

Virtual Service

<https://campus.barracuda.com/doc/45025062/>

A "Virtual Service" is a combination of a Virtual IP (VIP) address and a TCP port, which listens and directs the traffic to the intended service.

To Create a Virtual Service

URL: /v1/virtual_services			
Method: POST			
Description: Creates a virtual service with the given values.			
Parameter Name	Data Type	Mandatory	Description
Input Parameters:			
name	Alphanumeric	Yes	The name of the new service.
ip_address	Numeric	Yes	The virtual IP address that will be used for accessing this application.
port	Numeric	Yes	The port number on which your web server responds.
type	Enumeration	Yes	The type of the service you want to create. The enumerated values include: <ul style="list-style-type: none"> • HTTP • HTTPS • FTP • FTPSSL • CUSTOM • CUSTOMSSL • INSTANTSSL • REDIRECT (for Redirect service)
address_version	Enumeration	Yes	The internet protocol version of the service. The enumerated values include: <ul style="list-style-type: none"> • ipv4 • ipv6
vsite	Alphanumeric	Optional	The name of the vsite under which the service needs to be created. Note: This field is required ONLY when the service needs to be created under a specific vsite. If not, the service will be created under the <i>default</i> vsite.

group	Alphanumeric	Optional	The name of the service group under which the service needs to be created. Note: This field is required ONLY when the service needs to be created under a specific service group. If not, the service will be created under the <i>default</i> service group.
certificate	Alphanumeric	Conditional	The certificate that needs to be presented to the browser when accessing this Service. Note: This is a required parameter ONLY when the service is HTTPS, Instant SSL, Custom SSL or FTP SSL.
service_hostname	Alphanumeric	Conditional	The domain name to identify and rewrite HTTP requests to HTTPS. Note: This is a required parameter ONLY when the service is Instant SSL.
Output Parameters:			
id	Alphanumeric		The name of the service that got created.

Example: HTTP Service**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services -u
'eyJldCI6IjEzNzk2NDA4MzciLCJwYXNzd29yZCI6ImImlxZjZjZmVhZTk5MWFmMWUyNDYzYTFiNjA5\nY
zYzZTFjliwidXNlciI6ImFkbWluln0=\n:' -X POST -H Content-Type:application/json -d '{"name":
"demo_service_3", "ip_address": "10.11.16.176", "port": "80", "type":"http",
"address_version":"ipv4", "vsite":"demo_vsite", "group":"demo_vsite_group"}'
```

Response:

```
{ "id": "demo_service_3", "token": "eyJldCI6IjEzNzk2NTlyNjEiLCJwYXNzd29yZCI6ImRiODUwZDMxZj
YzNTQ4Njk2MzdhdZDZiZThl\nMTQzODMxliwidXNlciI6ImFkbWluln0=\n" }
```

Example: HTTPS Service**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services -u
'eyJldCI6IjEzNzk1OTYwOTAiLCJwYXNzd29yZCI6ImImlxMzJiMmI2MmI3ZDYzYTc0NTU5M2UzNTFm\nN
zMxMTEwliwidXNlciI6ImFkbWluln0=\n:' -X POST -H Content-Type:application/json -d
'{"certificate":"cert1","address_version":"ipv4","name":"demo_service_2","type":"https","ip_add
ress":"10.11.12.138","port":"80"}'
```

Response:

```
{ "id": "demo_service_2", "token": "eyJldCI6IjEzNzk2NTlyNjEiLCJwYXNzd29yZCI6ImRiODUwZDMxZjYzNTQ4Njk2MzdhdZDZiZThl\nMTQzODMxliwidXNlciI6ImFkbWluln0=\n" }
```

Example: Instant SSL Service**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services -u 'eyJldCI6IjEzODAyODg0MTUilCJwYXNzd29yZCI6ImJmYTdjMGFiODIzZjdkNTNIMzg2Y2E2YzRI\nZDIkNzM4liwidXNlciI6ImFkbWluln0=\n:' -X POST -H Content-Type:application/json -d '{"name": "instant_ssl", "ip_address": "10.11.25.233", "port": "445", "type": "instantssl", "address_version": "ipv4", "vsite": "default", "group": "default", "certificate": "cert", "service_hostname": "*"}'
```

Response:

