



# Aviatrix Cloud Services Gateway Controller API Reference

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## 1 Login

### 1.1 Description

Login to controller with valid username and password.

### 1.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "login"</p> <p>Default: None</p> <p>Required: Yes</p>
username	<p>The user name for the account.</p> <p>Type: String</p> <p>Valid Value: "admin" or an existing user account name</p> <p>Default: None</p> <p>Required: Yes</p>
password	<p>The password for the account.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 1.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
CID	<p>API session ID</p> <p>Type: String</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 1.4 Example Request

<https://192.168.0.251/v1/api?action=login&username=admin&password=password>

## 1.5 Example Response

```
{
  "return": true,
  "results": "User login:admin in account:admin has been authorized
successfully - Please check email confirmation.",
  "CID": "57e098ed708a8"
}

{
  "return": false,
  "reason": "User name\/password does not match"
}
```

## 2 Setup Admin E-mail Address

### 2.1 Description

Setup admin user's e-mail address. This API is required for initial setup.

### 2.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "add_admin_email_addr"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
admin_email	<p>E-mail address of admin user to be set.</p> <p>Type: String</p> <p>Valid Value: Any valid e-mail address</p> <p>Default: None</p> <p>Required: Yes</p>

### 2.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 2.4 Example Request

```
https://192.168.0.251/v1/api?action=add_admin_email_addr&admin_email=test@abc.xyz&CID=54557b087a48a
```

### 2.5 Example Response

```
{
  "return": true,
```



```
"results": "admin email address has been successfully added"  
}
```

### 3 Setup Customer ID

#### 3.1 Description

Input Customer License into CloudN system. This has to be done only once during the initial setup.

#### 3.2 Request Parameters

customer_id	The license Id provided by Aviatrix Systems. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "setup_customer_id" Default: None Required: Yes
CID	API session ID Type: String Default: None Required: Yes

#### 3.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

#### 3.4 Example Request

```
https://192.168.0.251/v1/api?
CID=54557b087a48a&action=setup_customer_id&customer_id=carmelodev-
1234567898.64
```

#### 3.5 Example Response

```
{
  "return": true,
  "results": {
```

```
  "license_list": [  
    {  
      "Lic-1411313628.4": {  
        "Verified": 0,  
        "Type": "m1.large",  
        "Expiration": "2014-12-30",  
        "Allocated": 2,  
        "IssueDate": "2014-09-21",  
        "Quantity": 10  
      }  
    }  
  ],  
  "CustomerID": "carmelodev-1234567898.64"  
}
```

## 4 View Customer ID

### 4.1 Description

View used and available licenses.

### 4.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "view_customer_id"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 4.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 4.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=view\\_customer\\_id](https://192.168.0.251/v1/api?CID=54557b087a48a&action=view_customer_id)

### 4.5 Example Response

```
{
  "return": true,
  "results": {
    "license_list": [
      {
        "Verified": 0,
        "Type": "c3.2xlarge",
        "Expiration": "2025-05-09",
```

```
    "Key": "Lic-1436897010.69",  
    "Allocated": 0,  
    "IssueDate": "2015-07-14",  
    "Quantity": "5"  
  }  
]  
}  
}
```

## 5 Upload File

### 5.1 Description

Upload a file to the Aviatrix Controller. This API is needed for Gcloud account creation to upload credential file.

### 5.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "upload_file"</p> <p>Default: None</p> <p>Required: Yes</p>
filename	<p>Name of file to be created on the server.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
contents	<p>File contents.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 5.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 5.4 Example Request

```
curl -k -data "CID=5851feeaa9df7" -data "action=upload_file" -data "filename=1.json" -data 'contents= { "type": "service_account",
```

```

"project_id": "rey2-1247",    "private_key_id":
"3f59dc6fa5a5844ba656ac8d533d548940c0a76e",    "private_key": "-----
BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAKgwggSkAgEAAoIBAQC52w/oo4qaoXqM\nHh
e1xL+ErlBbxXEG8n1IbeC6W98bWo2z3u7gbXQ0zY9zdOMfndw3smU56U6rIR3A\nno1Wkmt
VU976zbmHDwsUVR+EzXv1CSIipDiRO3RdqNyWwxfSQhG1LaBqIa17jAzJg\nnL2gZJkivAO
bWCSFFQnc7pPggOu94D07MEMR6AtxhqpioZoJnM8e71hTcyRlO3fLk\nnfzvcgvbUxrY5AM
LDKcd96jWeP0Lzfffi3Uuyh4X9F5170jrWzZU03ciWh5yQ1kJPr\nnBXDNVpEpybfy/hGaMo
hXTt/Z8o1qfHdXFV61EQWep6Jc2F/Pe+DJBjX/zfeN9ckg\nnmzWzS0KHAgMBAAECggEAM
qm88mWcngThHswUKbIxfDVH77kb0oi/GbzWPfBKGWn\nsSse9LplosDzbynsJ6H2MjXQ1+C
wlGJdogARw5uV92QHA/xSON/4hRqjqrYRPAbQ7\nnWLTltKw+SEZ505nUI7VcncCQtFn4qn
C+CyjIgarndk+rq+eYC8bD484c/E4j7Nfp\nn+DNZAtu0sjnHQSSHPWBHFDlvLfw47Qu2P+
JKFMJMzdbibuW6N5HgjJu8i1CtuCOP\nnB9G6iumNPWkJ3sPypF8Hq3TvVMPxlAsU3X3w06
zbf3+fyEdu4LRvvNff5PRBXqEI\nn/GEGx7hSvbsRU+v0kewSYtbXRMCzEjCUMvUR+lCEEQ
KBgQDlcy+ZF8V2Stce3nKW\nnjdYyUSoQzLOPVZD/b51GP0fnplvLB3At3UciHT6E0zJ+jW
SsfBi0Cnit10Y6wYoc\nnppsJrX1IJWPxXqNH9IpaAgDIImF/rfWzUHTLrPJ+hP9uSQH3tI
6bf5vonCFL0xF7\nnL8OVKiVuTAD92UGGS7KTV5xLDwKBgQDB2CE0XtKptSEhJIgXNntyFr
PnO8IfSmDd\nnzK8uW20CNSBYlW6G3LdpYj5cVHRx1clQeOswUZaOfCMtjgyPH3e4/8Rt0Z
f8tx/Y\nnvcUefLbiv8nikdBoexPtCiSmTmOvS1Ck3/3mTw3sWlN4oZpmHNZKyN8Oyiq6fu
Oe\nnGI+wr6VxQCQBgQDRIP5aI23kNynzBRF/A4SQRKVhwPfw1UgAy/ml478BObYWS9Uh\nn
ztqPz3j4NPZd61zutaFarV1bSQOWhLD8BnakY8RN10XLXwYiBdJnlDNUtrdrbudt\nn6IMI
sue+MtVsAxqBEj87cEPHslePwNlJK04qZsmTq4BgyV5R7WdOsSQcswKBgDzn\nnWi9pJ4k4
pqsSHlRQCOMkrOuXA/vu05Z9DrXC9fH+nSYX9T0cNeg/fNZnmJ0dx32o\nnMETjLYmhCTBz
9BA309blTWMvujAlnTTtEvTsPE3r8lNkevWIzg7o4/D4qitWX4Ud\nn91kYN4iuLJG3Pjqe
rtmaWTLctw4Xdg6jKupZlYJ5AoGBAI8bx1vNNWXY47guowaO\nncKy8e4nx5kvBsBrUAsNV
Ocf6gTvDteI+4L3HWgKw2HZZkF5AQ+z0LmaDcQDuQrxP\nnp8pCCMPLIJ2euNr5kDfAwoNA
0/YbwIkWZniNMnTkwaDjEWOoFENU2ha9hYFxFVUml\nn2oPWQ+pwhMPnwBm5TWUC7TQl\nn--
---END PRIVATE KEY-----\n",    "client_email": "954646242432-
compute@developer.gserviceaccount.com",    "client_id":
"102529745797019279499",    "auth_uri":
"https://accounts.google.com/o/oauth2/auth",    "token_uri":
"https://accounts.google.com/o/oauth2/token",
"auth_provider_x509_cert_url":
"https://www.googleapis.com/oauth2/v1/certs",
"client_x509_cert_url":
"https://www.googleapis.com/robot/v1/metadata/x509/954646242432-
compute%40developer.gserviceaccount.com"  }'
"https://52.32.74.89/v1/api"

```

## 5.5 Example Response

```

{
  "return": true,
  "results": "file /var/www/php/tmp/1.json is created."
}

```

## 6 Create Account

### 6.1 Description

Create an account. This has to be done by an admin. This account can be used to login to CloudN console or UserConnect controller.

### 6.2 Request Parameters

CID	The session id (API Key) that was returned during login. Method: POST Type: String Default: None Required: Yes
action	Indicating type of API to call. Method: POST Type: String Valid value: "setup_account_profile" Default: None Required: Yes
account_name	Account name. This can be used for logging in to CloudN console or UserConnect controller. Method: POST Type: String Default: None Required: Yes
account_password	Password for the account. Method: POST Type: String Default: None Required: Yes
account_email	Account email address where notifications will be sent. Method: POST Type: email Default: None Required: Yes
cloud_type	Type of cloud service provider. Method: POST Type: integer



	<p>Default: None</p> <p>Required: Yes</p> <p>1: AWS</p> <p>2: Azure</p> <p>4: Gcloud (UCC only)</p> <p>8: ARM</p> <p>256: AWS GOV (UCC only)</p> <p>512: Azure China (UCC only)</p> <p>1024: AWS China (UCC only)</p> <p>e.g.: When you create an account for AWS and Azure, cloud_type should be 3(1+2).</p>
aws_account_number	<p>AWS Account number</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when creating an account for AWS</p>
aws_iam	<p>AWS IAM-role based flag, this option is for UserConnect.</p> <p>Method: POST</p> <p>Valid value: "true"</p> <p>Default: "false"</p> <p>Required: No</p>
aws_access_key	<p>AWS Access Key</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when aws_iam is "false" and when creating an account for AWS</p>
aws_secret_key	<p>AWS Secret Key</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when aws_iam is "false" and when creating an account for AWS</p>
aws_role_arn	<p>AWS role ARN, this option is for UserConnect.</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p>

	Required: Yes when aws_iam is “true” and when creating an account for AWS
aws_role_ec2	AWS role EC2, this option is for UserConnect. Method: POST Type: String Default: None Required: Yes when aws_iam is “true” and when creating an account for AWS
azure_subscription_id	Azure subscription id Method: POST Type: String Default: None Required: Yes when creating an account for Azure
gcloud_project_name (UCC only)	Gcloud project name Method: POST Type: String Default: None Required: Yes when creating an account for Gcloud
gcloud_project_credentials (UCC only)	The Gcloud project credential file path on the controller Method: POST Type: String Default: None Required: No
arm_subscription_id	Azure RM subscription id Method: POST Type: String Default: None Required: No
arm_ad_tenant_id	Azure RM tenant ID Method: POST Type: String Default: None Required: No
arm_ad_client_id	Azure RM client ID Method: POST Type: String Default: None

	Required: No
arm_ad_client_secret	Azure RM client secret Method: POST Type: String Default: None Required: No
awsgov_account_number (UCC only)	AWS GOV account number Method: POST Type: String Default: None Required: Yes when creating an account for AWS GOV
awsgov_access_key (UCC only)	AWS GOV access key Method: POST Type: String Default: None Required: Yes when creating an account for AWS GOV
awsgov_secret_key (UCC only)	AWS GOV secret key Method: POST Type: String Default: None Required: Yes when creating an account for AWS GOV
awsgov_cloudtrail_bucket (UCC only)	AWS GOV cloudtrail bucket Method: POST Type: String Default: None Required: No
azurechina_subscription_id (UCC only)	Azure China subscription id Method: POST Type: String Default: None Required: Yes when creating an account for Azure CHINA
awschina_account_number (UCC only)	AWS China account number Method: POST Type: String Default: None Required: Yes when creating an account for AWS China

awschina_access_key (UCC only)	AWS China access key Method: POST Type: String Default: None Required: Yes when creating an account for AWS China
awschina_secret_key (UCC only)	AWS China secret key Method: POST Type: String Default: None Required: Yes when creating an account for AWS China

### 6.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 6.4 Example Request

```

https://192.168.0.251/v1/api
Method: POST
{
  "CID": "54557b087a48a",
  "action": "setup_account_profile",
  "account_name": "user2",
  "account_password": "12345",
  "account_email": "example@abc.com",
  "cloud_type": "1",
  "aws_account_number": "992805288348",
  "aws_access_key": "AKIAIWDAABCPKKWQA",
  "aws_secret_key": "9ttSeSnQvb\0lWZKCjyPsbcdYgamthksK2+1G"
}

```

The example below shows how to use curl command when `aws_secret_key` has a plus sign.

```
Curl -k -data "CID=55d26cc728d70" -data "action=setup_account_profile"
-data "account_name=devtest" -data "account_password=password" -data
"account_email=customer123@youremail.com" -data "cloud_type=1" -data
"aws_account_number=123456789012" -data
"aws_access_key=AKIAIYMGUXF6HY7NJ3XQ" -data-urlencode
"aws_secret_key=TjAs4T4G1S962vzJFJk/wUI7TVF3qKW+twJ75Lka"
"https://192.168.0.251/v1/api"
```

## 6.5 Example Response

```
{
  "return": true,
  "results": "An email with instructions has been sent to
customer123@youremail.com"
}
```

## 7 Edit Account

### 7.1 Description

Edit an account. This has to be done by an admin. This account can be used to login to CloudN console or UserConnect controller.

