vmware®

by **Broadcom**

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Broadcom Value Pack
Interface Specification

Release Version 1.0

VMware Aria Automation 8.18

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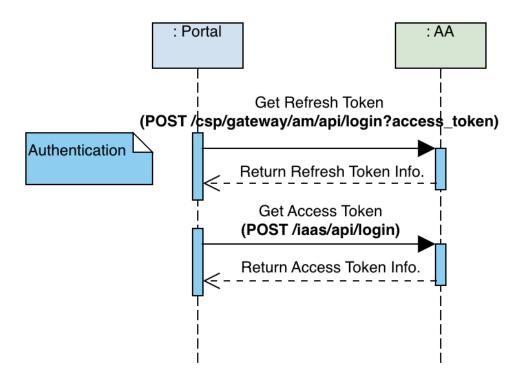
This clause provides an overview of processes, interfaces and information elements associated with the Broadcom Value Pack (BVP) interface reference point.

The following reference point is used for exchanges between Custom User Portal system and Broadcom Value Pack (BVP) and supports the following interfaces:

- Authentication Management

- Infrastructure as a Service Management

- Project Management

- Value Pack Service Catalog Management

- Service Catalog Management

- Service Deployment Management

- Infrastructure Resource Management

2. Authentication

2.1. Get Refresh Token

This operation is for AA to authenticate user credential information requested from external systems and issues refresh token if user credential is valid. User ID used for external systems to interface with AA should be registered at AA in advance. And then AA generates refresh token if credential is valid when external system requests refresh token to AA.

URI	Method	Description
/csp/gateway/am/api/login?access_token	POST	Authenticates and generates a refresh token.

2.1.1. Request

■ URI parameters

Name	Required	Type	Description
N/A			

■ Request parameters

Name	Required	Type	Description
username	YES	String	The user id. It uniquely identifies the user.
password	YES	String	The password of user id
domain	NO	String	endpoint associated with the identity access service

■ JSON Request

```
{
    "username": "broadcomUser",
    "password": "Pa$$$word1!"
}
```

2.1.2.   Response

The response to an authentication request returns the token ID in the Csp-Auth-Token header. Refresh token is valid for 90 days.

■ Response parameters

Name	Cardinality	Type	Description
refresh_token	1	String	A refresh token string

■ JSON Response

```
{
  "refresh_token": "hYh1CchhdIRkrOAYHudd1BXatv2xb90U"
}
```

■ Header Response

Csp-Auth-Token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3Mjk1NzYzMDYsImV4cCI6MTcyOTYwNTEwNiwianRpIjoiNTRlNmM4MDAtZTc4ZS00ODRmLTk2MTYt
OWE5NzlkZDg2Y2RjIiwiY29udGV4dCI6Ilt7XCJtdGRrcijpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuMDp
hYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5NTc2MzA2LFwiaWR
cIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1sc2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY3
MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5Nm5mIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwidX
Nlcm5hbWUiOiJtaHl1bnNvbnsiLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0NW
QtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82YmQz
YTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJuY
WwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5pc
3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJizk2OC9hdXRvbW
F0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA5Y2
Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTEzZT
UtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjdCI6Ijk4QiOiJtaHl1bnNvbisifQ.kyxsmPwYylgA5HE5ADihL15j7z
Mzm4ZRc77T3cK8cQdVVdr0h7oU8FJ7odqf3Elo_UnqUgytQAWryXKwHKqB7o8PyYVNzG70jxH4up8KCvG
9uTppCt_u_IZxvOynvKeWCtZbnQJ4FNk-lFgA5lXdIaFd2DFBxyOyMUZo_Zs5clQgk-MMNKB_qvNqJ8-vSZ3
XPvZzLuHSgx0evRAvnvq7umul6TudzBHb4PGXT60xTNFEJyQgHPz5tOmFrIvW58YTTv4jIeBx9xpPyoKpiU
gcT6ex6LtIAZeA2W5xZOjq2HHGw13zQau2M9gIDWijwVMtntt_zwfP2EhWdTnh9JIyVg

2.1.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

2.2. Get Access Token

This operation is for AA to validate access tokens requested from external systems. If the auth token is not valid or expired, the auth token should be re-created using Get Access token API. After 25 minutes of inactivity, the access token times out, and you must request it again.