```
{ "id": "instant_ssl", "token": "eyJldCI6IjEzODAzMDkzNDkiLCJwYXNzd29yZCI6ImQzOTI5MGZiMDBhNWE3MGY1MzU1NzNINmU2\nMTQ5Mzc4liwidXNlciI6ImFkbWluln0=\n" }
```

To Retrieve Virtual Service

URL: /v1/virtual_services /v1/virtual_services/{virtual_service_id}			
Method: GET			
Description: Lists all virtual services if “service_id” is not specified.			
Parameter Name	Data Type	Mandatory	Description
Input Parameters:			
parameters	Alphanumeric	Optional	Any specific parameter name that needs to be retrieved. See <i>Example 2</i> .

Example 1:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/demo_service -u 'eyJldCI6IjEzODAyMzQyMzEiLCJwYXNzd29yZCI6ImJmYTdjMGFiODIzZjdkNTNIMzg2Y2E2YzRI\nZDIkNzM4liwidXNlciI6ImFkbWluln0=\n:' -X GET
```

Response:

```
{
  "load_balance": {
    "algorithm": null,
    "persistence_method": "NONE",
    "session_timeout": "60",
    "comments": null,
    "group": "demo_vsite_group",
    "ip_address": "10.11.15.176",
    "id": "demo_service",
    "token": "eyJldCI6IjEzODAyMzY3MDQlLCJwYXNzd29yZCI6ImQ1N2Q2MzM1OWU5YTYzYjAxN2YyOTdIMzZk\nYmEwZTYwliwidXNlci6ImFkbWluln0=\n",
    "ssl_offloading": {
      "ciphers": "default",
      "trusted_certificates": [],
      "status": "0",
      "enforce_client_certificate": "1",
      "enable_tls_1_2": "1",
      "enable_tls_1_1": "1",
      "enable_snippet": "0",
      "enable_tls_1_1": "1",
      "keepalive_requests": "64",
      "enable_client_authentication": "0",
      "enable_ssl_3": "1"
    },
    "enable": "1",
    "name": "demo_service",
    "enable_access_log": "1",
    "port": "80",
    "address_version": "ipv4",
    "security": {
      "ignore_case": "1",
      "trusted_hosts_action": "DEFAULT",
      "mode": "PASSIVE",
      "web_firewall_log_level": "5",
      "web_firewall_policy": "default",
      "rate_control_status": "OFF",
      "trusted_hosts_group": null,
      "rate_control_pool": "NONE",
      "client_ip_addr_header": null
    },
    "type": "HTTP",
    "servers": [],
    "content_rules": []
  }
}
```

Example 2:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/demo_service -u
'eyJldCI6IjE1MDE4NDAxMTciLCJwYXNzd29yZCI6IjdhNDQyN2I1ODAxMGM2MTBiYW5NGRiNGVj\n
NTY3ZDFliwidXNlci6ImFkbWluln0=\n' -X GET -G -d
parameters=ip_address,load_balance,security
```

Response:

