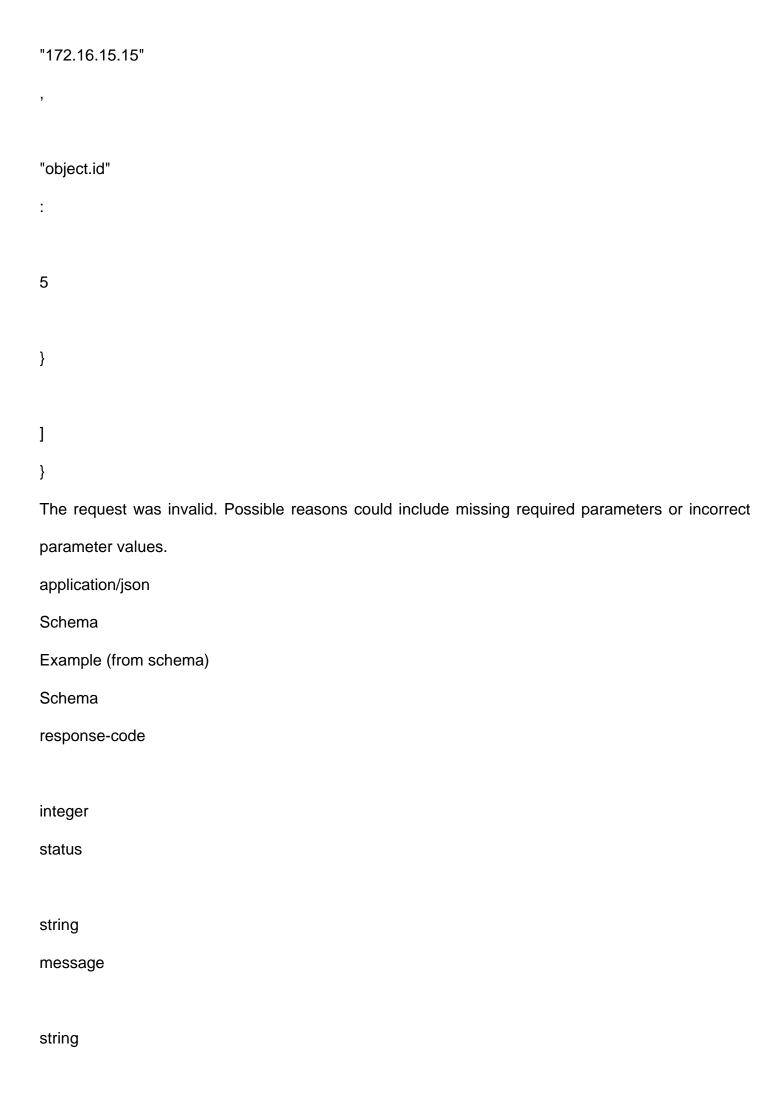
400

403

500



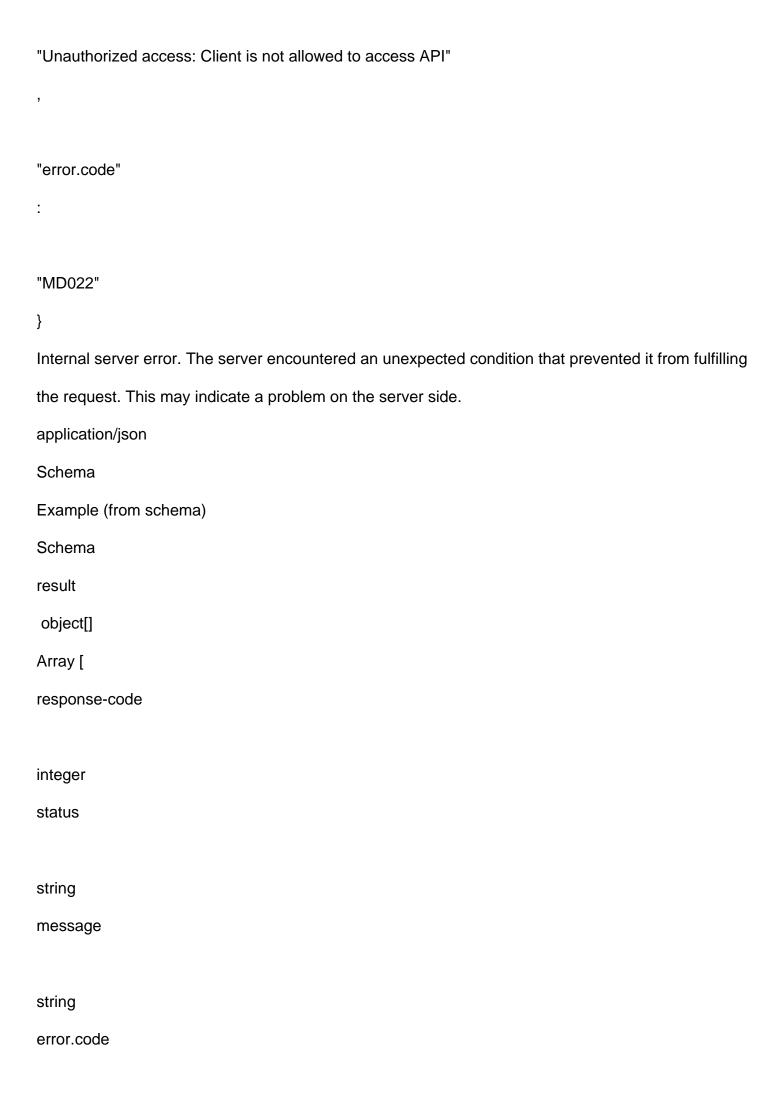
:	
[	
{	
"id"	
:	
1722858880	
,	
"object.name"	
:	
"core.switch"	
,	
"severity"	
:	
"clear"	
,	
"object.ip"	
:	