### 7.2 Request Parameters

CID	The session id (API Key) that was returned during login. Method: POST Type: String Default: None Required: Yes
action	Indicating type of API to call. Method: POST Type: String Valid value: "edit_account_profile" Default: None Required: Yes
account_name	Account name. This can be used for logging in to CloudN console or UserConnect controller. Method: POST Type: String Default: None Required: Yes
cloud_type	Type of cloud service provider. Method: POST Type: integer Default: None Required: Yes 1: AWS 2: Azure 4: Gcloud (UCC only) 8: ARM 256: AWS GOV (UCC only) 512: Azure China (UCC only) 1024: AWS China (UCC only) e.g.: When you create an account for AWS and Azure, cloud_type should be 3(1+2).

aws_account_number	<p>AWS Account number</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when creating an account for AWS</p>
aws_iam	<p>AWS IAM-role based flag, this option is for UserConnect.</p> <p>Method: POST</p> <p>Valid value: "true"</p> <p>Default: "false"</p> <p>Required: No</p>
aws_access_key	<p>AWS Access Key</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when aws_iam is "false" and when creating an account for AWS</p>
aws_secret_key	<p>AWS Secret Key</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when aws_iam is "false" and when creating an account for AWS</p>
aws_role_arn	<p>AWS role ARN, this option is for UserConnect.</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when aws_iam is "true" and when creating an account for AWS</p>
aws_role_ec2	<p>AWS role EC2, this option is for UserConnect.</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when aws_iam is "true" and when creating an account for AWS</p>
azure_subscription_id	<p>Azure subscription id</p> <p>Method: POST</p> <p>Type: String</p>

	<p>Default: None</p> <p>Required: Yes when creating an account for Azure</p>
<p>gcloud_project_name (UCC only)</p>	<p>Gcloud project name</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
<p>gcloud_project_credentials (UCC only)</p>	<p>The Gcloud project credential file path on the controller</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
<p>arm_subscription_id</p>	<p>Azure RM subscription id</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
<p>arm_ad_tenant_id</p>	<p>Azure RM tenant ID</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
<p>arm_ad_client_id</p>	<p>Azure RM client ID</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
<p>arm_ad_client_secret</p>	<p>Azure RM client secret</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
<p>awsgov_account_number (UCC only)</p>	<p>AWS GOV account number</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p>



	Required: Yes when creating an account for AWS GOV
awsgov_access_key (UCC only)	AWS GOV access key Method: POST Type: String Default: None Required: Yes when creating an account for AWS GOV
awsgov_secret_key (UCC only)	AWS GOV secret key Method: POST Type: String Default: None Required: Yes when creating an account for AWS GOV
awsgov_cloudtrail_bucket (UCC only)	AWS GOV cloudtrail bucket Method: POST Type: String Default: None Required: No
azurechina_subscription_id (UCC only)	Azure China subscription id Method: POST Type: String Default: None Required: Yes when creating an account for Azure CHINA
awschina_account_number (UCC only)	AWS China account number Method: POST Type: String Default: None Required: Yes when creating an account for AWS China
awschina_access_key (UCC only)	AWS China access key Method: POST Type: String Default: None Required: Yes when creating an account for AWS China
awschina_secret_key (UCC only)	AWS China secret key Method: POST Type: String Default: None Required: Yes when creating an account for AWS China

### 7.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 7.4 Example Request

<https://192.168.0.251/v1/api>

Method: POST

```
{
  "CID": "54557b087a48a",
  "action": "edit_account_profile",
  "account_name": "user2",
  "cloud_type": "1",
  "aws_account_number": "992805288348",
  "aws_access_key": "AKIAIWDAABCPKKKWA",
  "aws_secret_key": "9ttSeSnQvb\01WZKCjyPsbcdYgamthksK2+1G"
}
```

The example below shows how to use curl command when aws\_secret\_key has a plus sign.

```
Curl -k -data "CID=55d26cc728d70" -data "action=edit_account_profile"
-data "account_name=devtest" -data "cloud_type=1" -data
"aws_account_number=123456789012" -data
"aws_access_key=AKIAIYMGUXF6HY7NJ3XQ" -data-urlencode
"aws_secret_key=TjAs4T4G1S962vzJFJk/wUI7TVF3qKW+twJ75Lka"
"https://192.168.0.251/v1/api"
```

### 7.5 Example Response

```
{
  "return": true,
  "results": "An email with instructions has been sent to
customer123@youremail.com"
}
```

## 8 Delete Account

### 8.1 Description

Delete a CloudN/UserConnect account. This has to be done by a CloudN/UserConnect admin.

### 8.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "delete_account_profile"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
account_name	<p>The name of account to be deleted</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 8.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 8.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=delete_account_p
rofile&account_name=user2
```

### 8.5 Example Response

```
{
  "return": false,
  "reason": "account user1 does not exist"
```

```
}
```

## 9 List Accounts

### 9.1 Description

List all the accounts.

### 9.2 Request Parameters

CID	The session id (API key) that was returned during login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "list_accounts" Default: None Required: Yes

### 9.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 9.4 Example Request

[https://192.168.0.251/v1/api?action=list\\_accounts&CID=54557b087a48a](https://192.168.0.251/v1/api?action=list_accounts&CID=54557b087a48a)

### 9.5 Example Response

```
{
  "return": true,
  "results": {
    "account_list": [
      {
        "sqs_name": "",
        "account_email_addr": "test@aviatrix.com",
        "trail_status": "",

```

```
    "azurechinacloud_subscription_id": "",
    "azure_cert_path": "\\var\\cloudx\\cloudn_azure.pem",
    "account_access_key": "",
    "awsgovcloud_secret_key": "",
    "awsgovcloud_access_key": "",
    "aws_role_ec2": "",
    "awsgovcloud_trail_status": "",
    "azurechinacloud_cert_path": "",
    "project": "",
    "account_password": "",
    "account_secret_access_key": "",
    "account_number": "",
    "azure_subscription_id": "ba6335d7-479b-47b7-8a0f-
03005297ad91",
    "cloud_type": 2,
    "awsgovcloud_account_number": "",
    "account_name": "arm-personal-new",
    "aws_role_arn": ""
  },
  {
    "trail_status": "",
    "arm_ad_client_id": "2f7a82dd-7919-4148-8653-84305f991407",
    "awsgovcloud_trail_status": "",
    "account_secret_access_key": "",
    "awsgovcloud_account_number": "",
    "azurechinacloud_cert_path": "",
    "cloud_type": 10,
    "azurechinacloud_subscription_id": "",
    "account_name": "aviatrix-corp-arm",
    "sqs_name": "",
    "account_email_addr": "test@aviatrix.com",
    "account_access_key": "",
    "awsgovcloud_access_key": "",
    "aws_role_ec2": "",
    "azure_subscription_id": "ba6335d7-479b-47b7-8a0f-
03005297ad91",
    "aws_role_arn": "",
    "azure_cert_path": "\\var\\cloudx\\cloudn_azure.pem",
    "awsgovcloud_secret_key": "",
```

```
    "arm_ad_client_secret":  
    "Qopb6n4DPglUmkm7IanEz4xFflNPFpWVq6kqyw4mBAk=",  
    "arm_subscription_id": "ba6335d7-479b-47b7-8a0f-03005297ad91",  
    "project": "",  
    "account_password": "",  
    "account_number": "",  
    "arm_ad_tenant_id": "4780055e-ce37-4f02-b33d-fdad8493a4b6"  
  }  
]  
}  
}
```

## 10 Change Account User Password

### 10.1 Description

Change account user password, including admin user.

### 10.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "change_password"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
account_name	<p>User's account name whose password is to be changed</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
user_name	<p>The name of user whose password is to be changed</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
old_password	<p>User's current password</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
password	<p>User's new password</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 10.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p>



	Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 10.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=change\\_password&account\\_name=admin&user\\_name=user2&old\\_password=12345&password=password](https://192.168.0.251/v1/api?CID=54557b087a48a&action=change_password&account_name=admin&user_name=user2&old_password=12345&password=password)

### 10.5 Example Response

```
{
  "return": true,
  "results": "User login:admin password has been changed successfully
- Please check email confirmation."
}
```

## 11 Add VPN User and attach it to Profile

### 11.1 Description

Add a VPN user and bind it to a VPC. Attaching the user to a profile is possible as well.

### 11.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "add_vpn_user"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>VPC ID to where the user will be added</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
username	<p>User's name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
user_email	<p>User's email address. If not specified, user will be considered as an external one.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
profile_name	<p>Optional profile name. If specified, user will be attached to the profile automatically.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
lb_name	<p>Optional ELB name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>

### 11.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 11.4 Example Request

```
https://54.164.39.64/v1/api?CID=57030512b75b9&action=add_vpn_user&vpc
id=vpcl&username=user1&user_email=test@aviatrix.com&profile name=profi
le1
```

### 11.5 Example Response

```
{
  "return": false,
  "reason": "This VPC has no gateways associated with it, you can not
add users."
}
```

## 12 Delete VPN User

### 12.1 Description

Delete a VPN user.

### 12.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "delete_vpn_user"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>VPC ID from where the user will be deleted</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
username	<p>User's name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 12.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 12.4 Example Request

```
https://54.164.39.64/v1/api?CID=57030512b75b9&action=delete_vpn_user&vpc_id=vpcl&username=user1
```

## 12.5 Example Response

```
{
  "return": false,
  "reason": "command delete_vpn_user failed due to exception errors
'vpc_region'<p></p> An email notification with exception reason and
trace log has been sent to support@aviatrix.com for troubleshooting.
Feel free to contact Aviatrix support engineers. Sorry about the
problem and thanks for your support!"
}
```

## 13 List Profile Policies

### 13.1 Description

List all the policies set for a profile.

### 13.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_profile_policies"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
profile_name	<p>The name of profile.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 13.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 13.4 Example Request

```
https://54.197.89.96/v1/api?CID=57dfd1214b83f&action=list_profile_policies&profile_name=marketing
```

### 13.5 Example Response

```
{
  "return": true,
  "results": {
```

```
"policies": [  
  {  
    "action": "allow",  
    "protocol": "all",  
    "target": "192.168.0.2\/24",  
    "port": "0:65535"  
  },  
  {  
    "action": "allow",  
    "protocol": "all",  
    "target": "192.168.128.0\/20",  
    "port": "0:65535"  
  },  
  {  
    "action": "allow",  
    "protocol": "icmp",  
    "target": "192.168.112.0\/20",  
    "port": "0:65535"  
  }  
]  
}
```

## 14 Update Profile Policy

### 14.1 Description

Update security policy of an existing profile.

### 14.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "update_profile_policy"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
profile_name	<p>The name of profile whose security policy to be updated.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
policy	<p>New security policy for the profile.</p> <p>Type: String (valid JSON)</p> <p>4 fields are required for each policy item: protocol, target, port and action.</p> <p>Valid values for protocol: "all", "tcp", "udp", "icmp", "sctp", "rdp", "dccp"</p> <p>Valid values for target: CIDRs separated by comma</p> <p>e.g.: "10.30.0.0/16,10.45.0.0/20"</p> <p>Valid values for port: a single port or a range of port numbers</p> <p>e.g.: "25", "25:1024"</p> <p>Valid values for action: "allow" and "deny"</p> <p>Default: None</p> <p>Required: Yes</p>

### 14.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>



results	results if return is true Type: String Valid Values: result is empty string if return is "false"
---------	--

#### 14.4 Example Request

```
https://54.197.89.96/v1/api?CID=57dfd1214b83f&action=update_profile_policy&profile_name=marketing&policy=[{"action": "allow", "target": "10.45.0.0/16", "port": "12002", "protocol": "udp"}]
```

#### 14.5 Example Response

```
{  
  "return": true,  
  "results": "marketing policy rules have been updated..."  
}
```

## 15 Add User Profile

### 15.1 Description

Add a new user profile.

### 15.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "add_user_profile"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
profile_name	<p>Name of the profile to be added.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
base_policy	<p>Base policy rule of the profile to be added.</p> <p>Type: String</p> <p>Valid value: "allow_all" and "deny_all"</p> <p>Default: None</p> <p>Required: Yes</p>

### 15.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 15.4 Example Request

```
https://54.197.89.96/v1/api?CID=57dfd1214b83f&action=add\_user\_profile&profile\_name=new\_profile&base\_policy=allow\_all
```

### 15.5 Example Response

```
{  
  "return": true,  
  "results": "success"  
}
```

## 16 Delete User Profile

### 16.1 Description

Delete an existing user profile.

### 16.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "del_user_profile"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
profile_name	<p>Name of the profile to be deleted.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 16.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 16.4 Example Request

```
https://54.197.89.96/v1/api?CID=57dfd1214b83f&action=del_user_profile&profile_name=new_profile
```

### 16.5 Example Response

```
{
  "return": true,
  "results": "success"
```

```
}
```

## 17 Add Profile Member

### 17.1 Description

Add a user to a profile as a profile member.

### 17.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “add_profile_member”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
profile_name	<p>The name of profile the user to be added to.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
username	<p>The name of user</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 17.3 Response Elements

return	<p>API return</p> <p>Type: String (“true” or “false”)</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is “false”.</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is “true”</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is “false”</p>

### 17.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=add\\_profile\\_member&profile\\_name=dev&username=devuser](https://192.168.0.251/v1/api?CID=54557b087a48a&action=add_profile_member&profile_name=dev&username=devuser)

### 17.5 Example Response