URI	Method	Description
/iaas/api/login	POST	Generate an access token.

2.2.1. Request

- URI parameters

Name	Required	Type	Description
N/A			

- Request parameters

Name	Required	Type	Description
refreshToken	YES	String	Valid refresh token

- JSON Request

```
{
        "refreshToken": "i2BNorG8nyY1w4Sq6E2CI5jUn6tvqbEO"
}
```

2.2.2. Response

- Response parameters

Name	Cardinality	Type	Description
tokenType	1	String	A token type. (Bearer)
token	1	String	A token string

- JSON Response
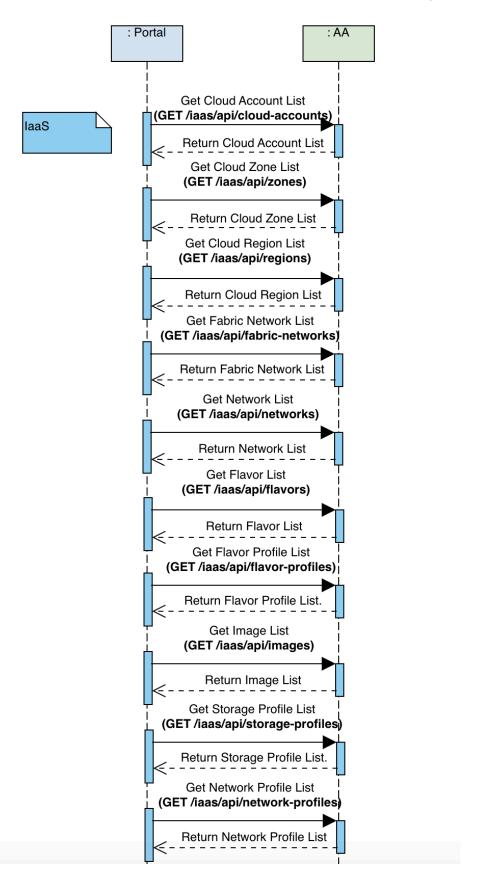
```
{

  "tokenType": "Bearer",
  "token":
"eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOi
JodHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQ
```

iOjE3Mjk1ODMxNzQsImV4cCI6MTcyOTYxMTk3NCwianRpIjoiZjg5ZWFmMmEtNDdiMi00NmM2LWIwYW
MtZmNmNWUwYzYwMmYxIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MO
jIuMDphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5NTgzMTc0LF
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MmY3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2Fs
IiwidXNlcm5hbWUiOiJtaHl1bnNvbiLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MT
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XRvbWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBi
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LTEzZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjdCI6IjtaHl1bnNvbsifQ.baoTI5M5RQI8VshuGzFX
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2TDO5styl7sRcskd05UVFLkzaeGpzUACQwyLo6KrRGObYsINLXHg6WsGme0vklrMGU01aZwe_Fu1g6ky8B
X11UGAAIgfAZGaNY5kiv_LPDJMxp6-Ymwr6JYnCsY0AdJqMdcEaVpVe-Ye994WE5lXbheeiOA"
}

2.2.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3. Infrastructure as a Service (Iaas) Management

3.1.   Cloud Account List Query

This operation is to query the cloud account list.

URI	Method	Description
/iaas/api/cloud-accounts	GET	Get all cloud account lists.