error.code	
string	
{	
"response-code"	
400	
,	
"status"	
"fail"	
,	
"message"	
· · · · · · · · · · · · · · · · · · ·	
"Bad request"	
,	
"error.code"	
: :	

"MD031"

```
}
Request Forbidden. The client does not have permission to access this resource. This could be due
to insufficient privileges.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
403
"message"
```



```
string
error
string
]
{
"result"
:
[
{
"response-code"
:
500
"status"
"fail"
```

"message"
:
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
]
}
Loading

## Page Title: retrieve-performance-metrics-information-based-on-widget-id Retrieve Performance Metrics Information Based on Widget ID **GET** /query/visualization/:id Call this API to retrieve the Key Performance Indicators (KPIs) for a specific widget. The id parameter must be provided to specify the widget of a dashboard for which you want to retrieve the KPIs. Request â€∢ Path Parameters id integer required Unique identifier for the widget. This widget ID is required to fetch the corresponding performance metrics and their values from the widgets. **Query Parameters**

string

discard.dummy.rows

Indicates whether to discard rows with dummy values in the performance metrics. The default value is `yes'. You can leave this unchanged.

Responses

â€∢

200
400
403
408
500
Successful response. The request was successful, and the performance metrics for the specified
widget ID were returned. The response schema will vary depending on the type of counter (Scalar or
Instance).
application/json
Schema
Example (from schema)
Schema
oneOf
Performance_Metrics_Details_Scalar_Counter_Response_By_Widget_ID
Performance_Metrics_Details_Instance_Counter_Response_By_Widget_ID
response-code
integer
status
string
result
object[]
Array [
monitor
string

integer	
object.ip	
string	
object.id	
integer	
id	
number	
]	
response-code	
integer	
status	
string	
result	
object[]	
Array [	
monitor	
string	
interface	