```
{  
  "return": true,  
  "reason": "success"  
}
```

## 18 Delete Profile Member

### 18.1 Description

Detach a user from a profile.

### 18.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “del_profile_member”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
profile_name	<p>The name of profile the user to be detached from.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
username	<p>The name of user</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 18.3 Response Elements

return	<p>API return</p> <p>Type: String (“true” or “false”)</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is “false”.</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is “true”</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is “false”</p>

### 18.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=del\\_profile\\_member&profile\\_name=dev&username=devuser](https://192.168.0.251/v1/api?CID=54557b087a48a&action=del_profile_member&profile_name=dev&username=devuser)



## 18.5 Example Response

```
{  
  "return": true,  
  "reason": "success"  
}
```

## 19 List Profiles & Members

### 19.1 Description

List profiles and their members.

### 19.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_user_profile_names"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 19.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 19.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=list\\_user\\_profile\\_names](https://192.168.0.251/v1/api?CID=54557b087a48a&action=list_user_profile_names)

### 19.5 Example Response

```
{
  "return": true,
  "results": {
    "marketing": [

    ],
    "aviatrix-dev": [
```

```
    "user1-prod",  
    "user1-dev"  
  ],  
  "aviatrix-prod": [  
    "user1-prod"  
  ]  
}  
}
```

## 20 Get Supported Gateway Sizes

### 20.1 Description

List all of supported gateway sizes for each cloud type.

### 20.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "get_gateway_supported_size"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 20.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 20.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=get\\_gateway\\_supported\\_size](https://192.168.0.251/v1/api?CID=54557b087a48a&action=get_gateway_supported_size)

### 20.5 Example Response

```
{
  "return": true,
  "results": {
    "1": [
      "t2.micro",
      "t2.small",
      "t2.medium",
```

```
    "m3.medium",
    "m3.large",
    "m3.xlarge",
    "c3.large",
    "c3.xlarge",
    "c3.2xlarge",
    "c3.4xlarge",
    "c4.2xlarge",
    "c4.4xlarge"
  ],
  "2": [
    "ExtraSmall",
    "Small",
    "Medium",
    "Large",
    "ExtraLarge",
    "A5",
    "A6",
    "A7",
    "Standard_D2",
    "Standard_D3",
    "Standard_D4",
    "Standard_D11",
    "Standard_D12",
    "Standard_D14",
    "Standard_G1",
    "Standard_G2",
    "Standard_G3",
    "Standard_G4",
    "Standard_G5",
    "Standard_D11_v2",
    "Standard_D14_v2"
  ],
  "4": [
    "f1-micro",
    "g1-small",
    "n1-standard-1",
    "n1-highcpu-2",
    "n1-standard-2",
```

```
"n1-highmem-2",
"n1-highcpu-4",
"n1-standard-4",
"n1-highmem-4",
"n1-highcpu-8",
"n1-standard-8",
"n1-highmem-8",
"n1-highcpu-16",
"n1-standard-16",
"n1-highmem-16",
"n1-highcpu-32",
"n1-standard-32",
"n1-highmem-32"
],
"8": [
  "Standard_D2",
  "Standard_D3",
  "Standard_D4",
  "Standard_D11",
  "Standard_D12",
  "Standard_D14",
  "Standard_D1_v2",
  "Standard_D2_v2",
  "Standard_D11_v2",
  "Standard_D14_v2"
],
"256": [
  "t2.micro",
  "t2.small",
  "t2.medium",
  "m3.medium",
  "m3.large",
  "m3.xlarge",
  "c3.large",
  "c3.xlarge",
  "c3.2xlarge",
  "c3.4xlarge",
  "c4.2xlarge",
  "c4.4xlarge"
```

```
],  
  "512": [  
    "ExtraSmall",  
    "Small",  
    "Medium",  
    "Large",  
    "Standard_D2",  
    "Standard_D3",  
    "Standard_D4"  
  ]  
}  
}
```

## 21 Get Supported Regions

### 21.1 Description

List all of supported regions for each cloud type.

### 21.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "get_supported_region"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 21.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 21.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action= get_supported_region
```

### 21.5 Example Response

```
{
  "return": true,
  "results": {
    "1": [
      "us-east-1",
      "us-west-1",
      "us-west-2",
```



```
    "eu-west-1",
    "eu-central-1",
    "sa-east-1",
    "ap-northeast-1",
    "ap-northeast-2",
    "ap-southeast-1",
    "ap-southeast-2",
    "ap-south-1"
  ],
  "2": [
    "North Europe",
    "West Europe",
    "East US 2",
    "Central US",
    "South Central US",
    "West US",
    "East US",
    "Southeast Asia",
    "East Asia",
    "Japan West"
  ],
  "4": [
    "asia-east1",
    "64urope-west1",
    "us-central1",
    "us-east1",
    "us-west1"
  ],
  "8": [
    "Central US",
    "East US",
    "East US 2",
    "North Central US",
    "South Central US",
    "West US",
    "North Europe",
    "West Europe",
    "East Asia",
    "Southeast Asia",
```

```
    "Japan East",
    "Japan West",
    "Brazil South",
    "Central India",
    "South India"
  ],
  "256": [
    "us-gov-west-1"
  ],
  "512": [
    "China East",
    "China North"
  ]
}
}
```

## 22 Launch an Aviatrix Gateway (Connect Legacy VPC/Vnet)

### 22.1 Description

This API applies to both CloudN (on-prem virtual appliance) and UCC (cloud controller).

For UCC, this API creates an Aviatrix gateway and launches it.

For CloudN, this API connects a legacy VPC/Vnet.

### 22.2 Request Parameters

CID	The session id (API Key) that was returned during login. Method: POST Type: String Default: None Required: Yes
action	Indicating type of API to call. Method: POST Type: String Valid value: "connect_container" Default: None Required: Yes
cloud_type	Type of cloud service provider. Method: POST Type: Integer Default: None Required: Yes 1: AWS 2: Azure 4: Gcloud (UCC only) 8: ARM 256: AWS GOV (UCC only) 512: Azure China (UCC only) 1024: AWS China (UCC only)
account_name	Account Name to use for launching this container. Method: POST Type: String Valid Values: an existing account name Default: None

	Required: Yes
gw_name	A unique name of the container. Method: POST Type: String Valid Values: <code>[a-z A-Z 0-9 \s \\ \/ \+ \@ \: \. \\- \\_]+</code> Default: None Required: Yes
vpc_reg	A region where this container will be launched. Method: POST Type: String, e.g.: "us-east-1" Default: None Required: Yes when cloud_type is not 4.
Zone	A GCE zone where this container will be launched. Method: POST Type: String Default: None Required: Yes when cloud_type is 4.
Vpc_net	A VPC Network address range selected from one of the available network ranges. Method: POST Type: String, e.g.: "172.16.32.0/20" Default: None Required: Yes
vpc_size	Size of Gateway Instance. Method: POST Type: String, e.g.: "t2.micro" Default: None Required: Yes
vpc_id	ID of legacy VPC/Vnet to be connected Method: POST Type: String Default: None Required: Yes
enable_nat	Enable NAT for this container. Method: POST Type: String, e.g.: "yes" or "no"

	<p>Valid Values: “yes” to enable NAT, and “no” to disable it</p> <p>Default: “no”</p> <p>Required: No</p>
vpn_access	<p>Enable user access through VPN to this container.</p> <p>Method: POST</p> <p>Type: String, e.g.: “yes” or “no”</p> <p>Valid Values: “yes” to enable user access through VPN, and “no” to disable it</p> <p>Default: “no”</p> <p>Required: No</p>
cidr	<p>VPN CIDR block for the container.</p> <p>Method: POST</p> <p>Type: String, e.g.: “172.16.33.0/20”</p> <p>Default: None</p> <p>Required: Yes if vpn_access is “yes”</p>
otp_mode	<p>Two step authentication mode.</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid Values: “2”: DUO, “3”: Okta</p> <p>Default: None</p> <p>Required: No</p>
duo_integration_key	<p>Integration key for DUO auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes if otp_mode is “2”</p>
duo_secret_key	<p>Secret key for DUO auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes if otp_mode is “2”</p>
duo_api_hostname	<p>API hostname for DUO auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes if otp_mode is “2”</p>

duo_push_mode	<p>Push mode for DUO auth</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid values: “auto”, “selective” and “token”</p> <p>Default: None</p> <p>Required: Yes if otp_mode is “2”</p>
okta_url	<p>URL for Okta auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes if otp_mode is “3”</p>
okta_token	<p>Token for Okta auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes if otp_mode is “3”</p>
okta_username_suffix	<p>Username suffix for Okta auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
enable_elb	<p>Specify whether to enable AWS/GCE ELB or not.</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid Values: “yes” or “no”</p> <p>Default: None</p> <p>Required: Yes when cloud_type is “1”, “4”, “256” or “1024”</p>
elb_name	<p>ELB name</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
enable_client_cert_sharing	<p>Specify whether to enable client certificate authentication sharing or not.</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid Values: “yes”</p>

	<p>Default: None</p> <p>Required: No</p>
max_conn	<p>Maximum connection of VPN access</p> <p>Method: POST</p> <p>Type: Integer</p> <p>Default: 100</p> <p>Required: No</p>
split_tunnel	<p>Specify split tunnel mode.</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid Values: "yes" or "no"</p> <p>Default: "no"</p> <p>Required: No</p>
additional_cidrs	<p>Additional CIDRs for split tunnel</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
nameservers	<p>Name servers for split tunnel</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
search_domains	<p>Search domains for split tunnel</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
enable_pbr	<p>Specify whether to enable PBR or not.</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid Values: "yes"</p> <p>Default: None</p> <p>Required: No</p>

pbr_subnet	PBR subnet CIDR Method: POST Type: String Default: None Required: No
pbr_default_gateway	PBR default gateway Method: POST Type: String Default: None Required: No
pbr_logging	Specify whether to enable PBR logging or not. Method: POST Type: String Valid Values: "yes" Default: None Required: No
enable_ldap	Specify whether to enable LDAP or not. Method: POST Type: String Valid Values: "yes" Default: None Required: No
ldap_server	LDAP server address Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_bind_dn	LDAP bind DN Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_password	LDAP password Method: POST Type: String Default: None



	Required: Yes if enable_ldap is “yes”
ldap_base_dn	LDAP base DN Method: POST Type: String Default: None Required: Yes if enable_ldap is “yes”
ldap_user_attr	LDAP user attribute Method: POST Type: String Default: None Required: Yes if enable_ldap is “yes”
ldap_additional_req	Additional requirements for LDAP Method: POST Type: String Default: None Required: No
ldap_use_ssl	Specify whether to use SSL for LDAP authentication. Method: POST Type: String Valid Values: “yes” Default: None Required: No
ldap_client_cert	LDAP client certification file path in controller. Method: POST Type: String Default: None Required: Yes if ldap_use_ssl is “yes”
ldap_ca_cert	LDAP CA certification file path in controller. Method: POST Type: String Default: None Required: Yes if ldap_use_ssl is “yes”
save_template	Specify whether to save all the above info as a template for further use. Method: POST Type: String Valid Values: “yes”

	Default: None Required: No
--	-------------------------------

### 22.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true or false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	Result of a successful API call. Type: String Valid Values: result is empty String if return is "false"

### 22.4 Example Request

```
curl -k -data "CID=55d26cc728d70" -data "action=connect_container" --
data "cloud_type=1" --data "account_name=devtest" --data "gw_name=gw1"
--data "vpc_id=vpc-5da61c38" --data "vpc_reg=us-west-2" --data
"vpc_size=t2.micro" --data "vpc_net=10.0.0.0/24-us-west-2b" --data
"save_template=yes" "https://192.168.0.251/v1/api"
```

### 22.5 Example Response

```
{
  "return": true,
  "result": "An email with instructions has been sent to
staffs@example.com"
}
```

## 23 Test LDAP Bind

### 23.1 Description

Test LDAP connection.

### 23.2 Request Parameters

CID	The session id (API Key) that was returned during login. Method: POST Type: String Default: None Required: Yes
action	Indicating type of API to call. Method: POST Type: String Valid value: "test_ldap_bind" Default: None Required: Yes
ldap_server	LDAP server address Method: POST Type: String Default: None Required: Yes
ldap_bind_dn	LDAP bind DN Method: POST Type: String Default: None Required: Yes
ldap_password	LDAP password Method: POST Type: String Default: None Required: Yes
ldap_base_dn	LDAP base DN Method: POST Type: String Default: None

	Required: Yes
ldap_username_attribute	LDAP user attribute Method: POST Type: String Default: None Required: Yes
ldap_user	LDAP username Method: POST Type: String Default: None Required: No
ldap_additional_req	Additional requirements for LDAP Method: POST Type: String Default: None Required: No
ldap_use_ssl	Specify whether to use SSL for LDAP authentication. Method: POST Type: String Valid Values: "yes" Default: None Required: No
ldap_client_cert	LDAP client certification file path in controller. Method: POST Type: String Default: None Required: Yes if ldap_use_ssl is "yes"
ldap_ca_cert	LDAP CA certification file path in controller. Method: POST Type: String Default: None Required: Yes if ldap_use_ssl is "yes"

### 23.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true or false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	Result of a successful API call. Type: String Valid Values: result is empty String if return is "false"

### 23.4 Example Request

```
curl -k -data "CID=55d26cc728d70" -data "action=test_ldap_bind" --data "ldap_server=" --data "ldap_bind_dn=" --data "ldap_password=" --data "ldap_base_dn=" --data "ldap_username_attribute=" "https://192.168.0.251/v1/api"
```

### 23.5 Example Response

```
{
  "return": true,
  "result": "LDAP bind success."
}
```

## 24 Delete Gateway

### 24.1 Description

Delete an Aviatrix gateway.