```
{
  "load_balance": {
    "algorithm": "round_robin",
    "failover_method": "error",
    "persistence_method": "none",
    "security": {
      "ignore_case": "yes",
      "trusted_hosts_action": "default",
      "mode": "passive",
      "web_firewall_log_level": "notice",
      "web_firewall_policy": "sharepoint",
      "rate_control_status": "off",
      "trusted_hosts_group": "",
      "rate_control_pool": "NONE",
      "client_ip_addr_header": null
    },
    "ip_address": "99.99.116.7",
    "id": "demo_service",
    "token": "eyJldCI6IjE1MDQ0MDgwMTQlLCJwYXNzd29yZCI6ImJiZGE0MG\n
NmY2I5ZjZjM2E1ZTFIN2M3ODI0\nYjk3NjE0liwidXNlci6ImFkbWluln0=\n"
  }
}
```

To Update a Virtual Service

In this REST API call, the parameters can be passed in a Simple JSON request or a Nested JSON request based on the parameters that needs to be modified. For information on JSON requests, see **Request Syntax**.

URL: /v1/virtual_services/{virtual_service_id}

Method: PUT

Description: Updates the values of given parameters in the given service.

Parameter Name	Data Type	Mandatory	Description
Input Parameters:			
ip_address	Numeric	Optional	The virtual IP address that will be used for accessing this application.
port	Numeric	Optional	The port number on which your web server responds.
certificate	Alphanumeric	Conditional	The certificate that needs to be presented to the browser when accessing this Service. Note: This is a required parameter ONLY when the service is HTTPS, Instant SSL, Custom SSL or FTP SSL
service_hostname	Alphanumeric	Conditional	The domain name to identify and rewrite HTTP requests to HTTPS. Note: This is a required parameter ONLY when the service is Instant SSL.
status	String	Optional	The status of the virtual service. The values include: • enable • disable
mask	Numeric	Optional	The netmask of the associated IP address.
enable_access_logs	String	Optional	Specifies whether to log every request made to this Service or not. The values include: • yes - to log every request made to this Service on the BASIC > Access Logs page. • no - to disable logging.
session_timeout	Numeric	Optional	The time-out period in seconds for persistent connections with clients. Zero (0) indicates that the session never times out (session lives forever).
comments	Alphanumeric	Optional	Description/comment for updating the parameter values.
security.web_firewall_policy	Enumeration	Optional	A web firewall policy to be associated with the service. The enumerated values include: • default • sharepoint • sharepoint2013 • owa • owa2010 • owa2013 • oracle
security.web_firewall_log_level	Enumeration	Optional	The threshold for logging the error messages for the service. The enumerated values include: • emergency - System is unusable (highest priority) • alert - Response must be taken immediately • critical - Critical conditions • error - Error conditions • warning - Warning conditions • notice - Normal but significant condition • information - Informational messages (on ACL configuration changes) • debug - Debug level messages (lowest priority)
security.mode	String	Optional	The mode to determine how the service responds to the offending traffic. The enumerated values include: • passive - This mode allows the intrusions to be passed to the server, but logs the events. • active - This mode blocks the intrusions and logs the events.
security.trusted_hosts_action	String	Optional	The action to be performed for a set of trusted hosts accessing the service. The values include: • allow • passive • default

security.trusted_hosts_group	String	Optional	<p>The trusted hosts group to which the Trusted Hosts Action needs to be applied.</p> <p>Note: If you want to remove the associated trusted hosts group, pass the double inverted commas without space (""") in the request. Example: {"security":{"trusted_hosts_group":""}}}</p>
security.ignore_case	String	Optional	<p>Determines how, for this service, the URLs are matched to rules like URL ACLs and URL Profiles. The values include:</p> <ul style="list-style-type: none"> • yes • no
security.client_ip_addr_header	Alphanumeric	Optional	<p>The name of the header in which the client IP address is stored for identification by the server.</p>
security.rate_control_status	String	Optional	<p>The rate control pool status. The enumerated values include:</p> <ul style="list-style-type: none"> • on • off
security.rate_control_pool	String	Optional	<p>The rate control pool to be associated with the service to limit the rate of requests.</p>
load_balance.algorithm	Enumeration	Optional	<p>The algorithm to be used to distribute incoming requests for the service. The enumerated values include:</p> <ul style="list-style-type: none"> • round_robin • weighted_round_robin • weighted_least_connection
load_balance.persistence_idle_timeout	Numeric	Optional	<p>The maximum idle time (in seconds) for a persistent connection.</p>