3.1.1.   Request

■   URI parameters

Name	Required	Type	Description
N/A			

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
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DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1sc2VyLU04Qmx0eHVMcmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2Fsiiw
XNlcm5hbWUiOiJtaHIlbnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsc2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThllN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGlyNyIsImFjY3QiOiJtaGl1bnNvaifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpleY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
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rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

3.1.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of cloud account information

id	1	String	UUID for cloud account
name	1	String	Cloud account name
cloudAccountType	1	String	Cloud account type. Enum ["vcf","nsxt"]
cloudAccountProperties	1..N	Object	The properties of the cloud account
hostName	1	String	
certificate	1	String	
privateKeyId	1	String	
useSharedNsx	1	String	Enum ["true","false"]
supportTagging	1	String	
use.policy.api	1	String	Enum ["true","false"]
isGlobalManager	1	String	Enum ["true","false"]
acceptSelfSignedCertificate	1	String	Enum ["true","false"]
endpointHealthCheckState	1	String	Enum ["AVAILABLE","SUSPENDED"]
nsxHostName	1	String	
vcfDomainId	1	String	
sddcManagerId	1	String	
vcfDomainName	1	String	
nsxCertificate	1	String	
nsxPrivateKeyId	1	String	
authCredentialsLink	1	String	
sddcManagerHostName	1	String	
isExternal	1	String	Enum ["true","false"]
useServiceCredentials	1	String	Enum ["true","false"]
nsxAuthCredentialsLink	1	String	
vsphere	1	String	
vcenterResourceId	1	String	
lastSuccessfulImageEnumerationTimestampMicro	1	String	
consecutiveFailuresCount	1	String	Default "0"
lastSuccessfulEnumerationTimestampMicro	1	String	
imageEnumerationTaskState	1	String	Enum ["FINISHED"]
lastSuccessfulImageEnumerationTimestampMicro	1	String	
consecutiveFailuresCount	1	String	
lastSuccessfulEnumerationTimestampMicro	1	String	
nsx	1	String	
dcId	1	String	
nsxResourceId	1	String	
lastFailureTimestampMillis	1	String	
lastEnumerationTimestampMicro	1	String	
enumerationTaskState	1	String	Enum ["FINISHED"]

acceptSelfSignedCertificate	1	String	Enum ["true","false"]
enabledRegionIds	1..N	Array	Cloud account name
< value >	1	String	Region ID
enabledRegions	1	Array	Array of enabled region
id	1	String	Region ID
name	1	String	Region name
externalRegionId	1	String	External region ID
cloudAccountId	1	String	Cloud account ID
organizationId	1	String	Organization ID
orgId	1	String	Organization ID
_links	1	Object	Link information
self	1	Object	Object of self
href	1	String	URI for this resource
cloud-account	1	Object	Object of cloud account
href	1	String	URI for this resource
updatedAt	1	String	Updated time
customProperties	1..N	Object	The object of the custom properties
hostName	1	String	
certificate	1	String	
privateKeyId	1	String	
useSharedNsx	1	String	Enum ["true","false"]
supportTagging	1	String	Cloud account name
use.policy.api	1	String	Enum ["true","false"]
isGlobalManager	1	String	Enum ["true","false"]
acceptSelfSignedCertificate	1	String	Enum ["true","false"]
endpointHealthCheckState	1	String	Enum ["AVAILABLE","SUSPENDED"]
nsxHostName	1	String	
vcfDomainId	1	String	
sddcManagerId	1	String	
vcfDomainName	1	String	
nsxCertificate	1	String	
nsxPrivateKeyId	1	String	
authCredentialsLink	1	String	
sddcManagerHostName	1	String	
isExternal	1	String	Enum ["true","false"]
useServiceCredentials	1	String	Enum ["true","false"]
nsxAuthCredentialsLink	1	String	
vsphere	1	String	
vcenterResourceId	1	String	
lastSuccessfulImageEnumerationTimestampMicro	1	String	

