

# Rackspace Autoscale

Reference

API v1.0 (Jul 2, 2013)

DRAFT  
PREVIEW

## Rackspace Autoscale Reference

API v1.0 (2013-07-02)

Copyright © 2013

Copyright © 2013 Rackspace US, Inc. All rights reserved.

The document is for informational purposes only and is provided "AS IS."

RACKSPACE MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS OF THE CONTENTS OF THIS DOCUMENT AND RESERVES THE RIGHT TO MAKE CHANGES TO SPECIFICATIONS AND PRODUCT/SERVICES DESCRIPTION AT ANY TIME WITHOUT NOTICE. RACKSPACE SERVICES OFFERINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE. USERS MUST TAKE FULL RESPONSIBILITY FOR APPLICATION OF ANY SERVICES MENTIONED HEREIN. EXCEPT AS SET FORTH IN RACKSPACE GENERAL TERMS AND CONDITIONS AND/OR CLOUD TERMS OF SERVICE, RACKSPACE ASSUMES NO LIABILITY WHATSOEVER, AND DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO ITS SERVICES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT.

Except as expressly provided in any written license agreement from Rackspace, the furnishing of this document does not give you any license to patents, trademarks, copyrights, or other intellectual property.

Rackspace®, Rackspace logo and Fanatical Support® are registered service marks of Rackspace US, Inc. All other product names and trademarks used in this document are for identification purposes only and are property of their respective owners.

# Table of Contents

1. Overview .....	1
1.1. Document Change History .....	1
1.2. Additional Resources .....	1
2. API Reference .....	2
2.1. Groups .....	3
2.1.1. List Autoscaling Groups .....	4
2.1.2. POST .....	5
2.1.3. GET .....	9
2.1.4. DELETE .....	11
2.1.5. GET .....	12
2.2. Configurations .....	13
2.2.1. GET .....	14
2.2.2. PUT .....	15
2.2.3. GET .....	16
2.2.4. PUT .....	17
2.2.5. POST .....	18
2.2.6. POST .....	19
2.3. Policies .....	19
2.3.1. GET .....	20
2.3.2. POST .....	22
2.3.3. GET .....	24
2.3.4. PUT .....	25
2.3.5. DELETE .....	26
2.3.6. POST .....	27
2.4. Executions .....	27
2.4.1. POST .....	28
2.5. Webhooks .....	28
2.5.1. GET .....	29
2.5.2. POST .....	31
2.5.3. GET .....	33
2.5.4. PUT .....	34
2.5.5. DELETE .....	35

- DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

- DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

- DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

- DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW - DRAFT - DRAFT - PREV

The Rackspace Autoscale service responds to events by changing capacity to meet current needs. This ability to expand the configuration in response to increased workload means that you can begin with a minimal cloud configuration and grow only when the cost of that growth is justified.

This version of the document replaces and obsoletes all previous versions. The most recent changes are described in the following table:

## 1.2. Additional Resources

To use Rackspace Autoscale, you will have to be able to set cloud monitoring alarms and create cloud servers and cloud load balancers. You can read API documentation for those and other Rackspace services at <http://docs.rackspace.com/>.

DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW





### 2.1.1. List Autoscaling Groups

Verb	URI	Description
GET	v1.0/{tenantId}/groups	Lists all the autoscaling groups for the specified tenant ID.

Normal Response Code(s): 200

For the tenant specified by `tenant`, this operation returns a list of autoscaling groups.

### Table 2.1. List Autoscaling Groups Request Parameters

Name	Style	Type	Description
tenantId	Template		

### Example 2.1. List Autoscaling Groups Request: JSON

### Example 2.2. List Autoscaling Groups Response: JSON

```
{
    "groups": [
        {
            "id": "{groupId1}"
            "links": [
                {
                    "href": "{url_root}/v1.0/010101/groups/{groupId1}"
                    "rel": "self"
                }
            ],
            "active": [],
            "activeCapacity": 0,
            "pendingCapacity": 1,
            "desiredCapacity": 1,
            "paused": false
        },
        {
            "id": "{groupId2}"
            "links": [
                {
                    "href": "{url_root}/v1.0/010101/groups/
{groupId2}",
                    "rel": "self"
                }
            ],
            "active": [],
            "activeCapacity": 0,
            "pendingCapacity": 2,
            "desiredCapacity": 2,
            "paused": false
        }
    ],
    "groups_links": []
}
```

- DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

- DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW - DRAFT - DRAFT - PREV

- DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

- DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW

[illegible]

- DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW

- DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

```

    }
  },
  "scalingPolicies": [
    {
      "name" : "scale up by 10"
      "change": 10,
      "cooldown": 5,
      "type" : "webhook"
    },
    {
      "name" : "scale down by 5.5 percent"
      "changePercent": -5.5,
      "cooldown": 6,
      "type" : "webhook"
    },
    {
      "name" : "set number of servers to 10"
      "desiredCapacity": 10,
      "cooldown": 3,
      "type" : "webhook"
    }
  ]
}

```

### Example 2.4. Response: JSON

```
{
  "group": {
    "id": "{groupId}",
    "links": [
      {
        "href": "{url_root}/v1.0/010101/groups/{groupId}"
        "rel": "self"
      }
    ],
    "groupConfiguration": {
      "name": "workers",
      "cooldown": 60,
      "minEntities": 5,
      "maxEntities": 100,
      "metadata": {
        "firstkey": "this is a string",
        "secondkey": "1",
      }
    },
    "launchConfiguration": {
      "type": "launch_server",
      "args": {
        "server": {
          "flavorRef": 3,
          "name": "webhead",
          "imageRef": "0d589460-f177-4b0f-81c1-8ab8903ac7d8",
          "OS-DCF:diskConfig": "AUTO",
          "metadata": {
            "mykey": "myvalue"
          },
          "personality": [
            {
              "path": '/root/.ssh/authorized_keys',
```

```

"contents": "ssh-rsa AAAAB3Nza...LiPk==
user@example.net"
    }
    ],
    "networks": [
        {
            "uuid": "11111111-1111-1111-1111-111111111111"
        }
    ],
    },
    "loadBalancers": [
        {
            "loadBalancerId": 2200,
            "port": 8081
        }
    ]
    }
    },
    "scalingPolicies": [
        {
            "id": "{policyId1}",
            "links": [
                {
                    "href": "{url_root}/v1.0/010101/groups/{groupId}/policies/{policyId1}"
                    "rel": "self"
                }
            ],
            "name": "scale up by 10",
            "change": 10,
            "cooldown": 5,
            "type": "webhook"
        },
        {
            "id": "{policyId2}",
            "links": [
                {
                    "href": "{url_root}/v1.0/010101/groups/{groupId}/policies/{policyId2}"
                    "rel": "self"
                }
            ],
            "name": "scale down by 5.5 percent",
            "changePercent": -5.5,
            "cooldown": 6,
            "type": "webhook"
        },
        {
            "id": "{policyId3}",
            "links": [
                {
                    "href": "{url_root}/v1.0/010101/groups/{groupId}/policies/{policyId3}"
                    "rel": "self"
                }
            ],
            "name": "Set number of servers to 10",
            "desiredCapacity": 10,
            "cooldown": 6,
            "type": "webhook"
        }
    ]
}

```

- DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW - DRAFT - PREVIEW

### 2.1.3. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}	View manifested view of the scaling group configuration, including the launch configuration, and the scaling policies. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

### Table 2.3. GET Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.5. Request: JSON

### Example 2.6. Response: JSON

```
{
  "group": {
    "id": "{groupId}",
    "links": [
      {
        "href": "{url_root}/v1.0/010101/groups/{groupId}"
        "rel": "self"
      }
    ],
    "groupConfiguration": {
      "name": "workers",
      "cooldown": 60,
      "minEntities": 5,
      "maxEntities": 100,
      "metadata": {
        "firstkey": "this is a string",
        "secondkey": "1",
      }
    },
    "launchConfiguration": {
      "type": "launch_server",
      "args": {
        "server": {
          "flavorRef": 3,
          "name": "webhead",
          "imageRef": "0d589460-f177-4b0f-81c1-8ab8903ac7d8",
          "OS-DCF:diskConfig": "AUTO",
          "metadata": {
            "mykey": "myvalue"
          },
          "personality": [
            {
              "path": '/root/.ssh/authorized_keys',
              "contents": "ssh-rsa AAAAB3Nza...LiPk=="
            }
          ],
          "networks": [

```

- DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW - DRAFT - DRAFT - PREVIEW

## 2.1.4. DELETE

Verb	URI	Description
DELETE	v1.0/{tenantId}/groups/{groupId}	Delete a scaling group if there are no entities belonging to the scaling group. If successful, no response body will be returned. If there are pending or active entities, a 409 will be returned.