### 24.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "delete_container" Default: None Required: Yes
cloud_type	Type of cloud service provider. Type: integer Default: None Required: Yes 1: AWS 2: Azure 4: Gcloud (UCC only) 8: ARM 256: AWS GOV (UCC only) 512: Azure China (UCC only) 1024: AWS China (UCC only)
gw_name	A unique name of the container. Type: String Default: None Required: Yes

### 24.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"

results	results if return is true Type: String Valid Values: result is empty String if return is "false"
---------	--

### 24.4 Example Request

[https://192.168.0.251/v1/api?action=delete\\_container&CID=54557b087a48a&cloud\\_type=1&gw\\_name=gw1](https://192.168.0.251/v1/api?action=delete_container&CID=54557b087a48a&cloud_type=1&gw_name=gw1)

### 24.5 Example Response

```
{  
  "return": true,  
  "result": "Gateway gw1 has been deleted."  
}
```

## 25 Create VPC Encrypted Peer Pair

### 25.1 Description

Create one encrypted tunnel between two VPCs.

### 25.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "peer_vpc_pair" Default: None Required: Yes
vpc_name1	The first VPC Container name to make a peer pair Type: String Valid Values: an existing VPC Container name Default: None Required: Yes
vpc_name2	The second VPC Container name to make a peer pair Type: String Valid Values: an existing VPC Container name Default: None Required: Yes

### 25.3 Response Elements

Return	API return Type: String ("true" or "false") Valid Values: true   false
Reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
Results	results if return is true Type: String Valid Values: result is empty String if return is "false"



### 25.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=peer_vpc_pair  
&vpc_name1=container2&vpc_name2=container2
```

### 25.5 Example Response

```
{  
  "return": true,  
  "result": "vpc pair my_vpc1 and my_vpc2 have been peered"  
}
```

## 26 List VPC Encrypted Peer Pair

### 26.1 Description

List all VPC peer pairs that have encrypted tunnels.

### 26.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "list_peer_vpc_pairs" Default: None Required: Yes

### 26.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

### 26.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=list\\_peer\\_vpc\\_pairs](https://192.168.0.251/v1/api?CID=54557b087a48a&action=list_peer_vpc_pairs)

### 26.5 Example Response

```
{
  "return": true,
  "results": {
    "pair_list": [
      {
        "over_aws_peering": "yes",
        "peering_state": "Up",
        "license": {
          "id": "Lic-1478541259.19",
```

```
    "expiration": "2017-11-07"
  },
  "peering_ha_status": "disabled",
  "cluster": "no",
  "vpc_name2": "Oregon-DevOps1-VPC",
  "vpc_name1": "Oregon-DevOps-VPC",
  "peering_link": ""
},
{
  "over_aws_peering": "no",
  "peering_state": "Up",
  "license": {
    "id": "Lic-1478541259.19",
    "expiration": "2017-11-07"
  },
  "peering_ha_status": "disabled",
  "cluster": "no",
  "vpc_name2": "Oregon-DevOps-VPC",
  "vpc_name1": "Virginia-DevOps-VPC",
  "peering_link": ""
}
]
}
}
```

## 27 Delete VPC Encrypted Peer Pair

### 27.1 Description

Delete an encrypted tunnel between 2 VPCs.

### 27.2 Request Parameters

CID	The session id(API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "unpeer_vpc_pair" Default: None Required: Yes
vpc_name1	The first VPC Container name of a peer pair Type: String Valid Values: an existing VPC Container name Default: None Required: Yes
vpc_name2	The second VPC Container name of a peer pair Type: String Valid Values: an existing VPC Container name Default: None Required: Yes

### 27.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

### 27.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=unpeer\_vpc\_pair&vpc\_name1=container1&vpc\_name2=container2
```

### 27.5 Example Response

```
{  
  "return": true,  
  "reason": "vpc peer container1 and container2 have been deleted"  
}
```

## 28 Peering HA Switch Over

### 28.1 Description

Force the fail over to the backup peering tunnel.

### 28.2 Request Parameters

CID	The session id(API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "peer_ha_switch_over" Default: None Required: Yes
vpc_name1	The first VPC Container name of a peer pair Type: String Valid Values: an existing VPC Container name Default: None Required: Yes
vpc_name2	The second VPC Container name of a peer pair Type: String Valid Values: an existing VPC Container name Default: None Required: Yes

### 28.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

## 28.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=peer_ha_switch_o  
ver&vpc_name1= Oregon-DevOps-VPC&vpc_name2= Asia-Prod-VPC
```

## 28.5 Example Response

```
{  
  "return": true,  
  "reason": "Oregon-DevOps-VPC-hagw.Asia-Prod-VPC-hagw.peer has  
successfully switched to Oregon-DevOps-VPC.Asia-Prod-VPC.peer"  
}
```

## 29 List Gateway info

### 29.1 Description

List all the gateways and its info that can be viewed in the gateway list page.

### 29.2 Request Parameters

CID	The session id(API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "list_vpcs_summary" Default: None Required: Yes
account_name	The account name to use. Type: String Valid Values: a valid account name in the system such as "admin" or "joe" Default: None Required: Yes
acx_gw_only	Applicable only for CloudN Type: String Valid values : "yes" or "no" Default: "no" For "yes" it displays acx gateways only. Otherwise displays all the gateways.

### 29.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"



## 29.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=list\_vpcs\_summary&account\_name=admin
```

## 29.5 Example Response

```
{
  "return": true,
  "results": [
    {
      "intra_vm_route": "no",
      "ha_enabled": "no",
      "direct_internet": "yes",
      "vpc_splunk_ip_port": "",
      "enable_nat": "",
      "inst_state": "running",
      "bkup_gateway_zone": "",
      "private_ip": "172.32.3.134",
      "account_name": "acct1",
      "vpc_state": "up",
      "is_hagw": "no",
      "docker_ntwk_cidr": "",
      "cloudn_gateway_inst_id": "i-09c031604a9d98874",
      "cloud_type": 1,
      "bkup_private_ip": "",
      "docker_ntwk_name": "",
      "saml_enabled": "no",
      "vpc_cidr": "172.32.0.0\20",
      "license_id": "Lic-1441848804.74",
      "max_connections": "",
      "pbr_enabled": "no",
      "gateway_zone": "eu-central-1a",
      "sandbox_ip": "52.59.170.64",
      "elb_dns_name": "",
      "vpc_region": "eu-central-1",
      "vpc_name": "gw2-eu-centrall1",
      "client_cert_auth": "disabled",
      "docker_consul_ip": "",
      "gw_subnet_id": "subnet-aba3e1c3",
      "split_tunnel": "",
      "elb_state": "disable",
    }
  ]
}
```

```
"auth_method": "None",
"vpn_cidr": "",
"vpc_type": "vpc_legacy",
"cloudn_bkup_gateway_inst_id": "",
"client_cert_sharing": "disabled",
"gw_security_group_id": "sg-03bd1c68",
"vpc_size": "t2.micro",
"expiration": "2018-03-08",
"public_ip": "52.59.170.64",
"vpc_id": "vpc-5ed45736-rey-pool001",
"vendor_name": "AWS",
"vpn_status": "disabled"
},
{
  "intra_vm_route": "no",
  "ha_enabled": "no",
  "direct_internet": "yes",
  "vpc_splunk_ip_port": "",
  "enable_nat": "",
  "inst_state": "running",
  "bkup_gateway_zone": "",
  "private_ip": "172.34.4.119",
  "account_name": "acct1",
  "vpc_state": "up",
  "is_hagw": "no",
  "docker_ntwk_cidr": "",
  "cloudn_gateway_inst_id": "i-00ddfceac2eb5fa1c",
  "cloud_type": 1,
  "bkup_private_ip": "",
  "docker_ntwk_name": "",
  "saml_enabled": "no",
  "vpc_cidr": "172.34.0.0/20",
  "license_id": "Lic-1441848804.74",
  "max_connections": "",
  "pbr_enabled": "no",
  "gateway_zone": "ap-southeast-1b",
  "sandbox_ip": "52.220.254.69",
  "elb_dns_name": "",
  "vpc_region": "ap-southeast-1",
```

```
"vpc_name": "gw3-transpool",
"client_cert_auth": "disabled",
"docker_consul_ip": "",
"gw_subnet_id": "subnet-39cc874f",
"split_tunnel": "",
"elb_state": "disable",
"auth_method": "None",
"vpn_cidr": "",
"vpc_type": "vpc_legacy",
"cloudn_bkup_gateway_inst_id": "",
"client_cert_sharing": "disabled",
"gw_security_group_id": "sg-575a2930",
"vpc_size": "t2.micro",
"expiration": "2018-03-08",
"public_ip": "52.220.254.69",
"vpc_id": "vpc-61b92305-transpool001",
"vendor_name": "AWS",
"vpn_status": "disabled"
},
{
  "intra_vm_route": "no",
  "ha_enabled": "no",
  "direct_internet": "yes",
  "vpc_splunk_ip_port": "",
  "enable_nat": "",
  "inst_state": "running",
  "bkup_gateway_zone": "",
  "private_ip": "172.31.0.174",
  "account_name": "acct1",
  "vpc_state": "up",
  "is_hagw": "no",
  "docker_ntwk_cidr": "",
  "cloudn_gateway_inst_id": "i-01f948c0c41c0acdb",
  "cloud_type": 1,
  "bkup_private_ip": "",
  "docker_ntwk_name": "",
  "saml_enabled": "no",
  "vpc_cidr": "172.31.0.0/16",
  "license_id": "Lic-1441848804.74",
```

```
    "max_connections": "",
    "pbr_enabled": "no",
    "gateway_zone": "us-east-1d",
    "sandbox_ip": "34.204.114.155",
    "elb_dns_name": "",
    "vpc_region": "us-east-1",
    "vpc_name": "gw1-northcalifornia",
    "client_cert_auth": "disabled",
    "docker_consul_ip": "",
    "gw_subnet_id": "subnet-88d194ed",
    "split_tunnel": "",
    "elb_state": "disable",
    "auth_method": "None",
    "vpn_cidr": "",
    "vpc_type": "vpc_legacy",
    "cloudn_bkup_gateway_inst_id": "",
    "client_cert_sharing": "disabled",
    "gw_security_group_id": "sg-cfd7bdb0",
    "vpc_size": "t2.micro",
    "expiration": "2018-03-08",
    "public_ip": "34.204.114.155",
    "vpc_id": "vpc-7844601e-No Name",
    "vendor_name": "AWS",
    "vpn_status": "disabled"
  }
]
}
```

## 30 List VPC Association

### 30.1 Description

List all site2cloud tunnels and peering info.

### 30.2 Request Parameters

CID	The session id(API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "list_vpccs_association" Default: None Required: Yes

### 30.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

### 30.4 Example Request

[https://192.168.0.251/v1/api?CID=54557b087a48a&action=list\\_vpccs\\_association](https://192.168.0.251/v1/api?CID=54557b087a48a&action=list_vpccs_association)

### 30.5 Example Response

```
{
  "return": true,
  "results": [
    {
      "inst_state": "running",
      "peer_connections": [
        {
```

```

    "peering_ha_status": "disabled",
    "latency": "47.855 ms",
    "color": "green",
    "dst_gw": "Oregon-DevOps-VPC",
    "src_gw": "Azure-Prod-Vnet",
    "peer_gateway_name": "Oregon-DevOps-VPC",
    "peer_region": "Central US",
    "rcvd": null,
    "peer_latency1": 47.855,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "52.385 ms",
    "color": "green",
    "dst_gw": "gcloud-prod-vpc",
    "src_gw": "Azure-Prod-Vnet",
    "peer_gateway_name": "gcloud-prod-vpc",
    "peer_region": "Central US",
    "rcvd": null,
    "peer_latency1": 52.385,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [

],
"vpc_state": "up",
"vpc_id": "IowaProdVNet",
"latitude": 41.555704521021,
"vpc_name": "Azure-Prod-Vnet",
"region": "Central US",
"vendor_name": "Azure",
"longitude": -92.824422657574
},

```

```

{
  "inst_state": "running",
  "peer_connections": [
    {
      "peering_ha_status": "disabled",
      "latency": "81.427 ms",
      "color": "green",
      "dst_gw": "Oregon-DevOps-VPC",
      "src_gw": "ARM-Prod-Vnet",
      "peer_gateway_name": "Oregon-DevOps-VPC",
      "peer_region": "East US",
      "rcvd": null,
      "peer_latency1": 81.427,
      "cluster_peering": "no",
      "peer_state": "Up",
      "sent": null
    }
  ],
  "site2cloud_connections": [
    {
      "peer_longitude": -77.4729,
      "ha_state": "disabled",
      "tunnel_status": "Down",
      "peer_latitude": 39.0481,
      "peer_ip": "52.54.153.62"
    }
  ],
  "vpc_state": "up",
  "vpc_id": "liming-demo-vnet",
  "latitude": 37.975374744254,
  "vpc_name": "ARM-Prod-Vnet",
  "region": "East US",
  "vendor_name": "Azure ARM",
  "longitude": -78.412829762543
},
{
  "inst_state": "running",
  "peer_connections": [
    {