consecutiveFailuresCount	1	String	
lastSuccessfulEnumerationTimestampMicro	1	String	
imageEnumerationTaskState	1	String	Enum ["FINISHED"]
lastSuccessfulImageEnumerationTimestampMicro	1	String	
consecutiveFailuresCount	1	String	Default "0"
lastSuccessfulEnumerationTimestampMicro	1	String	
nsx	1	String	
dcId	1	String	
nsxResourceId	1	String	
lastFailureTimestampMillis	1	String	
lastEnumerationTimestampMicro	1	String	
enumerationTaskState	1	String	Enum ["FINISHED"]
acceptSelfSignedCertificate	1	String	Enum ["true","false"]
healthy	1	Boolean	
organizationId	1	String	Organization ID
orgId	1	String	Organization ID
_links	1	Object	Link information
regions	1	Object	Object of region
hrefs	1	Array	
< value >	1	String	
associated-cloud-accounts	1	Object	Object of associated cloud account
hrefs	1	Array	Array of URI
< value >	1	String	URI for this resource
self	1	Object	Object of self
href	1	String	URI for this resource
createdAt	1	String	Created time
updatedAt	1	String	Updated time
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■   JSON Response

```
{
  "content": [
    {
      "cloudAccountType": "nsxt",
      "cloudAccountProperties": {
        "hostName": "nsx1-az1.sys.sdi",
                                                            "certificate":      "-----BEGIN
CERTIFICATE-----\nMIIE/zCCAuegAwIBAgIIY3YXdWFSNkwwDQYJKoZIhvcNAQELBQAwazELMAkGA1UE\n
BhMCS1IxDjAMBgNVBAgMBVNlb3VsMQ0wCwYDVQQHDARkdW5nMRAwDgYDVQQKDAdF\ndGV2ZXJz
MRYwFAYDVQQLDA1TREkgVGVjaG5pY2FsMRMwEQYDVQQDDApFQ1MgU1lT\nIENBMB4XDTI1MDEyMT
A1MTYyN1oXDTI2MDIyMjA1MTYyN1owcTELMAkGA1UEBhMC\nS1IxDjAMBgNVBAgTBVNlb3VsMQ0wCwYD
VQQHEwRKdW5nMRAwDgYDVQQKEwdFdGV2\nZXJzMRYwFAYDVQQLEw1TREkgVGVjaG5pY2FsMRkwF
wYDVQQDExBuc3gxLWF6MS5z\neXMuc2RpMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAt
```

C/l9o2Gh7Zv\nopYp1pIOKCwubBK8AAKTjnN536P/L7zXhx9H6wcGa5HBkdwzPROKka9NOdPz2Eyw\n13n
MrJgA0ocePzD/z4p3VH8dC/4ufYBdAnnPqqNQC7UgeoUR9wVjCBWWEcoc+YMQ\nr6HMQCkCdl01D7g/z
3QBvRDST7Q2PSNRvQEB/bbqJsKmDnDZU1xbtM5owvKDHP6f\nnnYX2cs07GFNyQVD1XHwyoQJd9y3A8d
/grz3zappPlBb01t9yJt3Z9jvQ+Klatqxl\n6VvNYHH3ysmvyuiG6MKf6ZEZV9t9mRlVMze+060YYPAY6LdIQRj
WcePTVVtWiiAE\nfxRepCNTPwIDAQABo4GgMIGdMAkGA1UdEwQCMAAwHQYDVR0OBBYEFKUOKfRm
nWYl\nFBu/1lt5JenllBqmMB8GA1UdIwQYMBaAFBbszRIrN01EqU6u78apAW6MUXFLMAsG\nA1UdDwQE
AwIF4DAgBgNVHSUBAf8EFjAUBggrBgEFBQcDAQYIKwYBBQUHAwIwIwYD\nVR0RBBowGIIQbnN4MS1
hejEuc3lzLnNkaYcErBUBEDANBgkqhkiG9w0BAQsFAAOC\nAgEACOlnywDVv52a1tv1Z4bbj2+88SqeapgB
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J7dBDuGPYL7PBeshJ+AVblWJC7fI+iS4GmYd1e6ktT55g93WvykO74neD\nl3YiBzSiL++/hgQSfbxGK+HLQf
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BP7d+M5paAB2JlDp8eJJOMzPOliJrA\n8eZxFozBR4BWFwZBGa/J24ZlGXtOyYdH+NNZqvtXvnwbbs4=\n--
---END   CERTIFICATE-----\n-----BEGIN
CERTIFICATE-----\nMIIGTTCCBDWgAwIBAgIUFawlrz0qLRJ4MXqZDjCi4P+EO3EwDQYJKoZIhvcNAQEL\n
BQAwazELMAkGA1UEBhMCS1IxDjAMBgNVBAgMBVNlb3VsMQ0wCwYDVQQHDARKdW5n\nMRAwDgYD
VQQKDAdFdGV2ZXJzMRYwFAYDVQQLDA1TREkgVGVjaG5pY2FsMRwEQYD\nVQQDDApFQ1MgU1lTTIEN
BMB4XDTI1MDEyMTA0NTMxNloXDTM1MDExOTA0NTMxNlow\nazELMAkGA1UEBhMCS1IxDjAMBgNVBA
gMBVNlb3VsMQ0wCwYDVQQHDARKdW5nMRAw\nDgYDVQQKDAdFdGV2ZXJzMRYwFAYDVQQLDA1TR
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3.1.3.   Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.2. Cloud Zone List Query