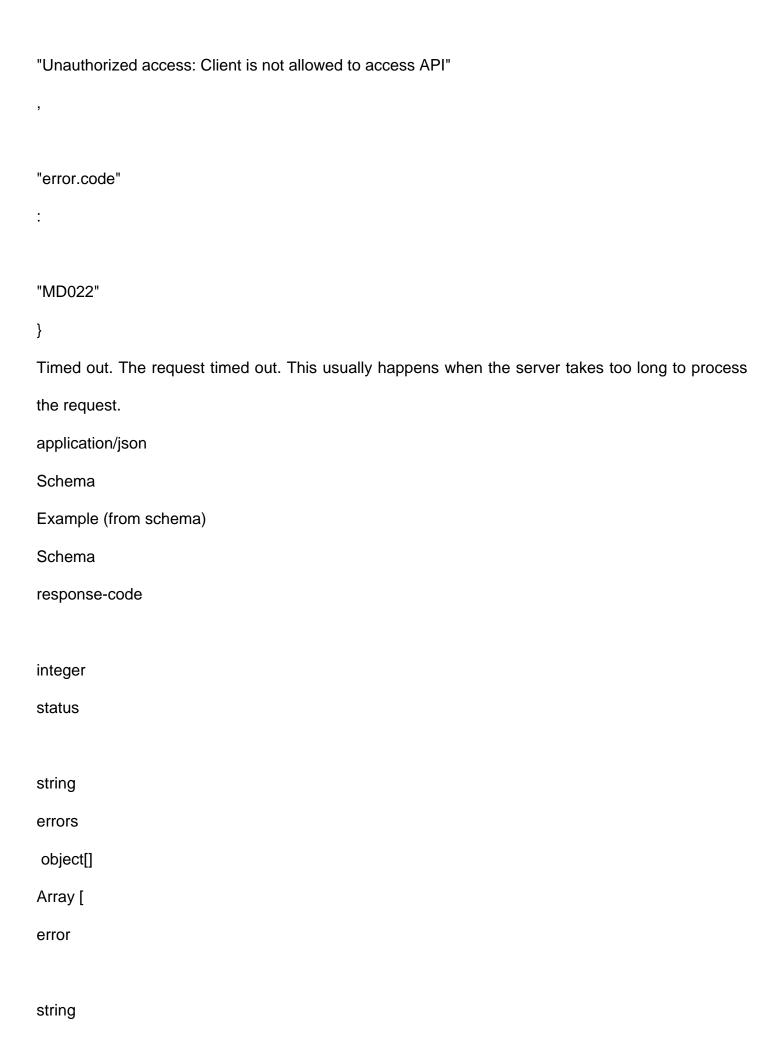
system.cpu.percent^max

string
interface~sent.discard.packets^last
integer
object.ip
string
object.id
integer
id
number
1
{
}
Bad request. The request was malformed or contains invalid parameters. The client should correct
the request and try again.
application/json
Schema
Example (from schema)
Schema
response-code
integer
status

```
string
errors
object[]
Array [
error
string
error.code
string
message
string
]
{
"response-code"
:
400
"status"
:
"fail"
```

l"
l"

```
]
}
Request Forbidden. The request was forbidden. The client does not have permission to access this
resource.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
403
"message"
```



```
error.code
string
message
string
]
{
"response-code"
:
408
"status"
"timeout"
"errors"
[
```

{

"error"
:
"Timed out"
,
"error.code"
:
"MD004"
,
"message"
"Timed out"
}
•
}
Internal server error. An internal server error occurred while processing the request.
application/json
Schema  Evample (from schema)
Example (from schema) Schema
Schema

```
result
object[]
Array [
response-code
integer
status
string
message
string
error.code
string
error
string
]
{
"result"
[
{
```

"response-code"
:
500
,
"status"
<u>:</u>
"fail"
,
"message"
<u>:</u>
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
,
"error.code"
:
"MD031"
,
"error"

:

 $\label{lem:core.json.jackson.DatabindCodec.createParser (DatabindCodec.java:116) \n\tatio.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90) \n\tatio.vertx.core.json.Json.decodeValue(Json.java:83) \n\tatio.vertx.core.json.Json.decodeValue(Json.java:95) \n\tatio.vertx.core.json.decodeValue(Json.java:95) \n\tatio.ver$ 

]

Loading...

## Page Title: retrieve-the-last-poll-information-for-a-monitor Retrieve the Last Poll Information for a Monitor **GET** /query/objects/:id/poll-info Call this API to obtain the last poll information for a specific monitor, including details about the metric group. The Monitor ID must be provided to fetch the corresponding poll information. Request â€∢ Path Parameters id integer required The unique identifier for the monitor. This Monitor ID is necessary to retrieve the last poll information and associated metric group details. Responses â€⊂ 200 400 403

Successful response. The request was successful, and the last poll information for the specified monitor was returned.