Normal Response Code(s): 204

**Table 2.4. DELETE Request Parameters**

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.7. Request: JSON

This operation does not return a response body.



## 2.1.5. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/state	Get the current state of the scaling group, including the current set of active entities, the number of pending entities, and the desired number of entities. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

### Table 2.5. GET Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.8. Request: JSON

### Example 2.9. Response: JSON

```
{
  "group": {
    "id": "{groupId}",
    "links": [
      {
        "href": "{url_root}/v1.0/010101/groups/{groupId}",
        "rel": "self"
      }
    ],
    "active": [
      {
        "id": "{instanceId1}"
        "links": [
          {
            "href": "https://dfw.servers.api.rackspacecloud.com/v2/010101/servers/{instanceId1}",
            "rel": "self"
          }
        ]
      },
      {
        "id": "{instanceId2}"
        "links": [
          {
            "href": "https://dfw.servers.api.rackspacecloud.com/v2/010101/servers/{instanceId2}",
            "rel": "self"
          }
        ]
      }
    ],
    "activeCapacity": 2,
    "pendingCapacity": 2,
    "desiredCapacity": 4,
    "paused": false
  }
}
```

## 2.2. Configurations

Verb	URI	Description
GET	<code>v1.0/{tenantId}/groups/{groupId}/config</code>	Get the configuration for a scaling group, which includes the minimum number of entities, the maximum number of entities, global cooldown, and other metadata. This data is returned in the body of the response in JSON format.
PUT	<code>v1.0/{tenantId}/groups/{groupId}/config</code>	Edit the configuration for a scaling group, which includes the minimum number of entities, the maximum number of entities, global cooldown, and other metadata. This data provided in the request body in JSON format. If successful, no response body will be returned.
GET	<code>v1.0/{tenantId}/groups/{groupId}/launch</code>	Get the launch configuration for a scaling group, which includes the details of how to create a server, from what image, which load balancers to join it to, and what networks to add it to, and other metadata. This data is returned in the body of the response in JSON format.
PUT	<code>v1.0/{tenantId}/groups/{groupId}/launch</code>	Edit the launch configuration for a scaling group, which includes the details of how to create a server, from what image, which load balancers to join it to, and what networks to add it to, and other metadata. This data provided in the request body in JSON format. If successful, no response body will be returned.
POST	<code>v1.0/{tenantId}/groups/{groupId}/pause</code>	Pause all execution of scaling policies for this scaling group.
POST	<code>v1.0/{tenantId}/groups/{groupId}/resume</code>	Resume all execution of scaling policies for this scaling group.

## 2.2.1. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/config	Get the configuration for a scaling group, which includes the minimum number of entities, the maximum number of entities, global cooldown, and other metadata. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

**Table 2.6. GET Request Parameters**

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.10. Request: JSON

### Example 2.11. Response: JSON

```
{
  "groupConfiguration": {
    "name": "workers",
    "cooldown": 60,
    "minEntities": 5,
    "maxEntities": 100,
    "metadata": {
      "firstkey": "this is a string",
      "secondkey": "1",
    }
  }
}
```

Verb	URI	Description
PUT	vl.0/{tenantId}/groups/{groupId}/config	Edit the configuration for a scaling group, which includes the minimum number of entities, the maximum number of entities, global cooldown, and other metadata. This data provided in the request body in JSON format. If successful, no response body will be returned.

### Table 2.7. PUT Request Parameters

### Example 2.12. Request: JSON

This operation does not return a response body.

