

Vsites

<https://campus.barracuda.com/doc/45024872/>

A Vsite is a networking entity on the Barracuda Web Application Firewall that can be used to host other entities such as service groups, virtual services, servers, and rule groups. A Vsite has its own routing table to route the traffic for services and servers configured in it.

Creating a Vsite

URL: /v1/vsites			
Method: POST			
Description: Creates a Vsite with the given name.			
Parameter Name	Data Type	Mandatory	Description
Input Parameters:			
name	Alphanumeric	Yes	A name for the new Vsite.
active_on	Numeric	Conditional	Specify the serial number of the unit on which the Vsite needs to be active. Note: This parameter is applicable ONLY if the unit is deployed in High Availability environment.

Creating a Vsite in a Stand-Alone Unit

Example:

Creating Curl requests

URLs

: HTTP = http://192.168.0.1:8000/restpai/v1/{object_id}

: HTTPS = https://192.168.0.1:443/restapi/v1/{object_id}

Create URL

: -H = Request Header (Specify Content-Type)

: -X = Request Method (POST,GET,PUT,DELETE)

: -d = JSON data hash

: -u = Authentication token which you got back on login

```
curl http://192.168.0.1:8000/restapi/v1/vsites -u  
'eyJldCI6IjEzNzk2NDA4MzciLCiwiZXNlciI6ImFkbWluln0=\n:' -X POST -H Content-  
Type:application/json -d '{"name": "demo_vsite"}'
```

When executed, the above curl script will dump the result, and the output will look like this:

```
{"id":"demo_vsite","token":"eyJldCI6IjEzNzk2NDMjNzwidXNlciI6ImFkbWluln0=\n"}
```

Creating a Vsite in a Clustered Unit

Request:

```
curl http://192.168.0.1:8000/restapi/v1/vsites -u  
'eyJldCI6IjE0MzM5NjwidXNlciI6ImFkbWluln0=\n:' -X POST -H Content-Type:application/json -d  
'{"name":"demo_vsite2","active_on":"617055"}'
```

Response:

```
{"id":"demo_vsite2","token":"eyJldCI6IjE0MzM5Njc2ODAiLCJlliwidXNlciI6ImFkbWluln0=\n"}
```

Retrieving Vsites

URL: /v1/vsites /v1/vsites/{vsite_id}			
Method: GET			
Description: Lists all vsites if "vsite_id" is not specified.			
Parameter Name	Data Type	Mandatory	Description
Input Parameters:			

parameters	Alphanumeric	Yes	The parameter names for which you want to retrieve the value. See <i>Example 2</i> .
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Example 1:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/vsites -u
'eyJldCI6IjEzODY3MTI3MmlxliwidXNlci6ImFkbWluln0=\n:' -X GET
```

Response:

```
{
  "parameters": null,
  "object": "Vsites",
  "data": [
    {
      "service_group": [
        "default"
      ],
      "service_groups": [
        {
          "name": "default",
          "id": "default",
          "virtual_services": [
            {
              "load_balance": {
                "algorithm": "round_robin",
                "failover_method": "load_balance",
                "persistence_method": "none"
              },
              "service_hostname": [
                ],
              "advanced_configuration": {
                "enable_web_application_firewall": "yes",
                "keepalive_requests": "64",
                "ntlm_ignore_extra_data": "no"
              },
              "status": "enable",
              "session_timeout": "60",
              "instant_ssl": {
                "secure_site_domain": [
                ],

```

```
"status": "off",
"sharepoint_rewrite_support": "off"
},
"comments": null,
"group": "default",
"ip_address": "99.99.107.25",
"id": "SERVICE_1",
"ssl_offloading": {
  "ciphers": "default",
  "sni_certificate": [

],
"trusted_certificates": [

],
"status": "off",
"enforce_client_certificate": "yes",
"enable_tls_1_2": "yes",
"enable_strict_sni_check": null,
"selected_ciphers": "AES256-GCM-SHA384,AES256-SHA256,AES256-SHA,CAMELLIA256-
SHA,DES-CBC3-SHA,AES128-GCM-SHA256,AES128-SHA256,AES128-SHA,SEED-
SHA,CAMELLIA128-SHA,IDEA-CBC-SHA,RC4-SHA",
"enable_tls_1": "yes",
"domain": [

],
"enable_sni": "no",
"enable_tls_1_1": "yes",
"enable_client_authentication": "no",
"enable_ssl_3": "yes"
},
"mask": "255.255.255.255",
"enable_access_logs": "yes",
"name": "SERVICE_1",
"port": "80",
"security": {
  "ignore_case": "yes",
  "trusted_hosts_action": "default",
  "mode": "active",
  "web_firewall_log_level": "notice",
  "web_firewall_policy": "default",
  "rate_control_status": "off",
  "trusted_hosts_group": "",
  "rate_control_pool": "NONE",
  "client_ip_addr_header": null
},
```