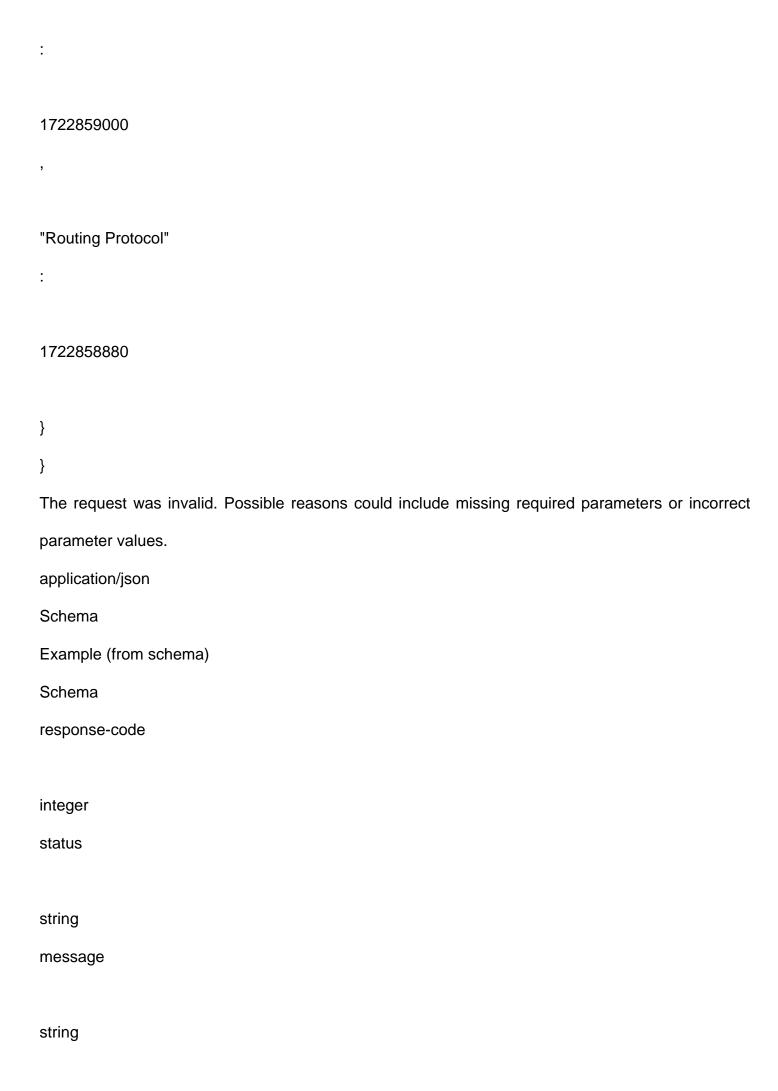
application/json

Schema

500

Example (from schema)
Schema
result
object
Availability
integer
Network Interface
integer
Routing Protocol
integer
{
"result"
:
{
"Availability"
"Availability"
1722858880
,

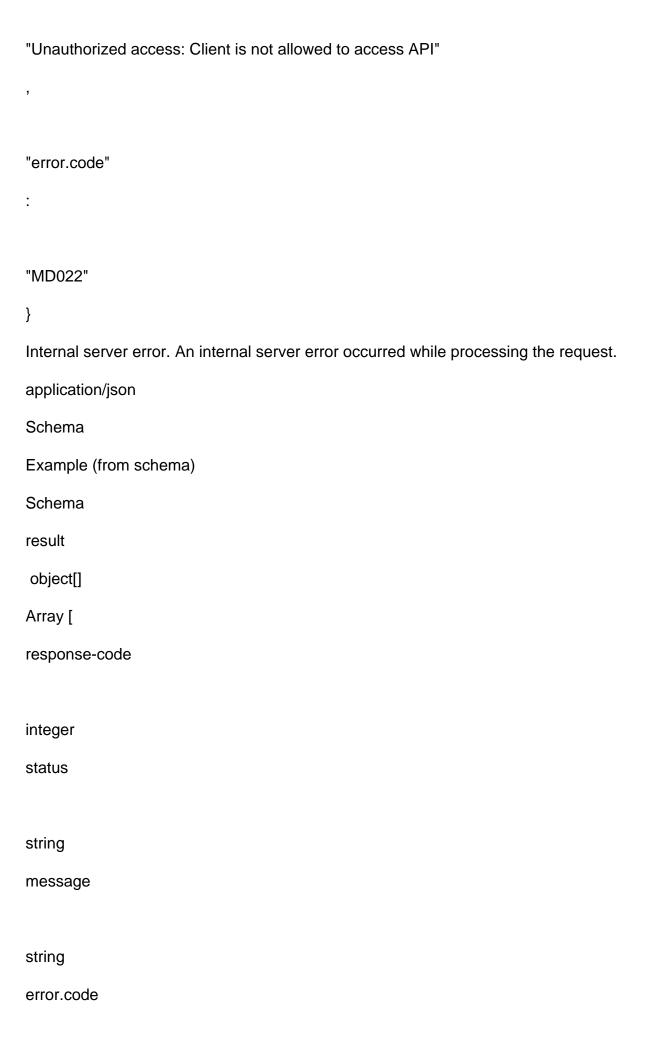
"Network Interface"



error.code	
string	
{	
"response-code"	
400	
,	
"status"	
"fail"	
,	
"message"	
· · · · · · · · · · · · · · · · · · ·	
"Bad request"	
,	
"error.code"	
: :	