### 2.2.3. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/launch	Get the launch configuration for a scaling group, which includes the details of how to create a server, from what image, which load balancers to join it to, and what networks to add it to, and other metadata. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

### Table 2.8. GET Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.13. Request: JSON

### Example 2.14. Response: JSON

```
{
  "launchConfiguration": {
    "type": "launch_server",
    "args": {
      "server": {
        "flavorRef": 3,
        "name": "webhead",
        "imageRef": "0d589460-f177-4b0f-81c1-8ab8903ac7d8",
        "OS-DCF:diskConfig": "AUTO",
        "metadata": {
          "mykey": "myvalue"
        },
        "personality": [
          {
            "path": '/root/.ssh/authorized_keys',
            "contents": "ssh-rsa AAAAB3Nza...LiPk== user@example."
          }
        ],
        "networks": [
          {
            "uuid": "11111111-1111-1111-1111-111111111111"
          }
        ],
      },
    },
    "loadBalancers": [
      {
        "loadBalancerId": 2200,
        "port": 8081
      }
    ]
  }
}
```

## 2.2.4. PUT

Verb	URI	Description
PUT	v1.0/{tenantId}/groups/{groupId}/launch	Edit the launch configuration for a scaling group, which includes the details of how to create a server, from what image, which load balancers to join it to, and what networks to add it to, and other metadata. This data provided in the request body in JSON format. If successful, no response body will be returned.

Normal Response Code(s): 204

### Table 2.9. PUT Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.15. Request: JSON

```
{
  "type" : "launch_server"
  "args": {
    "server": {
      "flavorRef": 3,
      "name" : "webhead"
      "imageRef" : "0d589460-f177-4b0f-81c1-8ab8903ac7d8"
      "OS-DCF:diskConfig" : "AUTO"
      "metadata": {
        "mykey" : "myvalue"
      },
      "personality": [
        {
          "path": '/root/.ssh/authorized_keys',
          "contents" : "ssh-rsa AAAAB3Nza...LiPk== user@example.net"
        }
      ],
      "networks": [
        {
          "uuid" : "11111111-1111-1111-1111-111111111111"
        }
      ],
    },
    "loadBalancers": [
      {
        "loadBalancerId": 2200,
        "port": 8081
      }
    ]
  }
}
```

This operation does not return a response body.

## 2.2.5. POST

Verb	URI	Description
POST	v1.0/{tenantId}/groups/{groupId}/ pause	Pause all execution of scaling policies for this scaling group.

Normal Response Code(s): 204

**Table 2.10. POST Request Parameters**

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.16. Request: JSON

This operation does not return a response body.

## 2.2.6. POST

Verb	URI	Description
POST	v1.0/{tenantId}/groups/{groupId}/resume	Resume all execution of scaling policies for this scaling group.

Normal Response Code(s): 204

### Table 2.11. POST Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.17. Request: JSON

This operation does not return a response body.

## 2.3. Policies

Verb	URI	Description
GET	<code>v1.0/{tenantId}/groups/{groupId}/policies</code>	Get a list of scaling policies in the group. Each policy describes an id, name, type, adjustment, cooldown, and links. This data is returned in the body of the response in JSON format.
POST	<code>v1.0/{tenantId}/groups/{groupId}/policies</code>	Create one or many new scaling policies. Scaling policies must include a name, type, adjustment, and cooldown. The response header will point to the list policies endpoint. An array of scaling policies is provided in the request body in JSON format.
GET	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}</code>	Get a scaling policy which describes an id, name, type, adjustment, and cooldown, and links. This data is returned in the body of the response in JSON format.
PUT	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}</code>	Updates a scaling policy. Scaling policies must include a name, type, adjustment, and cooldown. If successful, no response body will be returned.
DELETE	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}</code>	Delete a scaling policy. If successful, no response body will be returned.
POST	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/execute</code>	Execute a scaling policy. If successful, a response body will be returned.



### 2.3.1. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/policies	Get a list of scaling policies in the group. Each policy describes an id, name, type, adjustment, cooldown, and links. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

### Table 2.12. GET Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.18. Request: JSON

### Example 2.19. Response: JSON

```
{
  "policies": [
    {
      "id": "{policyId1}",
      "data": {
        "name": "scale up by one server",
        "change": 1,
        "cooldown": 150,
        "type": "webhook"
      },
      "links": [
        {
          "href": "{url_root}/v1.0/010101/groups/{groupId}/policy/{policyId1}"
          "rel": "self"
        }
      ]
    },
    {
      "id": "{policyId2}",
      "data": {
        "name": "scale up ten percent",
        "changePercent": 10,
        "cooldown": 150,
        "type": "webhook"
      },
      "links": [
        {
          "href": "{url_root}/v1.0/010101/groups/{groupId}/policy/{policyId2}"
          "rel": "self"
        }
      ]
    },
    {
      "id": "{policyId3}",
```



## 2.3.2. POST

Verb	URI	Description
<b>POST</b>	vl.0/{tenantId}/groups/{groupId}/policies	Create one or many new scaling policies. Scaling policies must include a name, type, adjustment, and cooldown. The response header will point to the list policies endpoint. An array of scaling policies is provided in the request body in JSON format.