load_balance.persistence_method	Enumeration	Optional	<p>The Persistence Method to be used to maintain the connection between a client and the first server that it connects to, even when the system is load balancing traffic. The enumerated values include:</p> <ul style="list-style-type: none"> • none • source_ip <ul style="list-style-type: none"> ◦ source_ip_netmask • cookie_insert <ul style="list-style-type: none"> ◦ persistence_cookie_name ◦ persistence_cookie_domain ◦ persistence_cookie_path ◦ cookie_age • cookie_passive <ul style="list-style-type: none"> ◦ persistence_cookie_name ◦ persistence_cookie_domain ◦ persistence_cookie_path ◦ cookie_age • http_header <ul style="list-style-type: none"> ◦ header_name • url_parameter <ul style="list-style-type: none"> ◦ parameter_name
load_balance.failover_method	Enumeration	Optional	<p>The failover method to be used when responding to a request which is persistent, but the server that must serve the request is failed or set to "Out-of-Service". The enumerated values include:</p> <ul style="list-style-type: none"> • load_balance - The requests to be load balanced between the "alive" servers. • error - Sends "503 service unavailable" error message. This method is not supported for the persistence method "Source IP".
load_balance.persistence_idle_timeout	Numeric	Optional	<p>The maximum idle time (in seconds) for a persistent connection. A client is directed to the same Real Server unless the connection is inactive for more than the specified number of seconds.</p>

load_balance.source_ip_netmask	Numeric	Conditional	A subnet mask to make subsequent connections from clients, from the same subnet go to the same Real Server. Note: This is required ONLY when Persistence Method is <i>source_ip</i> .
load_balance.persistence_cookie_name	Alphanumeric	Conditional	The name of the cookie that will be used for persistence. Note: This is required ONLY when Persistence Method is <i>cookie_insert</i> or <i>cookie_passive</i> .
load_balance.persistence_cookie_domain	Alphanumeric	Optional	The domain name of the server of a persistency cookie. Note: This is required ONLY when Persistence Method is <i>cookie_insert</i> or <i>cookie_passive</i> .
load_balance.persistence_cookie_path	URL	Optional	The path property of the persistency cookie. Note: This is required ONLY when Persistence Method is <i>cookie_insert</i> or <i>cookie_passive</i> .
load_balance.cookie_age	Numeric	Conditional	The expiry age of the persistence cookie in minutes.
load_balance.header_name	Alphanumeric	Conditional	The name of the header for which the value needs to be checked in the HTTP requests. Note: This is required ONLY when Persistence Method is <i>http_header</i> .
load_balance.parameter_name	Alphanumeric	Conditional	The name of the parameter for which the value needs to be checked in the URL. Note: This is required ONLY when Persistence Method is <i>url_parameter</i> .
ssl_offloading.status	String	Optional	The SSL status of the service. The values include: • on • off
ssl_offloading.certificate	Alphanumeric	Conditional	The certificate that needs to be presented to the client accessing the service. Note: This is required when SSL status is On.
ssl_offloading.ecdsa_certificate	Alphanumeric	Optional	The ECDSA certificate that needs to be presented to the client accessing the service.
ssl_offloading.enable_ssl_3	String	Optional	SSL 3.0 protocol to be used by the clients to establish the connection to the service. The values include: • yes • no
ssl_offloading.enable_tls_1	String	Optional	TLS 1.0 protocol to be used by the clients to establish the connection to the service. The values include: • yes • no
ssl_offloading.enable_tls_1_1	String	Optional	TLS 1.1 protocol to be used by the clients to establish the connection to the service. The values include: • yes • no
ssl_offloading.enable_tls_1_2	String	Optional	TLS 1.2 protocol to be used by the clients to establish the connection to the service. The values include: • yes • no
ssl_offloading.enable_sni	String	Optional	The status of Server Name Indication (SNI). The values include: • yes • no
ssl_offloading.enable_strict_sni_check	String	Optional	Specifies whether to block access to non-SNI clients or not. The values include: • yes • no

ssl_offloading.domain	Alphanumeric	Conditional	<p>The domain name for which the SNI check needs to be enforced. You can specify multiple domain names with comma (,) as a delimiter without any space.</p> <p>Note:</p> <ul style="list-style-type: none"> This is a required parameter when enable_sni is set to Yes. When domain is passed as a parameter in the API request, sni_certificate should be specified along with the domain. Also, optionally you can specify the ECDSA certificate by passing sni_ecdsa_certificate.
ssl_offloading.sni_certificate	Alphanumeric	Conditional	<p>The certificate(s) to be associated with the specified domain(s) name.</p> <p>This is a required parameter when enable_sni is set to Yes.</p>
ssl_offloading.sni_ecdsa_certificate	Alphanumeric	Optional	<p>The ECDSA certificate to be associated with the specified domain(s) name.</p>
ssl_offloading.enable_pfs	String	Optional	<p>Specifies whether to create a new ephemeral public-private key pair for every SSL/TLS session. The Values include:</p> <ul style="list-style-type: none"> yes no