"MD031"

```
}
Request Forbidden. The request was forbidden. The client does not have permission to access this
resource.
application/json
Schema
Example (from schema)
Schema
response-code
integer
message
string
error.code
string
{
"response-code"
403
"message"
```



```
string
error
string
]
{
"result"
[
{
"response-code"
:
500
"status"
:
"fail"
"message"
```

Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
'error.code"
'MD031"
'error"
io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
o.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90)\n\tat
o.vertx.core.json.Json.decodeValue(Json.java:83)\n\tat
o.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
_oading

## Page Title: retrieve-widgets-from-a-specific-dashboard Retrieve Widgets from a Specific Dashboard **GET** /visualization/dashboards/:id This endpoint retrieves all widgets associated with a specific dashboard, identified by its unique dashboard ID. The response includes the widget IDs and details of each widget within the dashboard, allowing for subsequent metric retrieval operations on individual widgets. Request â€∢ Path Parameters id integer required The unique ID of the dashboard for which the widgets need to be retrieved. Responses â€∢ 200

Successfully retrieved the list of widgets for the specified dashboard

400

403

500

application/json

Example (from schema)

Schema

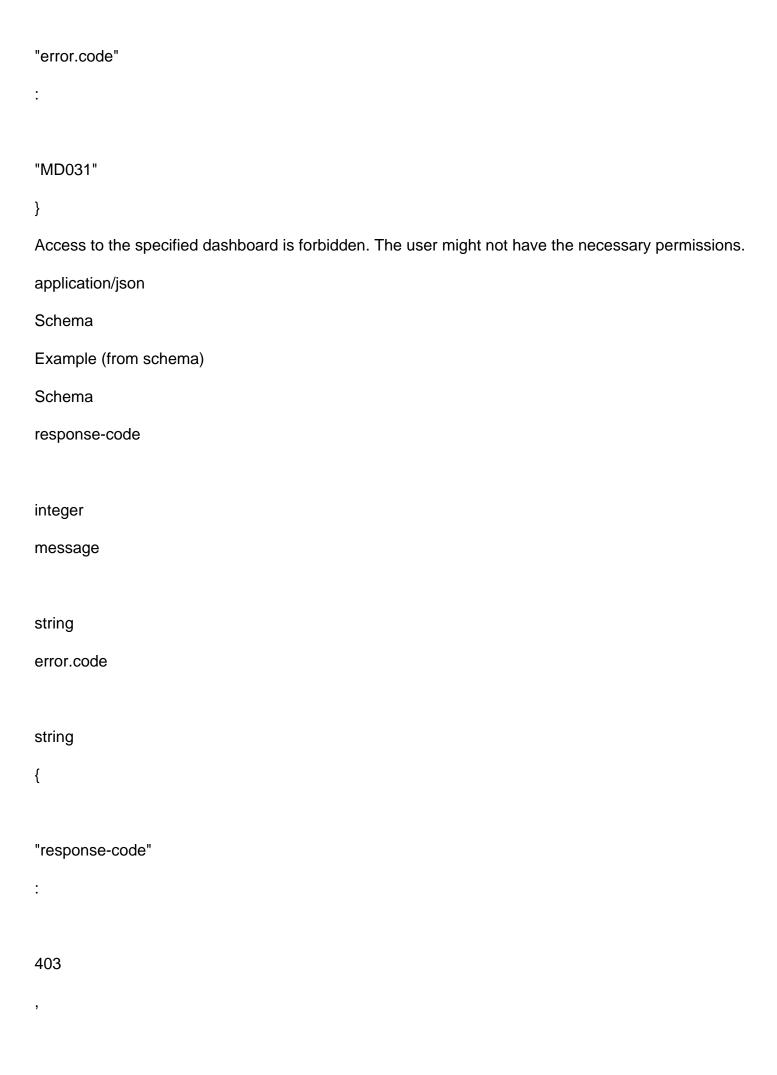
Schema
oneOf
Dashboard_Get_By_ID_Response
Dashboard_Get_By_ID_Response
response-code
integer
status
string
result
object[]
Array [
dashboard.name
string
dashboard.category
string
dashboard.access.type
string
dashboard.users
integer[]
dashboard.context
object