```

```
    "peering_ha_status": "disabled",
    "latency": "51.645 ms",
    "color": "green",
    "dst_gw": "Oregon-DevOps-VPC",
    "src_gw": "gcloud-prod-vpc",
    "peer_gateway_name": "Oregon-DevOps-VPC",
    "peer_region": "us-central1",
    "rcvd": null,
    "peer_latency1": 51.645,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "53.127 ms",
    "color": "Invisible",
    "dst_gw": "Azure-Prod-Vnet",
    "src_gw": "gcloud-prod-vpc",
    "peer_gateway_name": "Azure-Prod-Vnet",
    "peer_region": "us-central1",
    "rcvd": null,
    "peer_latency1": 53.127,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [

],
"vpc_state": "up",
"vpc_id": "project2-vpc1",
"latitude": 40.07894013424,
"vpc_name": "gcloud-prod-vpc",
"region": "us-central1",
"vendor_name": "Gcloud",
"longitude": -95.76887975295
},
```



```
{
  "inst_state": "running",
  "peer_connections": [
    {
      "peering_ha_status": "disabled",
      "latency": "84.999 ms",
      "color": "green",
      "dst_gw": "Oregon-DevOps-VPC",
      "src_gw": "Virginia-DevOps-VPC",
      "peer_gateway_name": "Oregon-DevOps-VPC",
      "peer_region": "us-east-1",
      "rcvd": null,
      "peer_latency1": 84.999,
      "cluster_peering": "no",
      "peer_state": "Up",
      "sent": null
    },
    {
      "peering_ha_status": "disabled",
      "latency": "62.5 ms",
      "color": "green",
      "dst_gw": "California-Prod-VPC",
      "src_gw": "Virginia-DevOps-VPC",
      "peer_gateway_name": "California-Prod-VPC",
      "peer_region": "us-east-1",
      "rcvd": null,
      "peer_latency1": 62.5,
      "cluster_peering": "no",
      "peer_state": "Up",
      "sent": null
    },
    {
      "peering_ha_status": "disabled",
      "latency": "206.499 ms",
      "color": "green",
      "dst_gw": "Asia-Prod-VPC",
      "src_gw": "Virginia-DevOps-VPC",
      "peer_gateway_name": "Asia-Prod-VPC",
      "peer_region": "us-east-1",
```

```

    "rcvd": null,
    "peer_latency1": 206.499,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "84.47 ms",
    "color": "green",
    "dst_gw": "Oregon-DevOps1-VPC",
    "src_gw": "Virginia-DevOps-VPC",
    "peer_gateway_name": "Oregon-DevOps1-VPC",
    "peer_region": "us-east-1",
    "rcvd": null,
    "peer_latency1": 84.47,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [
  {
    "peer_longitude": -77.4729,
    "ha_state": "disabled",
    "tunnel_status": "Down",
    "peer_latitude": 39.0481,
    "peer_ip": "52.54.153.62"
  }
],
"vpc_state": "up",
"vpc_id": "vpc-17cae573",
"latitude": 35.167929888521,
"vpc_name": "Virginia-DevOps-VPC",
"region": "us-east-1",
"vendor_name": "AWS",
"longitude": -89.778608842512
},
{

```

```
"inst_state": "running",
"peer_connections": [
  {
    "peering_ha_status": "disabled",
    "latency": "21.706 ms",
    "color": "green",
    "dst_gw": "Oregon-DevOps-VPC",
    "src_gw": "California-Prod-VPC",
    "peer_gateway_name": "Oregon-DevOps-VPC",
    "peer_region": "us-west-1",
    "rcvd": null,
    "peer_latency1": 21.706,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "62.559 ms",
    "color": "Invisible",
    "dst_gw": "Virginia-DevOps-VPC",
    "src_gw": "California-Prod-VPC",
    "peer_gateway_name": "Virginia-DevOps-VPC",
    "peer_region": "us-west-1",
    "rcvd": null,
    "peer_latency1": 62.559,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [
  ],
"vpc_state": "up",
"vpc_id": "vpc-5c197139",
"latitude": 38.881895836956,
"vpc_name": "California-Prod-VPC",
"region": "us-west-1",
```

```
    "vendor_name": "AWS",
    "longitude": -110.04083053446
  },
  {
    "inst_state": "running",
    "peer_connections": [
      {
        "peering_ha_status": "disabled",
        "latency": "21.648 ms",
        "color": "Invisible",
        "dst_gw": "California-Prod-VPC",
        "src_gw": "Oregon-DevOps-VPC",
        "peer_gateway_name": "California-Prod-VPC",
        "peer_region": "us-west-2",
        "rcvd": null,
        "peer_latency1": 21.648,
        "cluster_peering": "no",
        "peer_state": "Up",
        "sent": null
      },
      {
        "peering_ha_status": "disabled",
        "latency": "47.829 ms",
        "color": "Invisible",
        "dst_gw": "Azure-Prod-Vnet",
        "src_gw": "Oregon-DevOps-VPC",
        "peer_gateway_name": "Azure-Prod-Vnet",
        "peer_region": "us-west-2",
        "rcvd": null,
        "peer_latency1": 47.829,
        "cluster_peering": "no",
        "peer_state": "Up",
        "sent": null
      },
      {
        "peering_ha_status": "disabled",
        "latency": "85.138 ms",
        "color": "Invisible",
        "dst_gw": "Virginia-DevOps-VPC",
```

```
    "src_gw": "Oregon-DevOps-VPC",
    "peer_gateway_name": "Virginia-DevOps-VPC",
    "peer_region": "us-west-2",
    "rcvd": null,
    "peer_latency1": 85.138,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "81.376 ms",
    "color": "Invisible",
    "dst_gw": "ARM-Prod-Vnet",
    "src_gw": "Oregon-DevOps-VPC",
    "peer_gateway_name": "ARM-Prod-Vnet",
    "peer_region": "us-west-2",
    "rcvd": null,
    "peer_latency1": 81.376,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "0.728 ms",
    "color": "green",
    "dst_gw": "Oregon-DevOps1-VPC",
    "src_gw": "Oregon-DevOps-VPC",
    "peer_gateway_name": "Oregon-DevOps1-VPC",
    "peer_region": "us-west-2",
    "rcvd": null,
    "peer_latency1": 0.728,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "backup",
```

```
    "latency": "162.274 ms",
    "color": "green",
    "dst_gw": "Asia-Prod-VPC",
    "src_gw": "Oregon-DevOps-VPC",
    "peer_gateway_name": "Asia-Prod-VPC",
    "peer_region": "us-west-2",
    "rcvd": null,
    "peer_latency1": 162.274,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "disabled",
    "latency": "51.398 ms",
    "color": "Invisible",
    "dst_gw": "gcloud-prod-vpc",
    "src_gw": "Oregon-DevOps-VPC",
    "peer_gateway_name": "gcloud-prod-vpc",
    "peer_region": "us-west-2",
    "rcvd": null,
    "peer_latency1": 51.398,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [
  {
    "peer_longitude": -121.946,
    "ha_state": "disabled",
    "tunnel_status": "Down",
    "peer_latitude": 37.425,
    "peer_ip": "207.47.51.62"
  },
  {
    "peer_longitude": -76.557,
    "ha_state": "disabled",
    "tunnel_status": "Down",
```

```
        "peer_latitude": 39.2784,  
        "peer_ip": "73.163.231.50"  
    }  
],  
"vpc_state": "up",  
"vpc_id": "vpc-6fec190b",  
"latitude": 48.745666359739,  
"vpc_name": "Oregon-DevOps-VPC",  
"region": "us-west-2",  
"vendor_name": "AWS",  
"longitude": -107.6466379353  
},  
{  
    "inst_state": "running",  
    "peer_connections": [  
  
    ],  
    "site2cloud_connections": [  
  
    ],  
    "vpc_state": "up",  
    "vpc_id": "vpc-6fec190b",  
    "latitude": 44.216992741913,  
    "vpc_name": "Oregon-DevOps-VPC-vpn1",  
    "region": "us-west-2",  
    "vendor_name": "AWS",  
    "longitude": -117.54169840271  
},  
{  
    "inst_state": "running",  
    "peer_connections": [  
        {  
            "peering_ha_status": "active",  
            "latency": "162.275 ms",  
            "color": "green",  
            "dst_gw": "Asia-Prod-VPC-hagw",  
            "src_gw": "Oregon-DevOps-VPC-hagw",  
            "peer_gateway_name": "Asia-Prod-VPC-hagw",  
            "peer_region": "us-west-2",
```

```
    "rcvd": null,
    "peer_latency1": 162.275,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [

],
"vpc_state": "up",
"vpc_id": "vpc-6fec190b",
"latitude": 44.240857885064,
"vpc_name": "Oregon-DevOps-VPC-hagw",
"region": "us-west-2",
"vendor_name": "AWS",
"longitude": -121.09927253762
},
{
  "inst_state": "running",
  "peer_connections": [
    {
      "peering_ha_status": "disabled",
      "latency": "84.655 ms",
      "color": "Invisible",
      "dst_gw": "Virginia-DevOps-VPC",
      "src_gw": "Oregon-DevOps1-VPC",
      "peer_gateway_name": "Virginia-DevOps-VPC",
      "peer_region": "us-west-2",
      "rcvd": null,
      "peer_latency1": 84.655,
      "cluster_peering": "no",
      "peer_state": "Up",
      "sent": null
    },
    {
      "peering_ha_status": "disabled",
      "latency": "0.934 ms",
      "color": "Invisible",
```



```
    "dst_gw": "Oregon-DevOps-VPC",
    "src_gw": "Oregon-DevOps1-VPC",
    "peer_gateway_name": "Oregon-DevOps-VPC",
    "peer_region": "us-west-2",
    "rcvd": null,
    "peer_latency1": 0.934,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [

],
"vpc_state": "up",
"vpc_id": "vpc-868a96e2",
"latitude": 44.979415710925,
"vpc_name": "Oregon-DevOps1-VPC",
"region": "us-west-2",
"vendor_name": "AWS",
"longitude": -110.92138064839
},
{
  "inst_state": "running",
  "peer_connections": [

],
  "site2cloud_connections": [

],
  "vpc_state": "up",
  "vpc_id": "vpc-95becdf0",
  "latitude": -32.976783383204,
  "vpc_name": "Kimo",
  "region": "ap-southeast-2",
  "vendor_name": "AWS",
  "longitude": 143.68398002319
},
{
```

```
"inst_state": "running",
"peer_connections": [
  {
    "peering_ha_status": "disabled",
    "latency": "206.53 ms",
    "color": "Invisible",
    "dst_gw": "Virginia-DevOps-VPC",
    "src_gw": "Asia-Prod-VPC",
    "peer_gateway_name": "Virginia-DevOps-VPC",
    "peer_region": "ap-southeast-1",
    "rcvd": null,
    "peer_latency1": 206.53,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  },
  {
    "peering_ha_status": "backup",
    "latency": "162.22 ms",
    "color": "Invisible",
    "dst_gw": "Oregon-DevOps-VPC",
    "src_gw": "Asia-Prod-VPC",
    "peer_gateway_name": "Oregon-DevOps-VPC",
    "peer_region": "ap-southeast-1",
    "rcvd": null,
    "peer_latency1": 162.22,
    "cluster_peering": "no",
    "peer_state": "Up",
    "sent": null
  }
],
"site2cloud_connections": [
],
"vpc_state": "up",
"vpc_id": "vpc-d080cab5",
"latitude": 1.5730000271654,
"vpc_name": "Asia-Prod-VPC",
"region": "ap-southeast-1",
```

```
    "vendor_name": "AWS",
    "longitude": 103.69182495532
  },
  {
    "inst_state": "running",
    "peer_connections": [
      {
        "peering_ha_status": "active",
        "latency": "162.273 ms",
        "color": "Invisible",
        "dst_gw": "Oregon-DevOps-VPC-hagw",
        "src_gw": "Asia-Prod-VPC-hagw",
        "peer_gateway_name": "Oregon-DevOps-VPC-hagw",
        "peer_region": "ap-southeast-1",
        "rcvd": null,
        "peer_latency1": 162.273,
        "cluster_peering": "no",
        "peer_state": "Up",
        "sent": null
      }
    ],
    "site2cloud_connections": [

  ],
    "vpc_state": "up",
    "vpc_id": "vpc-d080cab5",
    "latitude": 1.4748477006595,
    "vpc_name": "Asia-Prod-VPC-hagw",
    "region": "ap-southeast-1",
    "vendor_name": "AWS",
    "longitude": 104.03832564857
  }
]
}
```

## 31 Upgrade

### 31.1 Description

Upgrade the controller to a specific release or to the latest.