Normal Response Code(s): 201

### Table 2.13. POST Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		

### Example 2.20. Request: JSON

```
[
{
  "name" : "scale up by one server"
  "change": 1,
  "cooldown": 150,
  "type" : "webhook"
},
{
  "name" : "scale down by 5.5 percent"
  "changePercent": -5.5,
  "cooldown": 6,
  "type" : "webhook"
}
]
```

### Example 2.21. Response: JSON

```
{
  "policies": [
    {
      "id": {policyId1},
      "links": [
        {
          "href": "{url_root}/v1.0/010101/groups/{groupId}/policy/{policyId1}"
          "rel": "self"
        }
      ],
      "name": "scale up by one server",
      "change": 1,
      "cooldown": 150,
      "type": "webhook"
    },
    {
      "id": {policyId2},
      "links": [
        {
          "href": "{url_root}/v1.0/010101/groups/{groupId}/policy/{policyId2}"
        }
      ]
    }
  ]
}
```

```

    "rel": "self"
  }
],
"name": "scale down by 5.5 percent",
"changePercent": -5.5,
"cooldown": 6,
"type": "webhook"
}
]
}
```

### 2.3.3. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}	Get a scaling policy which describes an id, name, type, adjustment, and cooldown, and links. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

### Table 2.14. GET Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		

### Example 2.22. Request: JSON

### Example 2.23. Response: JSON

```
{
  "policy": {
    "id": {policyId},
    "links": [
      {
        "href": "{url_root}/v1.0/010101/groups/{groupId}/policy/{policyId}"
        "rel": "self"
      }
    ],
    "name": "scale up by one server",
    "change": 1,
    "cooldown": 150,
    "type": "webhook"
  }
}
```

## 2.3.4. PUT

Verb	URI	Description
PUT	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}	Updates a scaling policy. Scaling policies must include a name, type, adjustment, and cooldown. If successful, no response body will be returned.

Normal Response Code(s): 204

### Table 2.15. PUT Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		

### Example 2.24. Request: JSON

```
{
  "name": 'scale down by 5.5 percent',
  "changePercent": -5.5,
  "cooldown": 6,
  "type" : "webhook"
}
```

This operation does not return a response body.

## 2.3.5. DELETE

Verb	URI	Description
<b>DELETE</b>	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}	Delete a scaling policy. If successful, no response body will be returned.

Normal Response Code(s): 204

**Table 2.16. DELETE Request Parameters**

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		

### Example 2.25. Request: JSON

This operation does not return a response body.

Verb	URI	Description
<b>POST</b>	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/execute	Execute a scaling policy. If successful, a response body will be returned.

### Table 2.17. POST Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		

### Example 2.27. Response: JSON

 $\{\}$ 

Verb	URI	Description
POST	v1.0/execute/{capability_version}/ {capability_hash}	Execute a webhook



### 2.4.1. POST

Verb	URI	Description
POST	v1.0/execute/{capability_version}/ {capability_hash}	Execute a webhook

Normal Response Code(s): 202

### Table 2.18. POST Request Parameters

Name	Style	Type	Description
capability_version	Template		
capability_hash	Template		

### Example 2.28. Request: JSON

### Example 2.29. Response: JSON

 $\{ \}$ 

## 2.5. Webhooks

Verb	URI	Description
GET	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks</code>	Get a list of webhooks and their IDs. This data is returned in the body of the response in JSON format.
POST	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks</code>	Create one or more new scaling policy webhooks. Webhooks must have a name. If successful, the created response body will contain the IDs and links to the newly created webhooks. This data provided in the request body in JSON format.
GET	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks/{webhookId}</code>	Get information about a specific scaling policy webhook. This data is returned in the body of the response in JSON format.
PUT	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks/{webhookId}</code>	Update an existing webhook. WebhookIds not recognized will be ignored with accompanying data. URLs will be ignored if submitted, but that will not invalidate the request. If successful, no response body will be returned.
DELETE	<code>v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks/{webhookId}</code>	Delete a scaling policy webhook. If successful, no response body will be returned.