```
"address_version": "ipv4",
"servers": [
{
  "in_band_health_checks": {
    "max_http_errors": "0",
    "max_refused": "10",
    "max_timeout_failure": "10",
    "max_other_failure": "10"
  },
  "out_of_band_health_checks": {
    "enable_OOB_health_checks": "yes",
    "interval": "10"
  },
  "advanced_configuration": {
    "client_impersonation": "no",
    "max_establishing_connections": "100",
    "max_keepalive_requests": "0",
    "max_connections": "10000",
    "max_requests": "1000",
    "timeout": "300000",
    "source_ip_to_connect": null,
    "max_spare_connections": "0"
  },
  "ssl": {
    "enable_https": "no",
    "enable_tls_1_1": "yes",
    "client_certificate": null,
    "enable_ssl_3": "yes",
    "validate_certificate": "yes",
    "enable_tls_1_2": "yes",
    "enable_tls_1": "yes"
  },
  "status": "in-service",
  "name": null,
  "application_layer_health_check": {
    "additional_headers": [

    ],
    "status_code": "200",
    "url": null,
    "method": "GET",
    "match_content_string": null
  },
  "port": "80",
  "comments": null,
  "backup_server": "no",
```

```

"connection_pooling": {
  "enable_connection_pooling": "yes",
  "keepalive_timeout": "900000"
},
"weight": "1",
"ip_address": "11.11.1.117",
"id": null
},
],
"type": "HTTP",
"content_rules": [

]
}
],
"name": "default",
"id": "default",
"active_on": "140949",
"comments": null
}
],
"limit": null,
"token": "eyJldCI6IjEzODY3MTI2OTUiLCJwYNTMzliwidXNlciI6ImFkbWluln0=\n",
"offset": null
}

```

Example 2:**Request:**

```

curl http://192.168.0.1:8000/restapi/v1/vsites -u
'eyJldCI6IjEzODY3MTI2OTUiLCJwYNTMzliwidXNlciI6ImFkbWluln0=\n' -X GET -G -d parameters=name

```

Response:

```

{"parameters":["name"],"object":"Vsites","data":[{"name":"default"}, {"name":"Cuda"}], "limit":
null, "token": "eyJldCI6IjEzODY3MTI2OTUiLCJwYNTMzliwidXNlciI6ImFkbWluln0=\n", "offset": null}

```

Example 3:

Request:

```
curl http://192.168.0.1:8000/restapi/v1/vsites -u
'eyJldCI6IjE0MzM5NjUzYzliwidXNlcil6ImFkbWluln0=\n:' -X GET -G -d
parameters=active_on,service_group
```

Response:

```
{
  "parameters": [
    "active_on",
    "service_group"
  ],
  "object": "Vsites",
  "data": [
    {
      "service_group": [
        "default"
      ],
      "active_on": "511256"
    },
    {
      "service_group": [
        "dut1_vsite1_group"
      ],
      "active_on": "511256"
    },
    {
      "service_group": [
        "dut2_vsite1_group"
      ],
      "active_on": "617055"
    },
    {
      "service_group": [
        "demo_vsite2_group"
      ],
      "active_on": "511256"
    }
  ],
  "limit": null,
  "token": "eyJldCI6IjE0MzM5Njc3NzAiLCxliwidXNlcil6ImFkbWluln0=\n",
  "offset": null
}
```

Updating a Vsite

URL: /v1/vsites/{vsite_id}			
Method: PUT			
Description: Updates the Vsite with the given value.			
Parameter Name	Data Type	Mandatory	Description
Input Parameters:			
Comments	Alphanumeric	Optional	Description of the Vsite.

Updating a Vsite in a Stand-Alone Unit

Example 1:

Request:

```
curl http://192.168.0.1:8000/restapi/v1/vsites/demo_vsite -u  
'eyJldCI6IjEzODAyMzQyM2liwidXNlciI6ImFkbWluln0=\n:' -X PUT -H Content-Type:application/json  
-d '{"comments":"TEST"}'
```

Response:

```
{"msg":"Configuration  
Updated","id":"demo_vsite","token":"eyJldCI6IjEzODAyMzQyM2liwidXNlciI6ImFkbWluln0=\n"}
```

Updating a Vsite in a Clustered Unit

Example 2:

Request:

```
curl http://192.168.0.1:8000/restapi/v1/vsites/demo_vsite2 -u  
'eyJldCI6IjE0MzM5NjUzMjI3MXNlciI6ImFkbWluln0=\n:' -X PUT -H Content-Type:application/json -d  
'{"comments":"TEST","active_on":"511256"} '
```

Response:


```
{"msg":"Configuration  
Updated","id":"demo_vsite2","token":"eyJldCI6IjE0MzM5Njc3NDM2QxliwidXNlciI6ImFkbWluln0=\n"}n"}
```

Deleting a Vsite

URL: /v1/vsites/{vsite_id}
Method: DELETE
Description: Deletes the given Vsite.

Example:

Request:

```
curl http://192.168.0.1:8000/restapi/v1/vsites/demo_vsite -u  
'eyJldCI6IjEzNzk0GNIwidXNlciI6ImFkbWluln0=\n': -X DELETE
```

Response:

```
{"msg":"Successfully deleted","token":"eyJldCI6IjEzNzk2YzA2MzFiliwidXNlciI6ImFkbWluln0=\n"}
```

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