This operation is to query the cloud zone list.

URI	Method	Description
/iaas/api/zones	GET	Get all zone lists.

3.2.1. Request

- URI parameters

Name	Required	Type	Description
N/A			

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization:

Bearer
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DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

3.2.2. Response

- Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of cloud zone information
id	1	String	Cloud zone ID
name	1	String	Cloud zone name
description	1	String	Description
tagsToMatch	1..N	Array	
tags	1..N	Array	Array of tag information
key	1	String	
value	1	String	
customProperties	1..N	Object	The object of the custom properties
zone_overlapping_migrated	1	String	Enum ["true", "false"]
__ignoreAdvancedPolicyFailure	1	String	Enum ["true", "false"]
placementPolicy	1	String	
folder	1	String	
externalRegionId	1	String	External region ID
cloudAccountId	1	String	Cloud account ID
createdAt	1	String	Created time
updatedAt	1	String	Updated time
orgId	1	String	Organization ID
organizationId	1	String	Organization ID
_links	1	Object	Link information
projects	1	Object	Object of project
hrefs	1	Array	
< uri >	1	String	URI for this resource
computes	1	Object	Object of computes
href	1	String	URI for this resource
self	1	Object	Object of self
href	1	String	URI for this resource
region	1	Object	Object of region
href	1	String	URI for this resource
cloud-account	1	Object	Object of cloud account
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

- JSON Response

```
{
  "content": [
    {
      "tags": [
```

```
                {
                    "key": "compute",
                    "value": "ecs-az1-cl1"
                }
            ],
            "tagsToMatch": [],
            "placementPolicy": "ADVANCED",
            "customProperties": {
                "zone_overlapping_migrated": "true",
                "__ignoreAdvancedPolicyFailure": "true"
            },
            "folder": "FD-CLOUD-SERVICE",
            "externalRegionId": "Datacenter:datacenter-3",
            "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
            "name": "ECS-AZ1",
            "description": "ECS 리전 가용성 지역 1번",
            "id": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
            "createdAt": "2025-01-18",
            "updatedAt": "2025-01-18",
            "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
            "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
            "_links": {
                "projects": {
                    "hrefs": [
                        "/iaas/api/projects/1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
                        "/iaas/api/projects/3142f41a-4e16-40ac-ab21-694f17fbeffc",
                        "/iaas/api/projects/aa0ba574-aec3-4c69-88d0-6bbb1964e8ae"
                    ]
                },
                "computes": {
                    "href": "/iaas/api/zones/65268d0b-88b6-450d-8cfe-0824d8ec257a/computes"
                },
                "self": {
                    "href": "/iaas/api/zones/65268d0b-88b6-450d-8cfe-0824d8ec257a"
                },
                "region": {
                    "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
                },
                "cloud-account": {
                    "href": "/iaas/api/cloud-accounts/f72a4740-a5ce-4047-95d4-3cbb230717e0"
                }
            }
        }
    ],
    "totalElements": 1,
    "numberOfElements": 1
}
```

3.2.3.   Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.3. Cloud Region List Query

This operation is to query the cloud region list.