ssl_offloading.ciphers	Enumeration	Optional	<p>Specifies the ciphers to be used for the service. The enumerated values include:</p> <ul style="list-style-type: none"> default custom <p>For information on how to pass custom ciphers in a request, refer to the example given below (see <i>Example 2</i>).</p>
ssl_offloading.selected_ciphers	String	Optional	<p>The cipher suits to be used when ciphers is set to <i>custom</i>. Use comma (,) as a separator to specify multiple cipher suits.</p> <p>For information on how to pass custom ciphers in a request, refer to the example given below (see <i>Example 2</i>).</p>
ssl_offloading.override_ciphers_ssl3	String	Optional	<p>The cipher suits to be used to override the default set of ciphers associated with the SSL3.0 protocol.</p> <p>Note:</p> <ul style="list-style-type: none"> Use comma (,) as a separator to specify multiple cipher suits. This is applicable only when enable_ssl_3 is set to Yes. <p>For information on how to pass override ciphers in a request, refer to the example given below (see <i>Example 3</i>).</p>
ssl_offloading.override_ciphers_tls_1	String	Optional	<p>The cipher suits to be used to override the default set of ciphers associated with the TLS1.0 protocol.</p> <p>Note:</p> <ul style="list-style-type: none"> Use comma (,) as a separator to specify multiple cipher suits. This is applicable only when enable_tls_1 is set to Yes. <p>For information on how to pass override ciphers in a request, refer to the example given below (see <i>Example 3</i>).</p>
ssl_offloading.override_ciphers_tls_1_1	String	Optional	<p>The cipher suits to be used to override the default set of ciphers associated with the TLS1.1 protocol.</p> <p>Note:</p> <ul style="list-style-type: none"> Use comma (,) as a separator to specify multiple cipher suits. This is applicable only when enable_tls_1_1 is set to Yes. <p>For information on how to pass override ciphers in a request, refer to the example given below (see <i>Example 3</i>).</p>

ssl_offloading.enable_client_authentication	String	Optional	Specifies whether to enable or disable client authentication for the service, or the content rules configured under the service. The enumerated values include: <ul style="list-style-type: none"> • disable • for_service • for_selected_rule(s)
ssl_offloading.enforce_client_certificate	String	Conditional	Determines if the clients are required to present their certificate when connecting to the service. The values include: <ul style="list-style-type: none"> • yes • no Note: <ul style="list-style-type: none"> • enforce_client_certificate should be set to <i>yes</i> when enable_client_authentication is set to <i>for_service</i>, • enforce_client_certificate is enabled by default when enable_client_authentication is set to <i>for_selected_rule(s)</i>.
ssl_offloading.client_authentication_rules	String	Conditional	The rules to which users must present their certificate when accessing the service. Note: This is applicable only when enable_client_authentication is set to <i>for_selected_rule(s)</i> .
ssl_offloading.trusted_certificates	String	Optional	The trusted certificate to be used to validate the certificates presented by the clients connecting to this service.
instant_ssl.status	String	Optional	The status of instant SSL policy. The values include: <ul style="list-style-type: none"> • on • off
instant_ssl.secure_site_domain	Alphanumeric	Optional	The domain names for links embedded in a request. Sets which absolute URLs to rewrite in responses when Rewrite "status" is enabled; only URLs from these domain(s) are rewritten. Asterisk (*) means all inclusive.
instant_ssl.sharepoint_rewrite_support	String	Optional	Specifies whether to provide support for SharePoint rewrite or not. Sharepoint rewrite support is relevant only if an Instant SSL service is created to protect a Microsoft SharePoint application. The values include: <ul style="list-style-type: none"> • on • off
advanced_configuration.enable_web_application_firewall	String	Optional	Specifies whether to enable or disable Web Application Firewall for this service. Note that Web Application Firewall globally manages network protection against attacks. By default, this is set to Yes. Select " no " if you want to temporarily disable Web Application Firewall without losing the configuration settings. The values include: <ul style="list-style-type: none"> • yes • no
advanced_configuration.keepalive_requests	Numeric	Optional	The maximum number of requests allowed on a persistent HTTP connection.
advanced_configuration.ntlm_ignore_extra_data	String	Optional	Specifies whether or not the Barracuda Web Application Firewall prematurely closes the TCP connection, when it receives a 401 error code from the Server, during the NTLM authentication process. The values include: <ul style="list-style-type: none"> • yes • no

Example 1:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/service1 -u
'eyJldCI6IjEzNzk2NzUwNTYiLCJwYXNzd29yZCI6IjA1MTJhYWE1MWI3YWU3MTQxNjAxYzYzM2NzE5LnN
```

```
TM2NTM0liwidXNlci6lmFkbWluln0=\n:' -X PUT -H Content-Type:application/json -d
'{"load_balance":{"failover_method":"ERROR"},"security":{"mode":"PASSIVE","web_firewall_policy":"sharepoint"},"ssl_offloading":{"enable_sni":yes,"enable_tls_1":yes}}'
```