### 31.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “upgrade”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
version	<p>The release version number to which the controller will be upgraded to. If not specified, it automatically will be upgraded to the latest release.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>

### 31.3 Response Elements

return	<p>API return</p> <p>Type: String (“true” or “false”)</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is “false”.</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is “true”</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is “false”</p>

### 31.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=upgrade&version=031717
```

### 31.5 Example Response

```
{
  "return": true,
```

```
"results": "userConnect has been upgraded to version UserConnect-  
031717.152. Please log out and login again for the new changes to take  
effect."  
}
```

## 32 Upload Trace logs

### 32.1 Description

Upload Trace logs. Valid for UCC and CloudN. If vpc\_name is specified we upload the gateway specified and the controller tracelog. If vpc\_name is not specified, we upload the controller tracelog.

### 32.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "upload_cloudx_command_log"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_name	<p>Name of gateway</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p> <p>If vpc_name is specified we upload the gateway specified and the controller tracelog. If vpc_name is not specified, we upload the controller tracelog.</p>

### 32.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 32.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=upload\\_cloudx\\_command\\_log&vpc\\_name=gatewayTest](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=upload_cloudx_command_log&vpc_name=gatewayTest)

### 32.5 Example Response

```
{  
  "return": true,  
  "results": "upload successful"  
}
```

## 33 Resize Gateway

### 33.1 Description

Change gateway size.

### 33.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "edit_gw_config"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
gw_name	<p>Name of gateway</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
gw_size	<p>New gateway size</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 33.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>



### 33.4 Example Request

<https://52.25.2.137/v1/api>

Method: POST

```
{
  "CID": "55e7af8e4beb8",
  "action": "edit_gw_config",
  "gw_name": "gw1",
  "gw_size": "t2.micro"
}
```

### 33.5 Example Response

```
{
  "return": true,
  "results": "Successfully updated gateway size to
t2.micro.Congratulations!!"
}
```

## 34 List Version Info

### 34.1 Description

List the latest available version and current version of the controller.

### 34.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_version_info"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 34.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 34.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_version_info
```

### 34.5 Example Response

```
{
  "return": true,
  "results": {
    "current_version": "UserConnect-2.6.154",
    "latest_version": "UserConnect-2.5.2.315"
  }
}
```

## 35 List VPN Users

### 35.1 Description

List all the VPN users in the controller.

### 35.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_vpn_users"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 35.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 35.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_vpn_users
```

### 35.5 Example Response

```
{
  "return": true,
  "results": [
    {
      "profile": "Marketing",
      "msgtemplate": "N\A",
      "sp_metadata_url": "N\A",
      "sp_acs_url": "N\A",
    }
  ]
}
```

```
"test_sso": "N\A",
"saml_enabled": "no",
"lb_name": "Aviatrix-vpc-6fec190b0x3421286e",
"idp_metadata_url": "N\A",
"external": false,
"vpc_id": "vpc-6fec190b",
"_id": "test",
"email": "test1@aviatrix.com"
},
{
  "profile": "N\A",
  "msgtemplate": "N\A",
  "sp_metadata_url": "N\A",
  "sp_acs_url": "N\A",
  "test_sso": "N\A",
  "saml_enabled": "no",
  "lb_name": "ca-training-vpn-gw",
  "idp_metadata_url": "N\A",
  "external": false,
  "vpc_id": "vpc-7819711d",
  "_id": "ciscosb",
  "email": "test2@aviatrix.com"
}
]
}
```

## 36 List Live VPN Users

### 36.1 Description

List all the live VPN users.

### 36.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_live_vpn_users"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 36.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 36.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_live_vpn_users
```

### 36.5 Example Response

```
{
  "return": true,
  "results": [
    {
      "username": "ciscosb",
      "status": "active",
      "gateway_name": "ca-training-vpn-gw",
    }
  ]
}
```

```
"rx_bytes": "N/A",
"logout_time": "N/A",
"remote_virtual_ip": "172.19.152.22",
"public_ip": "66.7.242.226",
"duration": "N/A",
"gateway_ip": "52.52.110.36",
"profile": "N/A",
"tx_bytes": "N/A",
"_id": {
  "$oid": "597f7d5b92e8424c708f3800"
},
"login_time": "2017-07-31 11:54:44"
}
]
}
```

## 37 List VPCs

### 37.1 Description

List all the VPCs.

### 37.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_vpcs"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
with_vpn	<p>Indicates to list the VPCs with VPN enabled or not</p> <p>Type: String</p> <p>Valid value: "true" or "false"</p> <p>Default: "true"</p> <p>Required: No</p>

### 37.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 37.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_vpcs
```

### 37.5 Example Response

```
{
  "return": true,
```

```
"results": [  
  "vpc-19932470~~No Name",  
  "vpc-95becdf0~~No Name",  
  "vpc-e379d58a~~No Name"  
]  
}
```



## 38 List LB Names

### 38.1 Description

List all the load balancer names attached to a gateway.

### 38.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_vpc_lb_names"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>Gateway's VPC ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 38.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 38.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_vpc_lb_names&vpc_id=vpc-19932470~~No%20Name
```

### 38.5 Example Response

```
{
  "return": true,
  "results": [
```

```
    "Aviatrix-vpc-199324700x3429eded"  
  ]  
}
```

## 39 Modify Split Tunnel

### 39.1 Description

Modify split tunnel configuration.

### 39.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “modify_split_tunnel”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
command	<p>Type of actions to be performed.</p> <p>Type: String</p> <p>Valid value: “get” and “modify”</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>Gateway’s VPC ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
lb_name	<p>Load balancer name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
split_tunnel	<p>Indicates whether to enable split tunnel or not.</p> <p>Type: String</p> <p>Valid value: “yes” and “no”</p> <p>Default: “no”</p> <p>Required: No</p>
additional_cidrs	<p>Additional CIDR.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>

nameservers	Name servers. Type: String Default: None Required: No
search_domains	Search domain names. Type: String Default: None Required: No

### 39.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 39.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=modify_split_tunnel&command=get&vpc_id=vpc-19932470~~No%20Name&lb_name=Aviatrix-vpc-199324700x3429eded
```

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=modify_split_tunnel&command=modify&vpc_id=vpc-19932470~~No%20Name&lb_name=Aviatrix-vpc-199324700x3429eded
```

### 39.5 Example Response

```
{
  "return": true,
  "results": {
    "name_servers": "8.8.8.8,8.8.4.4",
    "split_tunnel": "yes",
    "search_domains": "aviatrixtest.com",
    "additional_cidrs":
"10.10.0.0\16,10.11.0.0\16,10.12.0.0\16,10.16.0.0\16,10.15.0.0\16
,10.31.0.0\16,192.168.44.0\24,10.120.0.0\16,10.121.0.0\16,192.168.
29.159\32,10.220.0.0\16,10.19.0.0\16,10.110.0.0\16,10.150.0.0\16,
```

```
10.151.0.0\16,10.152.0.0\16,10.160.0.0\16,10.161.0.0\16,10.162.0.0
\16,10.153.0.0\16,10.163.0.0\16"
  }
}

{
  "return": true,
  "results": "Split Tunnel configuration updated successfully on
gateway:[OktaGW-OH]"
}
```

## 40 Show LDAP Conf

### 40.1 Description

Show LDAP configuration.

### 40.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "show_ldap_conf"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>Gateway's VPC ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
lb_name	<p>Load balancer name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>

### 40.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 40.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=show_ldap_conf
```

## 40.5 Example Response

```
{
  "return": true,
  "results": {
    "ldap_authentication_enabled": "No",
    "ca_cert": null,
    "bind_anonymous": "no",
    "base_dn_for_user_entries": "DC=aviatrixtest, DC=com",
    "additional_ldap_requirements": null,
    "bind_dn": "AVIATRIXTEST\\Administrator",
    "tls_enabled": "no",
    "server": "52.10.16.89",
    "username_attribute": "sAMAccountName",
    "password": "xxxxxxxxxxxx",
    "client_cert": null
  }
}
```

## 41 Edit VPN Configuration

### 41.1 Description

Edit VPN configuration.

### 41.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "edit_vpn_config"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
command	<p>Type of actions to be performed.</p> <p>Type: String</p> <p>Valid value: "show", "enable" and "disable"</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>Gateway's VPC ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
lb_name	<p>Load balancer name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
key	<p>VPN configuration key.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when command is "enable" or "disable"</p>
value	<p>VPN configuration value.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when command is "enable" or "disable"</p>



### 41.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 41.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=edit_vpn_config&command=show&vpc_id=vpc-19932470~~No%20Name&lb_name=Aviatrix-vpc-199324700x3429eded
```

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=edit_vpn_config&command=enable&vpc_id=vpc-19932470~~No%20Name&lb_name=Aviatrix-vpc-199324700x3429eded&key=Idle%20timeout&value=310
```

### 41.5 Example Response

```
{
  "return": true,
  "results": [
    {
      "status": "disabled",
      "cfg": "inactive",
      "name": "Idle timeout",
      "value": "NA",
      "help_text": "User will be disconnected after this
period(seconds)"
    },
    {
      "status": "disabled",
      "cfg": "reneg-sec",
      "name": "Renegotiation interval",
      "value": "NA",
      "help_text": "Renegotiate data channel key (seconds)"
    }
  ]
}
```

```
}  
  
{  
  "return": true,  
  "results": "Success"  
}
```

## 42 Reload DHCP Configuration

### 42.1 Description

Reload DHCP configuration.

### 42.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "reload_dhcp_config"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>Gateway's VPC ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
lb_name	<p>Load balancer name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 42.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 42.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=reload_dhcp_config  
&vpc_id=vpc-19932470~~No%20Name&lb_name=Aviatrix-vpc-  
199324700x3429eded
```

### 42.5 Example Response

```
{  
  "return": true,  
  "results": "DHCP configuration updated sucessfully on  
gateway:[OktaGW-OH]"  
}
```

## 43 Modify LDAP Configuration

### 43.1 Description

Modify LDAP configuration.

### 43.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "modify_ldap"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_id	<p>Gateway's VPC ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
lb_name	<p>Load balancer name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
enable_ldap	<p>Indicates whether to enable LDAP or not.</p> <p>Type: String</p> <p>Valid value: "on"</p> <p>Default: None</p> <p>Required: No</p>
ldap_server	<p>LDAP server.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when enable_ldap is "on".</p>
ldap_use_ssl	<p>Indicates whether to use SSL for LDAP connection.</p> <p>Type: String</p> <p>Valid value: "on"</p> <p>Default: None</p> <p>Required: No</p>

ldap_client_cert	Client certificate file location. Type: String Default: None Required: Yes when enable_ldap is “on” and ldap_use_ssl is “on”.
ldap_ca_cert	CA certificate file location. Type: String Default: None Required: Yes when enable_ldap is “on” and ldap_use_ssl is “on”.
ldap_bind_dn	LDAP bind dn. Type: String Default: None Required: Yes when enable_ldap is “on”.
ldap_password	LDAP password. Type: String Default: None Required: Yes when enable_ldap is “on”.
ldap_base_dn	LDAP base dn. Type: String Default: None Required: Yes when enable_ldap is “on”.
ldap_username_attribute	LDAP username attribute. Type: String Default: None Required: Yes when enable_ldap is “on”.
ldap_additional_ldap_req	Additional requirements for LDAP. Type: String Default: None Required: No

### 43.3 Response Elements

return	API return Type: String (“true” or “false”) Valid Values: true   false
reason	Reason of failed request if return is “false”. Type: String Valid Values: reason is empty string if return is “true”
results	results if return is true

	Type: String Valid Values: result is empty string if return is "false"
--	---

### 43.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=modify_ldap&vpc_id=vpc-19932470~~No%20Name&lb_name=Aviatrix-vpc-19932470x3429eded
```

### 43.5 Example Response

```
{  
  "return": true,  
  "results": "LDAP configuration updated successfully on gateway:[OktaGW-OH]"  
}
```

## 44 Get Backup Configuration

### 44.1 Description

Get backup configuration.

### 44.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "get_cloudn_backup_config"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 44.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 44.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=get_cloudn_backup_config
```

### 44.5 Example Response

```
{
  "return": true,
  "results": {
    "acct_name": "BusinessOps",
    "cloud_type": 1,
    "storage_name": "",
    "enabled": "yes",
```



```
"bucket_name": "avxdemobackup",  
"container_name": ""  
}  
}
```

## 45 Disable Backup Configuration

### 45.1 Description

Disable backup configuration.

### 45.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "disable_cloudn_backup_config"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 45.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 45.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=disable_cloudn_backup_config
```

### 45.5 Example Response

```
{
  "return": true,
  "results": "Successfully disabled CloudN Automatic Daily Backup operation"
}
```

## 46 Enable Backup Configuration

### 46.1 Description

Enable backup configuration.

### 46.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “enable_cloudn_backup_config”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
cloud_type	<p>Type of cloud service provider.</p> <p>Type: Integer</p> <p>Default: None</p> <p>Required: Yes</p> <p>1: AWS</p> <p>2: Azure</p> <p>4: Gcloud (UCC only)</p> <p>8: ARM</p> <p>256: AWS GOV (UCC only)</p> <p>512: Azure China (UCC only)</p> <p>1024: AWS China (UCC only)</p>
account_name	<p>Account name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
storage_name	<p>Storage name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 2, 8 or 512</p>
container_name	<p>Container name.</p> <p>Type: String</p> <p>Default: None</p>

	Required: Yes when cloud_type is 2, 8 or 512
bucket_name	Bucket name. Type: String Default: None Required: Yes when cloud_type is 1, 4, 256 or 1024

### 46.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 46.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=enable_cloudn_backup_config&cloud_type=1&account_name=BusinessOps&bucket_name=b1
```

### 46.5 Example Response

```
{
  "return": true,
  "results": "Success"
}
```

## 47 Restore Configuration

### 47.1 Description

Restore configuration.

