|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **VPC API operation** | **curl commands used** | **Was the final curl command the same as the one in the API specification?** | **Was the output of the VPC API operation being tested compatible with the specification and/or specification example output?** | **If there was no specification example output (and there should be), list a valid response/return example that should be added to the spec output.** |
| GET /v1/vpcs | curl -X GET "$vpc\_api\_endpoint/v1/vpcs?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification although property **vpcs[]{vpc.resource\_type}** is present in curl response but not documented in the api. |
| GET /v1/vpcs/{id} | curl -X GET "$vpc\_api\_endpoint/v1/vpcs/$vpc\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification although property **vpc.resource\_type** ispresent in curl response but not documented in the api |
| POST /v1/vpcs | curl -X POST "$vpc\_api\_endpoint/v1/vpcs?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "name": " test2-2"  }'  curl -X POST "$vpc\_api\_endpoint/v1/vpcs?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "name": "test2-2",  "resource\_group": { "id": " "ea28d6d5de624c9e974fda9ecd3f4262"  }' | Yes | Yes | Specification example output is present and matches the api specification |
| PATCH /v1/vpcs/{id} | curl -X PATCH "$vpc\_api\_endpoint/v1/vpcs/$vpc\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "name": "test-2-updated"  }' | Yes | Yes | Specification example output is present and matches the api specification |
| DELETE /v1/vpcs/{id} | curl -X DELETE "$vpc\_api\_endpoint/v1/vpcs/$vpc\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Status code is correct. Vpc is deleted as expected. Output is as described in specification |
| GET /v1/subnets | curl -X GET "$vpc\_api\_endpoint/v1/subnets?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification |
| GET /v1 subnets /{id} | curl -X GET "$vpc\_api\_endpoint/v1/subnets/$subnet\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification |
| POST /v1/subnets | curl -X POST "$vpc\_api\_endpoint/v1/subnets?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "name": "my-subnet-1",  "ipv4\_cidr\_block": "10.0.1.0/24",  "ip\_version": "ipv4",  "zone": { "name": "us-south-1" },  "vpc": { "id": "a0819609-0997-4f92-9409-86c95ddf59d3" }  }' | Yes | No | ipv4\_cidr\_block is provided in request body but the api specification does not set specify either **subnetByCIDR** or **subnetByTotalCount** as required. It looks like it’s optional so not really clear to user. Maybe perhaps it should be among the required fields at the top of the specification instead of being at the bottom among the optional fields |
| PATCH /v1/ subnets/{id} | curl -X PATCH "$vpc\_api\_endpoint/v1/subnets/$subnet\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{ "name":"my-subnet-1-modified" }' | Yes | Yes | Status code is correct. Vpc is deleted as expected. Output is as described in specification |
| DELETE /v1/ subnets/{id} | curl -X DELETE "$vpc\_api\_endpoint/v1/subnets/$subnet\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Status code is correct. Subnet is deleted as expected. Output is as described in specification |
| GET /v1/keys | curl -X GET "$vpc\_api\_endpoint/v1/keys/$id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | No | API response has properties like **first**, **limit**, **total\_count** but api specification doesn’t state that the fields are available. In a real curl response, the properties stated above are also not available. |
| GET /v1/keys/{id} | curl -X GET "$vpc\_api\_endpoint/v1/keys/$id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification |
| POST /v1/keys | curl -X POST "$vpc\_api\_endpoint/v1/keys?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "name":"my-key-1",  "public\_key":"ssh-rsa AAAAB...n",  "type":"rsa"  }' | Yes | Yes | Specification example output is present and matches the api specification |
| PATCH /v1/keys/{id} | curl -X PATCH "$vpc\_api\_endpoint/v1/keys/$id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{ "name": "my-key-1-modified" }' | Yes | Yes | Specification example output is present and matches the api specification |
| DELETE /v1/keys/{id} | curl -X DELETE "$vpc\_api\_endpoint/v1/keys/$id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Status code is correct. key is deleted as expected. Output is as described in specification |
| POST /v1/instances | curl -X POST "$vpc\_api\_endpoint/v1/instances?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "boot\_volume\_attachment": {  "volume": {  "encryption\_key": {  "crn": "crn:[...]"  },  "name": "my-boot-volume",  "profile": {  "name": "general-purpose"  }  }  },  "image": {  "id": "9aaf3bcb-dcd7-4de7-bb60-24e39ff9d366"  },  "keys": [  {  "id": "363f6d70-0000-0001-0000-00000013b96c"  }  ],  "name": "my-instance",  "placement\_target": {  "id": "0787-8c2a09be-ee18-4af2-8ef4-6a6060732221"  },  "primary\_network\_interface": {  "name": "my-network-interface",  "subnet": {  "id": "bea6a632-5e13-42a4-b4b8-31dc877abfe4"  }  },  "profile": {  "name": "bx2-2x8"  },  "volume\_attachments": [  {  "volume": {  "capacity": 1000,  "encryption\_key": {  "crn": "crn:[...]"  },  "name": "my-data-volume",  "profile": {  "name": "5iops-tier"  }  }  }  ],  "vpc": {  "id": "f0aae929-7047-46d1-92e1-9102b07a7f6f"  },  "zone": {  "name": "us-south-1"  }  }' | Yes | Unsure. I couldn’t create a new instance of this because it depended on creating a volume and a profile. I tried to create a volume but was getting token missing error even though every other request worked.  What I did was use the response from the IBM Cloud Python SDK Core but the response from there, matches the specification. Also, it is not very clear on the API specification which properties are required.  **boot\_volume\_attachment zone**, and **primary\_network\_interface,** are not present in the api specification description for the body data to pass in to the request but it is used in the curl example. | Result from the Python VPC SDK Core matches the specification |
| GET /v1 instances /{id} | curl -X GET "$vpc\_api\_endpoint/v1/instances/$instance\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Result dependent on the POST request test above |
| GET /v1/instances | curl -X GET "$vpc\_api\_endpoint/v1/instances?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Result dependent on the POST request test above |
| PATCH /v1/ instances/{id} | curl -X PATCH "$vpc\_api\_endpoint/v1/instances/$instance\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{"name": "my-instance"}' | Yes | Yes | Result dependent on the POST request test above |
| DELETE /v1/ instances/{id} | curl -X DELETE "$vpc\_api\_endpoint/v1/instances/$instance\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Result dependent on the POST request test above |
| GET /v1/floating\_ips | curl -X GET "$vpc\_api\_endpoint/v1/floating\_ips?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification |
| GET /v1/floating\_ips/{id} | curl -X GET "$vpc\_api\_endpoint/v1/floating\_ips/$floating\_ip\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Specification example output is present and matches the api specification |
| POST /v1/floating\_ips | curl -X POST "$vpc\_api\_endpoint/v1/floating\_ips?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{  "name": "my-floating-ip-1",  "target": {  "id": "5a07e83d-c1f3-4df2-bcec-41b09c006847"  }  }' | Yes | Yes | API specification doesn’t specify that Floating Ip (target or zone) are required. |
| PATCH /v1/floating\_ips/{id} | curl -X PATCH "$vpc\_api\_endpoint/v1/floating\_ips/$floating\_ip\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" -d '{ "name":"my-floating-ip-1" }' | Yes | Yes | Specification example output is present and matches the api specification |
| DELETE /v1/floating\_ips/{id} | curl -X DELETE "$vpc\_api\_endpoint/v1/floating\_ips/$floating\_ip\_id?version=2021-05-06&generation=2" -H "Authorization: $iam\_token" | Yes | Yes | Status code is correct. Floating\_ips is deleted as expected. Output is as described in specification |