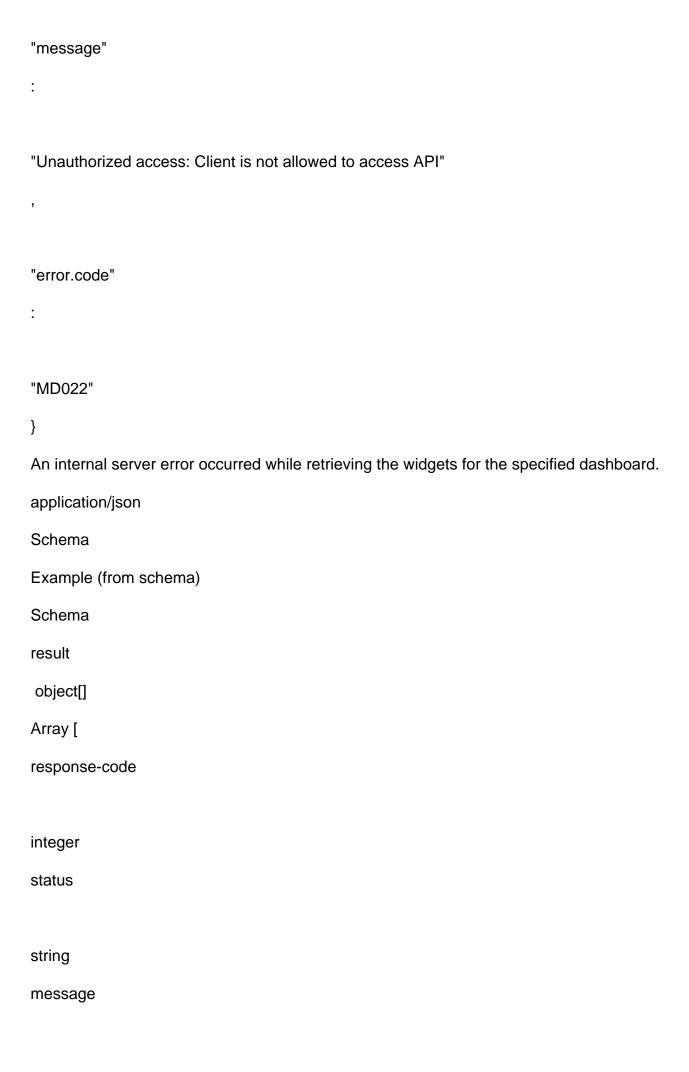
dashboard.widgets
object[]
Array [
id
integer
x
integer
у
integer
h
integer
w
integer
]
id
integer
]
response-code
integer
status

string
result
object[]
Array [
dashboard.name
string
dashboard.category
string
dashboard.access.type
string
dashboard.users
integer[]
dashboard.context
object
dashboard.widgets
object[]
Array [
id
integer
X

```
integer
У
integer
h
integer
w
integer
]
id
integer
]
{
}
Invalid dashboard ID provided. Please check the ID and try again
application/json
Schema
Example (from schema)
Schema
response-code
integer
status
```

```
string
message
string
error.code
string
{
"response-code"
:
400
"status"
"fail"
"message"
"Bad request"
```





```
string
error.code
string
error
string
]
{
"result"
:
[
{
"response-code"
500
"status"
"fail"
```

```
"message"
"Internal server exception, Possible reason: Cannot invoke \"String.length()\" because \"content\" is
null"
"error.code"
 "MD031"
"error"
"io.vertx.core.json.jackson.DatabindCodec.createParser(DatabindCodec.java:116)\n\tat
io.vertx.core.json.jackson.DatabindCodec.fromString(DatabindCodec.java:90) \verb|\ntat| at the context of the con
io.vertx.core.json.Json.decode Value (Json.java: 83) \verb|\| h | tat
io.vertx.core.json.Json.decodeValue(Json.java:95)\n\tat"
}
]
}
```