### 2.5.1. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks	Get a list of webhooks and their IDs. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

### Table 2.19. GET Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		

### Example 2.30. Request: JSON

### Example 2.31. Response: JSON

```
{
  "webhooks": [
    {
      "id": "{webhookId1}",
      "name": "alice",
      "metadata": {
        "notes": "this is for Alice"
      },
      "links": [
        {
          "href": ".../{groupId1}/policies/{policyId1}/webhooks/{webhookId1}/",
          "rel": "self"
        },
        {
          "href": ".../execute/1/{capability_hash1}/",
          "rel": "capability"
        }
      ]
    },
    {
      "id": "{webhookId2}",
      "name": "alice",
      "metadata": {
        "notes": "this is for Bob"
      },
      "links": [
        {
          "href": ".../{groupId1}/policies/{policyId1}/webhooks/{webhookId2}/",
          "rel": "self"
        },
        {
          "href": ".../execute/1/{capability_hash2}/",
          "rel": "capability"
        }
      ]
    }
  ]
}
```

```
    },  
    "webhooks_links": []  
}
```

## 2.5.2. POST

Verb	URI	Description
POST	vl.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks	Create one or more new scaling policy webhooks. Webhooks must have a name. If successful, the created response body will contain the IDs and links to the newly created webhooks. This data provided in the request body in JSON format.

Normal Response Code(s): 201

### Table 2.20. POST Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		

### Example 2.32. Request: JSON

```
[
{
  "name" : "alice"
  "metadata": {
    "notes" : "this is for Alice"
  }
},
{
  "name" : "bob"
}
]
```

### Example 2.33. Response: JSON

```
{
  "webhooks": [
    {
      "id": "{webhookId1}",
      "alice",
      "metadata": {
        "notes": "this is for Alice"
      },
      "links": [
        {
          "href": ".../{groupId1}/policies/{policyId1}/webhooks/{webhookId1}/",
          "rel": "self"
        },
        {
          "href": ".../execute/1/{capability_hash1}/",
          "rel": "capability"
        }
      ]
    },
    {
      "id": "{webhookId2}",
      "name": "bob",
```

```

    "metadata": {},
    "links": [
      {
        "href": ".../{groupId1}/policies/{policyId1}/webhooks/{webhookId2}/",
        "rel": "self"
      },
      {
        "href": ".../execute/1/{capability_hash2}/",
        "rel": "capability"
      }
    ]
  }
}

```

## 2.5.3. GET

Verb	URI	Description
GET	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks/{webhookId}	Get information about a specific scaling policy webhook. This data is returned in the body of the response in JSON format.

Normal Response Code(s): 200

**Table 2.21. GET Request Parameters**

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		
webhookId	Template		

### Example 2.34. Request: JSON

### Example 2.35. Response: JSON

```
{
  "webhook": {
    "id": "{webhookId}",
    "name": "webhook name",
    "metadata": {},
    "links": [
      {
        "href": ".../{groupId1}/policies/{policyId1}/webhooks/{webhookId}/",
        "rel": "self"
      },
      {
        "href": ".../execute/1/{capability_hash2}",
        "rel": "capability"
      }
    ]
  }
}
```

## 2.5.4. PUT

Verb	URI	Description
PUT	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks/{webhookId}	Update an existing webhook. WebhookIds not recognized will be ignored with accompanying data. URLs will be ignored if submitted, but that will not invalidate the request. If successful, no response body will be returned.

Normal Response Code(s): 204

**Table 2.22. PUT Request Parameters**

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		
webhookId	Template		

### Example 2.36. Request: JSON

```
{
  "name" : "alice"
  "metadata": {
    "notes" : "this is for Alice"
  }
}
```

This operation does not return a response body.

Verb	URI	Description
DELETE	v1.0/{tenantId}/groups/{groupId}/policies/{policyId}/webhooks/{webhookId}	Delete a scaling policy webhook. If successful, no response body will be returned.

### Table 2.23. DELETE Request Parameters

Name	Style	Type	Description
tenantId	Template		
groupId	Template		
policyId	Template		
webhookId	Template		

This operation does not return a response body.