Response:

```
{"id":"service1","token":"eyJldCI6IjE0NTY5OTc4NDUiLCJwYXNzd29yZCI6ImFjMjY2ZTMzNjU3N2I0
Y2FIYTY5OWRIYWMyVmMmIzliwidXNlci6lmFkbWluln0=\n"}
```

Example 2:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/service1 -
u 'eyJldCI6IjE0NTY5OTg4NTIiLCJwYXNzd29yZCI6IjQwODJlOTQyNjhhNm0ZmUxOTg5Mjg1Yzg4\nM
DjkNDEExliwidXNlci6lmFkbWluln0=\n:' -X PUT -H Content-Type:application/json -
d '{"ssl_offloading":{"status":"on","enable_sni":"yes","enforce_client_certificate":"yes","certifica
te":"certificate1","domain":["yourdomain.com","brdomain.com"],"sni_certificate":["certificate1",
"Certificate10"],"sni_ecdsa_certificate":["Certificate2","Certificate3"],"trusted_certificates":["cert
1"],"ciphers":"custom","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,RC4-SHA"]}'
```

Response:

```
{"id":"service1","token":"eyJldCI6IjE1MDQ1MTcxNDEiLCJwYXNzd29yZCI6ImU0ZWVjMzBjYTEyNjd
iYzhkYWRIZDg5YWQx\nMmI0ODU2liwidXNlci6lmFkbWluln0=\n"}
```

Example 3:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/service1 -
u 'eyJldCI6IjE0NTk0MDcxMzUiLCJwYXNzd29yZCI6ImJhMzYyZmM5NTQwMmMyZGNIbGNI3NGE1ND
Zl\nNDYyYjZmliwidXNlci6lmFkbWluln0=\n:' -X PUT -H Content-Type:application/json -
d '{"ssl_offloading":{"override_ciphers_tls_1":["AES256-GCM-SHA384,AES256-SHA256,AES256-
SHA,CAMELLIA256-SHA,DES-CBC3-SHA"]}'
```