### 47.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Method: POST</p> <p>Valid value: "restore_cloudx_config"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes</p>
cloud_type	<p>Type of cloud service provider.</p> <p>Type: Integer</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes</p> <p>1: AWS</p> <p>2: Azure</p> <p>4: Gcloud (UCC only)</p> <p>8: ARM</p> <p>256: AWS GOV (UCC only)</p> <p>512: Azure China (UCC only)</p> <p>1024: AWS China (UCC only)</p>
file_name	<p>File name.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: No</p>
access_key	<p>Access key for AWS accounts.</p> <p>Type: String</p> <p>Method: POST</p>

	<p>Default: None</p> <p>Required: Yes when cloud_type is 1, 256 or 1024.</p>
secret_key	<p>Secret key for AWS accounts.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 1, 256 or 1024.</p>
bucket_name	<p>Bucket name.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 1, 4, 256 or 1024.</p>
storage_name	<p>Storage name.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 2, 8 or 512.</p>
container_name	<p>Container name.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 2, 8 or 512.</p>
subscription_id	<p>Subscription ID.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 2 or 512.</p>
certificate_path	<p>Certificate file location.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p> <p>Required: Yes when cloud_type is 2, 4 or 512.</p>
arm_subscription_id	<p>ARM subscription ID.</p> <p>Type: String</p> <p>Method: POST</p> <p>Default: None</p>

	Required: Yes when cloud_type is 8.
arm_application_endpoint	ARM application endpoint. Type: String Method: POST Default: None Required: Yes when cloud_type is 8.
arm_application_client_id	ARM application client ID. Type: String Method: POST Default: None Required: Yes when cloud_type is 8.
arm_application_client_secret	ARM application client secret. Type: String Method: POST Default: None Required: Yes when cloud_type is 8.

### 47.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 47.4 Example Request

```

https://52.25.2.137/v1/api
Method: POST
{
  "CID": "55e7af8e4beb8",
  "action": "setup_account_profile",
  "cloud_type": "1",
  "access_key": "AKIAIWDAABCPKKKWA",
  "secret_key": "9ttSeSnQvb\01WZKCjyPsbcdYgamthksK2+1G",

```

```
"bucket_name": "b1",  
"file_name": "backup_file"  
}
```

The example below shows how to use curl command.

```
curl -k -data "CID=55e7af8e4beb8" -data "action=setup_account_profile"  
-data "cloud_type=1" -data "access_key=AKIAIWDAABCPKKKWQA" -data  
"secret_key=9ttSeSnQvb\0lWZKCjyPsbcdYgamthksK2+1G" -data  
"bucket_name=b1" -data "file_name=backup_file"  
https://52.25.2.137/v1/api
```

### 47.5 Example Response

```
{  
  "return": true,  
  "results": "Success"  
}
```



## 48 Get Azure Storage Accounts

### 48.1 Description

Get Azure storage accounts.

### 48.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “az_get_storage_accounts”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
cloud_type	<p>Type of cloud service provider.</p> <p>Type: Integer</p> <p>Default: None</p> <p>Required: Yes</p> <p>2: Azure</p> <p>8: ARM</p> <p>512: Azure China (UCC only)</p>
account_name	<p>Account name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_reg	<p>Region name.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
with_image	<p>Indicates whether to retrieve storage names with image or not.</p> <p>Type: String</p> <p>Valid value: “yes” or “no”</p> <p>Default: “no”</p> <p>Required: No</p>

### 48.3 Response Elements

return	API return
--------	------------

	Type: String (“true” or “false”) Valid Values: true   false
reason	Reason of failed request if return is “false”. Type: String Valid Values: reason is empty string if return is “true”
results	results if return is true Type: String Valid Values: result is empty string if return is “false”

#### 48.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=az_get_storage_accounts&cloud_type=2&account_name=BusinessOps
```

#### 48.5 Example Response

```
{
  "return": true,
  "results": [
    "01portalvhds0m4dg25td2kd",
    "y1portalvhdsx31w3rbnc10w"
  ]
}
```

## 49 List CloudOps VPC Pool

### 49.1 Description

List all CloudOps VPC pool in detail or pool names only. Only valid for Userconnect.

### 49.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_cloudops_vpc_pool"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
pool_name_only	<p>Flag indicating whether to display pool names only or not.</p> <p>Type: String</p> <p>Valid value: "yes" and "no"</p> <p>Default: "no"</p> <p>Required: No</p>

### 49.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 49.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_cloudops_vpc_pool
```

### 49.5 Example Response

```
{
  "return": true,
```

```
"results": {  
  "all_vpc_pool_vpc_list": [  
  
  ]  
}  
}
```

## 50 Delete CloudOps VPC Pool

### 50.1 Description

Delete an existing CloudOps VPC pool. Only valid for Userconnect.

### 50.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "delete_cloudops_vpc_pool"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
pool_name	<p>Name of the pool to be deleted</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
account_name	<p>Name of the account created the pool</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 50.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 50.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=delete\\_cloudops\\_vpc\\_pool&pool\\_name=qwd&account\\_name=users](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=delete_cloudops_vpc_pool&pool_name=qwd&account_name=users)

### 50.5 Example Response

```
{  
  "return": false,  
  "reason": "VPC pool qwd does not exist!"  
}
```

## 51 Create CloudOps VPC Pool

### 51.1 Description

Create a new CloudOps VPC pool. Only valid for Userconnect.

### 51.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "create_cloudops_vpc_pool"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
cloud_type	<p>Cloud provider</p> <p>Type: Integer</p> <p>Default: None</p> <p>Required: Yes</p>
pool_name	<p>Name of new pool to be created</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
account_name	<p>Name of the account to create new pool</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_counts	<p>Maximum number of VPCs in this pool</p> <p>Type: Integer</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_cidr	<p>VPC CIDR for this pool</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
public_subnets	<p>Flag indicating whether public subnet would be created or not</p> <p>Type: String</p>

	<p>Valid value: “yes” and “no”</p> <p>Default: “yes”</p> <p>Required: No</p>
add_gateway	<p>Flag indicating whether gateway would be launched after pool creation or not</p> <p>Type: String</p> <p>Valid value: “yes” and “no”</p> <p>Default: “no”</p> <p>Required: No</p>
vpc_reg	<p>VPC region for this pool</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
vpc_size	<p>VPC size for this pool</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
security_url	<p>Security URL</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>

### 51.3 Response Elements

return	<p>API return</p> <p>Type: String (“true” or “false”)</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is “false”.</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is “true”</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is “false”</p>

### 51.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=create\_cloudops\_vpc\_pool&pool\_name=qwd&account\_name=users&vpc\_counts=3&vpc\_cidr=10.10.10.10/24&cloud\_type=1
```

### 51.5 Example Response

```
{
```



```
  "return": false,  
  "reason": "VPC CIDR size must be slash 20 or less, e.g.  
10.0.0.0\20"  
}
```

## 52 List Access Address Pool CIDR

### 52.1 Description

List all the available Access Address Pool CIDRs. Only valid for Userconnect.

### 52.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_global_address_pool_cidr"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 52.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 52.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list\\_global\\_address\\_pool\\_cidr](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_global_address_pool_cidr)

### 52.5 Example Response

```
{
  "return": true,
  "results": {
    "domain_name": "",
    "addr_pool_cidr": "192.168.31.0/28",
    "management_vpcs": "vpnvpc1"
  }
}
```

## 53 DNS Cname Action

### 53.1 Description

Add, modify or delete DNS cnames. Only valid for Userconnect.

### 53.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "dns_cname_action"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
command	<p>Type of actions to be performed</p> <p>Type: String</p> <p>Valid value: "add", "change" and "delete"</p> <p>Default: None</p> <p>Required: Yes</p>
ip	<p>IP address that cname would be added to or deleted from</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
cname	<p>New cname to add or to change</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes (only for "add" and "change" command)</p>

### 53.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p>

	Type: String Valid Values: result is empty string if return is "false"
--	---

### 53.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=dns\\_cname\\_action&ip=10.10.10.10&command=add&cname=awd](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=dns_cname_action&ip=10.10.10.10&command=add&cname=awd)

### 53.5 Example Response

```
{  
  "return": false,  
  "reason": "Disable the existing DNS before configuring new DNS domain"  
}
```

## 54 List Access Address Pool

### 54.1 Description

List free, mapped or all access address pool. Only valid for Userconnect.

### 54.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_access_address_pool"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
command	<p>Type of actions to be performed</p> <p>Type: String</p> <p>Valid value: "all", "free" and "mapped", "history" and "dns"</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_name	<p>Name of VPC that access address pool to be displayed are mapped to</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes (only for "mapped" command)</p>
global_ip	<p>Access IP address whose mapping and unmapping history to be retrieved</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes (only for "history" command)</p>
history_limit	<p>Maximum number of history records to be retrieved</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes (only for "history" command)</p>

### 54.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
--------	---

reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

#### 54.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list\\_access\\_addresses\\_pool&command=all](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_access_addresses_pool&command=all)

#### 54.5 Example Response

```
{
  "return": true,
  "results": {
    "global_ip_list": [
      {
        "map_to_vpc_name": "none",
        "default_dns_name": "",
        "ip": "192.168.31.0",
        "map_to_name": "none",
        "map_to_acct_id": "none",
        "map_to_acct_name": "none",
        "map_to": "free",
        "dns_registered": "no",
        "license_id": "Invalid",
        "dns_cname": ""
      },
      {
        "map_to_vpc_name": "none",
        "default_dns_name": "",
        "ip": "192.168.31.1",
        "map_to_name": "none",
        "map_to_acct_id": "none",
        "map_to_acct_name": "none",
        "map_to": "free",
        "dns_registered": "no",
        "license_id": "Invalid",
        "dns_cname": ""
      }
    ]
  }
}
```

```
{
  "map_to_vpc_name": "none",
  "default_dns_name": "",
  "ip": "192.168.31.2",
  "map_to_name": "none",
  "map_to_acct_id": "none",
  "map_to_acct_name": "none",
  "map_to": "free",
  "dns_registered": "no",
  "license_id": "Invalid",
  "dns_cname": ""
},
{
  "map_to_vpc_name": "none",
  "default_dns_name": "",
  "ip": "192.168.31.3",
  "map_to_name": "none",
  "map_to_acct_id": "none",
  "map_to_acct_name": "none",
  "map_to": "free",
  "dns_registered": "no",
  "license_id": "Invalid",
  "dns_cname": ""
},
{
  "map_to_vpc_name": "none",
  "default_dns_name": "",
  "ip": "192.168.31.4",
  "map_to_name": "none",
  "map_to_acct_id": "none",
  "map_to_acct_name": "none",
  "map_to": "free",
  "dns_registered": "no",
  "license_id": "Invalid",
  "dns_cname": ""
},
{
  "map_to_vpc_name": "none",
  "default_dns_name": "",
```

```
    "ip": "192.168.31.5",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.6",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.7",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.8",
    "map_to_name": "none",
    "map_to_acct_id": "none",
```



```
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.9",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.10",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.11",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
```

```
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.12",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.13",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  {
    "map_to_vpc_name": "none",
    "default_dns_name": "",
    "ip": "192.168.31.14",
    "map_to_name": "none",
    "map_to_acct_id": "none",
    "map_to_acct_name": "none",
    "map_to": "free",
    "dns_registered": "no",
    "license_id": "Invalid",
    "dns_cname": ""
  },
  },
```

```
{
  "map_to_vpc_name": "none",
  "default_dns_name": "",
  "ip": "192.168.31.15",
  "map_to_name": "none",
  "map_to_acct_id": "none",
  "map_to_acct_name": "none",
  "map_to": "free",
  "dns_registered": "no",
  "license_id": "Invalid",
  "dns_cname": ""
}
],
"available_free_count": 16
}
}
```

## 55 AWS Domain Name System

### 55.1 Description

Enable or disable AWS DNS. Only valid for Userconnect.

### 55.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: “aws_domain_name_system”</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
command	<p>Type of actions to be performed</p> <p>Type: String</p> <p>Valid value: “enable” and “disable”</p> <p>Default: None</p> <p>Required: Yes</p>
domain_name	<p>Domain name to be used for the service</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes (only for “enable” command)</p>

### 55.3 Response Elements

return	<p>API return</p> <p>Type: String (“true” or “false”)</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is “false”.</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is “true”</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is “false”</p>

### 55.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=aws\_domain\_name\_system&command=enable&domain\_name=abc.xyz
```

### 55.5 Example Response

```
{  
  "return": false,  
  "reason": "create zone abc.xyz got Exception. Please try again"  
}
```

## 56 List Non-Management VPCs

### 56.1 Description

List all the non-management VPCs. Only valid for Userconnect.

### 56.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_non_management_vpcs"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 56.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 56.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list\\_non\\_management\\_vpcs](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list_non_management_vpcs)

### 56.5 Example Response

```
{
  "return": true,
  "results": {
    "vpc_container_list": [

    ]
  }
}
```

## 57 Setup Access Address Pool

### 57.1 Description

Setup access address pool. Only valid for Userconnect.

### 57.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "setup_access_address_pool"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
access_address_pool	<p>Access Address Pool to be setup</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
management_vpc	<p>Name of management VPC for access address pool</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 57.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 57.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=setup\\_access\\_address\\_pool&access\\_address\\_pool=192.168.31.0/28&management\\_vpc=vpnvpc1](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=setup_access_address_pool&access_address_pool=192.168.31.0/28&management_vpc=vpnvpc1)

### 57.5 Example Response

```
{  
  "return": true,  
  "results": "success"  
}
```



## 58 List CloudOps Unmapped Instances

### 58.1 Description

List all CloudOps unmapped instances. Only valid for Userconnect.

