

API v2 Initial Documentation

Authentication

API Tokens as described here: https://circonus.com/resources/api/authentication#api_tokens

Additionally you may use HTTP basic auth, username is the API token app name and password is the token itself.

Common call methods

POST	/<endpoint>	Create a new resource for <endpoint>
PUT	/<endpoint>/<id>	Edit a resource identified by <id>
DELETE	/<endpoint>/<id>	Delete a resource identified by <id>
GET	/<endpoint>	Get a list of all resources for <endpoint>
GET	/<endpoint>/<id>	Get description of the resource identified by <id>

Common attributes

Various keys in the resource definitions will begin with an underscore “_”, these values are informational only and not directly modifiable via the API. Examples of such keys (these will not exist on all resources):

_cid	The ID of the resource in the API (/check_bundle/1)
_last_modified_by	The user that last modified this resource (/user/5)
_last_modified_on	The timestamp (epoch) this resource was last modified

Rate Limit

Currently there is no rate limiting, though that may or may not change for the SaaS product after beta. Anyone hitting the rate limit will be returned an HTTP 429 and should wait 1 second and retry their request.

Endpoints

https://api.circonus.com/v2/check_bundle

<id> - The check bundle ID (integer)

Format:

```
{
  "type": "http",
  "target": "www.example.com",
  "timeout": 10,
  "period": 60,
  "display_name": "example HTTP check",
  "brokers": [
    <broker id>
  ],
  "metrics": [
    {
      "type": "text",
      "name": "code"
    },
    {
      "type": "numeric",
      "name": "duration"
    }
  ],
  "config": {
    "header_Host": "www.example.com",
    "method": "GET",
    "url": "http://www.example.com"
  }
}
```

<https://api.circonus.com/v2/ruleset>

<id> - The combination of the <check_id>_<metric_name> (int_str)

Format:

```
{
  "contact_groups":
  {
    "1": []
    /
    "2": []
    /
    "3": []
    /
    "4":
    [
      <contact_group id>
    ]
    /
    "5": []
  }
  /
  "derive": null,
  "link": "",
  "metric_name": "cpu_used",
  "metric_type": "numeric",
  "notes": "This is a test alert metric",
  "parent": null,
  "rules":
  [
    {
      "criteria": "max value",
      "severity": 4,
      "value": "80",
      "wait": 0
    }
  ]
}
```

<https://api.circonus.com/v2/graph>

<id> - UUID of the graph

Format:

```
{
  "datapoints":
  [
    {
      "axis": "1",
      "check_id": "<check id>",
      "color": "#4a00dc",
      "data_formula": null,
      "derive": "gauge",
      "hidden": false,
      "legend_formula": null,
      "metric_name": "msgs_sec",
      "metric_type": "numeric",
      "name": "msgs/sec",
      "stack": null
    }
  ],
  "guides":
  [
    {
      "color": "#33aa33",
      "data_formula": "2",
      "hidden": false,
      "legend_formula": "2",
      "name": "Guide 1"
    }
  ],
  "max_left_y": null,
  "max_right_y": null,
  "min_left_y": null,
  "min_right_y": null,
  "style": "area",
  "title": "Messages per Second"
}
```

<https://api.circonus.com/v2/template>

<id> - ID of the template (integer)

Format:

```
{
  "check_bundles":
  [
    {
      "bundle_id":<check_bundle id>,
      "name":"{target} - http"
    }
  ]
,
  "hosts":
  [
    "circonus.com",
    "example.com"
  ]
,
  "master_host":"circonus.com",
  "name":"Sample Template",
  "status":"active"
}
```

https://api.circonus.com/v2/contact_group

<id> - ID of the contact group (integer)

Format:

```
{
  "aggregation_window":300,
  "contacts":
  {
    "external":
    [
      {
        "contact_info":"test@example.com",
        "method":"email"
      }
    ]
    ,
    "users":
    [
      {
        "_contact_info":"example@circonus.com",
        "method":"email",
        "user":<user id>
      }
      ,
      {
        "_contact_info":"4105551212",
        "method":"sms",
        "user":<user id>
      }
    ]
  }
  ,
  "name":"example contact group"
}
```

<https://api.circonus.com/v2/broker>

Lists all the brokers accessible for this account. Adding /<id> to the URL where <id> is the broker ID will return just that broker's information. This is a read only endpoint.