Response:

```
{ "id": "service1", "token": "eyJldCI6IjE0NTk0MDczNjUiLCJwYXNzd29yZCI6ImU5M2MwMmJiNDZjODI3YjgzNzQ4ZWUxNmE4\nYmRkYTJiliwidXNlciI6ImFkbWluln0=\n" }
```

Examples for SSL Client Authentication

Example 1: To Disable Client Authentication

Request:

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/service -u  
'eyJldCI6IjE0NTI2ODg5MzUiLCJwYXNzd29yZCI6ImY3NmYxODFmYTlyNTUwNDRiN2U1MDBhNDZk\nnYWUxMjJiliwidXNlciI6ImFkbWluln0=\n:' -X PUT -H Content-Type:application/json -d  
'{"ssl_offloading":{"enable_client_authentication":"disable"}}'
```

Response:

```
{ "id": "service", "token": "eyJldCI6IjE0NTI2ODkxNDIiLCJwYXNzd29yZCI6ImQyZjI1MjUxOWM5NWU5\nNGQyMWI0YjA4Njk2\nNDZmYTk5IiwiwidXNlciI6ImFkbWluln0=\n" }
```

Example 2: To Enable Client Authentication for a Service

Request:

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/service -u  
'eyJldCI6IjE0NTI3NTE1MDgiLCJwYXNzd29yZCI6ImFiZjMxMTZiNTNiYjYzNzI0NzdkYWlyNzk1\nnZmFkZDI1IiwiwidXNlciI6ImFkbWluln0=\n:' -X PUT -H Content-Type:application/json -d  
'{"ssl_offloading":{"enable_client_authentication":"for_service","trusted_certificates":["trust"]}}'
```

Response:

```
{ "id": "service", "token": "eyJldCI6IjE0NTI3NTE3OTciLCJwYXNzd29yZCI6ImViMTRhZDM1YTQ1NWY\n4MjBhZDgzMzZjZTg2\nnMmZlZDQ3IiwiwidXNlciI6ImFkbWluln0=\n" }
```

Example 3: To Enable Client Authentication for Rule(s)

Request:

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/service -u  
'eyJldCI6IjE0NTI3NTE1MDgiLCJwYXNzd29yZCI6ImFiZjMxMTZiNTNiYjYzNzI0NzdkYWlyNzk1\nnZmFkZDI1IiwiwidXNlciI6ImFkbWluln0=\n:' -X PUT -H Content-Type:application/json -d
```

```
'{"ssl_offloading":{"enable_client_authentication":"for_selected_rule(s)","client_authentication_rules":["RG1"],"trusted_certificates":["trust"]}}'
```

Response:

```
{"id":"service","token":"eyJldCI6IjE0NTI3NTE4ODAiLCJwYXNzd29yZCI6ImEzN2FmNDE1NmU2OWNiZDNhMGRlYWZjNzcx\nYzRmZTljliwidXNlci6ImFkbWluIn0=\n"}
```

To Delete a Virtual Service

URL: /v1/virtual_services/{virtual_service_id}
Method: DELETE
Description: Deletes the given service.

Example:**Request:**

```
curl http://192.168.0.1:8000/restapi/v1/virtual_services/demo_service -u  
'eyJldCI6IjE0ODAyMzQyMzEiLCJwYXNzd29yZCI6ImEzNjU5ZGlxZDUwMzc3MTJlYzJhMDkzNTgy\nOGEwYTA2liwidXNlci6ImFkbWluIn0=\n': -X DELETE
```

Response:

```
{"msg":"Successfully  
deleted","token":"eyJldCI6IjE0ODAyMzcwMzEiLCJwYXNzd29yZCI6ImNkNjRjZDZjNTE5ZWQ4ZTFiZ  
ThkZjQ4YjNh\nYjE2Mjl1liwidXNlci6ImFkbWluIn0=\n"}
```

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