### 58.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "list_cloudops_unmapped_instances"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
vpc_name	<p>VPC name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 58.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 58.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=list\_cloudops\_unmapped\_instances&vpc\_name=vpnvpc1
```

### 58.5 Example Response

```
{
  "return": true,
  "results": {
```

```
  "instance_list": [  
    {  
      "ip": "172.30.0.68",  
      "name_tag": "userconnect"  
    },  
    {  
      "ip": "172.30.0.20",  
      "name_tag": "nodeconnect"  
    }  
  ]  
}  
}
```

## 59 CloudOps Scan Map Target

### 59.1 Description

Automatically map free access addresses or unmap mapped addresses. Only valid for Userconnect.

### 59.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "cloudops_scan_map_target"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
command	<p>Type of actions to be performed</p> <p>Type: String</p> <p>Valid value: "map" and "unmap"</p> <p>Default: None</p> <p>Required: Yes</p>
src_vpc_name	<p>Management VPC name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
dest_vpc_name	<p>Managed VPC name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 59.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p>

	Type: String Valid Values: result is empty string if return is "false"
--	---

### 59.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=cloudops\\_scan\\_map\\_target&src\\_vpc\\_name=vpnvpc1&dest\\_vpc\\_name=vpc2&command=map](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=cloudops_scan_map_target&src_vpc_name=vpnvpc1&dest_vpc_name=vpc2&command=map)

### 59.5 Example Response

```
{  
  "return": true,  
  "results": "success"  
}
```

## 60 CloudOps Map Target Single Instance

### 60.1 Description

Manually map a free access address to single instance. Only valid for Userconnect.

### 60.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "cloudops_map_target_single_instance"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
src_vpc_name	<p>Management VPC name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
dest_vpc_name	<p>Managed VPC name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
free_access_address	<p>Access address to be mapped</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
ip	<p>Private address of the instance</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
name_tag	<p>Name tag of the instance</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 60.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty string if return is "true"
results	results if return is true Type: String Valid Values: result is empty string if return is "false"

### 60.4 Example Request

```
https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=cloudops_map_target_single_instance&src_vpc_name=vpnvpc1&dest_vpc_name=vpc2&free_access_address=192.168.31.4&ip=10.10.76.1&name_tag=app
```

### 60.5 Example Response

```
{  
  "return": true,  
  "results": "success"  
}
```

## 61 CloudOps Unmap Target Single Instance

### 61.1 Description

Manually unmap single instance and free mapped access address. Only valid for Userconnect.

### 61.2 Request Parameters

action	<p>Indicating type of API to call.</p> <p>Type: String</p> <p>Valid value: "cloudops_unmap_target_single_instance"</p> <p>Default: None</p> <p>Required: Yes</p>
CID	<p>API session ID</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
src_vpc_name	<p>Management VPC name</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
mapped_access_address	<p>Access address mapped to the instance</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>

### 61.3 Response Elements

return	<p>API return</p> <p>Type: String ("true" or "false")</p> <p>Valid Values: true   false</p>
reason	<p>Reason of failed request if return is "false".</p> <p>Type: String</p> <p>Valid Values: reason is empty string if return is "true"</p>
results	<p>results if return is true</p> <p>Type: String</p> <p>Valid Values: result is empty string if return is "false"</p>

### 61.4 Example Request

[https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=cloudops\\_unmap\\_target\\_single\\_instance&src\\_vpc\\_name=vpnvpc1&mapped\\_access\\_address=192.168.31.4](https://52.25.2.137/v1/api?CID=55e7af8e4beb8&action=cloudops_unmap_target_single_instance&src_vpc_name=vpnvpc1&mapped_access_address=192.168.31.4)

### 61.5 Example Response

```
{  
  "return": true,  
  "results": "success"  
}
```



## 62 Setup Maximum number of VPC/Vnets

### 62.1 Description

Setup number of VPCs that customer is planning to create in AWS. This will create VPC CIDRs automatically. Only available in CloudN.

### 62.2 Request Parameters

vpc_num	Number of VPCs that customer is planning to create in AWS. Type: Number Default: None Required: Yes
CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "setup_max_vpc_containers" Default: None Required: Yes

### 62.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

### 62.4 Example Request

```
https://192.168.0.251/v1/api?CID=54557b087a48a&action=
setup_max_vpc_containers&vpc_num=4
```

### 62.5 Example Response

```
{
  "return": true,
```

```
"result": {  
  "cidr_list": [  
    "10.16.32.0/19",  
    "10.16.64.0/19",  
    "10.16.96.0/19",  
    "10.16.128.0/19"  
  ]  
}
```

## 63 List Maximum number of VPC/Vnets

### 63.1 Description

List the configured number of VPCs that customer is planning to create in AWS. Only available in CloudN.

### 63.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "list_max_vpc_containers" Default: None Required: Yes

### 63.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

### 63.4 Example Request

[https://192.168.0.251/v1/api?action=list\\_max\\_vpc\\_containers&CID=54557b087a48a](https://192.168.0.251/v1/api?action=list_max_vpc_containers&CID=54557b087a48a)

### 63.5 Example Response

```
{
  "return": true,
  "results": {
    "max_vpc_containers": "1"
  }
}
```

## 64 List Available CIDRs

### 64.1 Description

List all CIDRs on the CloudN system. One of these CIDRs has to be used when creating a VPC container. Only available in CloudN.

### 64.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "list_cidr_of_available_vpcs" Default: None Required: Yes

### 64.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	results if return is true Type: String Valid Values: result is empty String if return is "false"

### 64.4 Example Request

[https://192.168.0.251/v1/api?action=list\\_cidr\\_of\\_available\\_vpcs&CID=54557b087a48a](https://192.168.0.251/v1/api?action=list_cidr_of_available_vpcs&CID=54557b087a48a)

### 64.5 Example Response

```
{
  "return": true,
  "result": {
    "cidr_list": [
      "10.16.32.0/19",
      "10.16.64.0/19",
      "10.16.96.0/19",

```

```
    "10.16.128.0\19"  
  ]  
}  
}
```

## 65 Allow Subnets to VPC

### 65.1 Description

Allow subnets to VPC. Only available in CloudN.

### 65.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "allow_subnet" Default: None Required: Yes
cloud_type	Type of cloud service provider. Type: integer Default: None Required: Yes 1: AWS 2: Azure 8: ARM
gw_name	A unique name of the container. Type: String Default: None Required: Yes
cidr	Subnet CIDR to be allowed Type: String Default: None Required: Yes

### 65.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"

results	results if return is true Type: String Valid Values: result is empty String if return is "false"
---------	--

### 65.4 Example Request

[https://192.168.0.251/v1/api?action=allow\\_subnet&CID=54557b087a48a&cloud\\_type=1&gw\\_name=gw1&cidr=172.16.1.0/24](https://192.168.0.251/v1/api?action=allow_subnet&CID=54557b087a48a&cloud_type=1&gw_name=gw1&cidr=172.16.1.0/24)

### 65.5 Example Response

```
{  
  "return": true,  
  "result": "Success"  
}
```

## 66 Delete Subnets from VPC

### 66.1 Description

Delete subnets from VPC. Only available in CloudN.

### 66.2 Request Parameters

CID	The session id (API Key) returned during the login. Type: String Default: None Required: Yes
action	Indicating type of API to call. Type: String Valid value: "delete_subnet" Default: None Required: Yes
cloud_type	Type of cloud service provider. Type: integer Default: None Required: Yes 1: AWS 2: Azure 8: ARM
gw_name	A unique name of the container. Type: String Default: None Required: Yes
cidr	Subnet CIDR to be allowed Type: String Default: None Required: Yes

### 66.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true   false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"



results	results if return is true Type: String Valid Values: result is empty String if return is "false"
---------	--

### 66.4 Example Request

[https://192.168.0.251/v1/api?action=delete\\_subnet&CID=54557b087a48a&cloud\\_type=1&gw\\_name=gw1&cidr=172.16.1.0/24](https://192.168.0.251/v1/api?action=delete_subnet&CID=54557b087a48a&cloud_type=1&gw_name=gw1&cidr=172.16.1.0/24)

### 66.5 Example Response

```
{  
  "return": true,  
  "result": "Success"  
}
```

## 67 Create Datacenter Extension

### 67.1 Description

Create a datacenter extension. Only available in CloudN.

### 67.2 Request Parameters

CID	The session id (API Key) that was returned during login. Method: POST Type: String Default: None Required: Yes
action	Indicating type of API to call. Method: POST Type: String Valid value: "create_container" Default: None Required: Yes
cloud_type	Type of cloud service provider. Method: POST Type: Integer Default: None Required: Yes 1: AWS 2: Azure 8: ARM
account_name	Account Name to use for launching this container. Method: POST Type: String Valid Values: an existing account name Default: None Required: Yes
vpc_name	A unique name of the container. Method: POST Type: String Valid Values: <code>[a-zA-Z0-9 \s \\ / + @ \: \. \\-]+</code> Default: None

	Required: Yes
vpc_reg	A region where this container will be launched. Method: POST Type: String, e.g.: "us-east-1" Default: None Required: Yes
vpc_net	A VPC Network address range selected from one of the available network ranges. Method: POST Type: String, e.g.: "172.16.32.0/20" Default: None Required: Yes
vpc_size	Size of Gateway Instance. Method: POST Type: String, e.g.: "t2.micro" Default: None Required: Yes
internet_access	Indicates whether internet access would be enabled or not. Method: POST Type: String, e.g.: "yes" or "no" Valid Values: "yes", "no" Default: "no" Required: No
public_subnet	Indicates whether a public subnet CIDR would be assigned or not. Method: POST Type: String, e.g.: "yes" or "no" Valid Values: "yes", "no" Default: "no" Required: No
tunnel_type	Indicates whether tunnel is TCP-based or UDP-based. Method: POST Type: String, e.g.: "tcp" or "udp" Valid Values: "tcp", "udp" Default: "tcp"

	Required: No
vpn_access	<p>Enable user access through VPN to this container.</p> <p>Method: POST</p> <p>Type: String, e.g.: "yes" or "no"</p> <p>Valid Values: "yes" to enable user access through VPN, and "no" to disable it</p> <p>Default: "no"</p> <p>Required: No</p>
vpn_cidr	<p>VPN CIDR block</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes when vpn_access is "yes"</p>
intra_vm_route	<p>Indicates whether to enable intra-VM route for Azure or not.</p> <p>Method: POST</p> <p>Type: String, e.g.: "yes" or "no"</p> <p>Valid Values: "yes", "no"</p> <p>Default: "no"</p> <p>Required: No</p>
otp_mode	<p>Two step authentication mode.</p> <p>Method: POST</p> <p>Type: String</p> <p>Valid Values: "1": Google, "2": DUO, "3": Okta</p> <p>Default: None</p> <p>Required: No</p>
vpn_user_email_domain	<p>VPN user email domain for Google auth mode.</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: No</p>
duo_integration_key	<p>Integration key for DUO auth mode</p> <p>Method: POST</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes if enable_otp is "2"</p>

duo_secret_key	Secret key for DUO auth mode Method: POST Type: String Default: None Required: Yes if enable_otp is "2"
duo_api_hostname	API hostname for DUO auth mode Method: POST Type: String Default: None Required: Yes if enable_otp is "2"
duo_push_mode	Push mode for DUO auth Method: POST Type: String Valid values: "auto", "selective" and "token" Default: None Required: Yes if enable_otp is "2"
okta_url	URL for Okta auth mode Method: POST Type: String Default: None Required: Yes if enable_otp is "3"
okta_token	Token for Okta auth mode Method: POST Type: String Default: None Required: Yes if enable_otp is "3"
okta_username_suffix	Username suffix for Okta auth mode Method: POST Type: String Default: None Required: No
enable_elb	Specify whether to enable AWS ELB or not. Method: POST Type: String Valid Values: "yes" or "no" Default: "no"

	Required: No
enable_client_cert_sharing	Specify whether to enable client certificate authentication sharing or not. Method: POST Type: String Valid Values: "yes" or "no" Default: "no" Required: No
max_conn	Maximum connection of VPN access Method: POST Type: Integer Default: 100 Required: No
split_tunnel	Specify split tunnel mode. Method: POST Type: String Valid Values: "yes" or "no" Default: "no" Required: No
additional_cidrs	Additional CIDRs for split tunnel Method: POST Type: String Default: None Required: No
nameservers	Name servers for split tunnel Method: POST Type: String Default: None Required: No
search_domains	Search domains for split tunnel Method: POST Type: String Default: None Required: No

enable_ldap	Specify whether to enable LDAP or not. Method: POST Type: String Valid Values: "yes" Default: None Required: No
ldap_server	LDAP server address Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_bind_dn	LDAP bind DN Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_password	LDAP password Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_base_dn	LDAP base DN Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_user_attr	LDAP user attribute Method: POST Type: String Default: None Required: Yes if enable_ldap is "yes"
ldap_additional_req	Additional requirements for LDAP Method: POST Type: String Default: None Required: No

ldap_use_ssl	Specify whether to use SSL for LDAP authentication. Method: POST Type: String Valid Values: "yes" Default: None Required: No
ldap_client_cert	LDAP client certification file path in controller. Method: POST Type: String Default: None Required: Yes if ldap_use_ssl is "yes"
ldap_ca_cert	LDAP CA certification file path in controller. Method: POST Type: String Default: None Required: Yes if ldap_use_ssl is "yes"

### 67.3 Response Elements

return	API return Type: String ("true" or "false") Valid Values: true or false
reason	Reason of failed request if return is "false". Type: String Valid Values: reason is empty String if return is "true"
results	Result of a successful API call. Type: String Valid Values: result is empty String if return is "false"

### 67.4 Example Request

```
curl -k --data "CID=55d26cc728d70" --data "action=create_container" --data "cloud_type=1" --data "account_name=devtest" --data "vpc_name=gw1" --data "vpc_reg=us-west-2" --data "vpc_size=t2.micro" --data "vpc_net=10.0.0.0/24--us-west-2b" "https://192.168.0.251/v1/api"
```



## 67.5 Example Response

```
{  
  "return": true,  
  "result": "An email with instructions has been sent to  
staffs@example.com"  
}
```