URI	Method	Description
/iaas/api/regions	GET	Get all region lists.

3.3.1. Request

■ URI parameters

Name	Required	Type	Description
N/A			

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGdRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29yYWlubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHIlbnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHIlbnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

3.3.2. Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of cloud zone information
id	1	String	Cloud zone ID

name	1	String	Cloud zone name
externalRegionId	1	String	External region ID
cloudAccountId	1	String	Cloud account ID
updatedAt	1	String	Updated time
orgId	1	String	Organization ID
organizationId	1	String	Organization ID
_links	1	Object	Link information
self	1	Object	Object of self
href	1	String	URI for this resource
cloud-account	1	Object	Object of cloud account
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■   JSON Response

```
{
  "content": [
    {
      "externalRegionId": "Datacenter:datacenter-3",
      "name": "AZ1",
      "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
      "id": "44512efc-f03a-4bc6-8612-923ab68fb297",
      "updatedAt": "2025-01-18",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "self": {
          "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        },
        "cloud-account": {
          "href": "/iaas/api/cloud-accounts/f72a4740-a5ce-4047-95d4-3cbb230717e0"
        }
      }
    }
  ],
  "totalElements": 1,
  "numberOfElements": 1
}
```

3.3.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.4. Fabric Network List Query

This operation is to query the fabric network list to get information about existing networks that you use to create a network profile.

URI	Method	Description
/iaas/api/fabric-networks	GET	Get all fabric network lists.

3.4.1. Request

■ URI parameters

Name	Required	Type	Description
N/A			

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Qt
MTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVVScmkiLCJzdWIiOiJwc29sWWludbG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaWlbnNvb3siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJiZXRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQwOTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaWlbnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

3.4.2. Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of fabric network information
id	1	String	Fabric network ID

name	1	String	Fabric network name
cidr	0..1	String	Network CIDR information
externalId	1	String	
externalRegionId	1	String	External region ID
tags	1..N	Array	Array of tag information
key	1	String	
value	1	String	
customProperties	1..N	Object	The object of the custom properties
customProperties have different attributes depending on the each fabric network			
cloudAccountIds	1..N	Array	Array of cloud account IDs
< value >	1	String	Cloud account ID
createdAt	1	String	Created time
updatedAt	1	String	Updated time
orgId	1	String	Organization ID
organizationId	1	String	Organization ID
_links	1	Object	Link information
cloud-accounts	1	Object	Object of cloud account
hrefs	1	Array	
< value >	1	String	URI for this resource
network-domain	1	Object	Object of network domain
href	1	String	URI for this resource
self	1	Object	Object of self
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

JSON Response

```
{
  "content": [
    {
      "cidr": "172.21.7.0/24",
      "networkDomainId": "5f97a4f8-2f24-498c-8c65-a180adb3a640",
      "tags": [
        {
          "key": "Created by",
          "value": "VCF"
        }
      ],
      "cloudAccountIds": [
        "f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
      ],
      "customProperties": {
        "path": "/infra/segments/cf052e82-b01c-407b-8480-a6f8539e89f1"
      },
      "externalId": "cf052e82-b01c-407b-8480-a6f8539e89f1",
      "name": "ECS-CLOUD-ORG",
      "id": "0b2a9e23-6475-43a2-98b2-d63dc02e62bc",
      "createdAt": "2025-01-18",
      "updatedAt": "2025-01-18",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
```

```json
      "_links": {
        "cloud-accounts": {
          "hrefs": [
            "/iaas/api/cloud-accounts/f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
          ]
        },
        "network-domain": {
          "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        },
        "self": {
          "href": "/iaas/api/fabric-networks/0b2a9e23-6475-43a2-98b2-d63dc02e62bc"
        }
      }
    },
    {
      "cidr": "123.123.123.0/24",
      "networkDomainId": "5f97a4f8-2f24-498c-8c65-a180adb3a640",
      "tags": [
        {
          "key": "vpcSegId",
          "value": "vpy2nlyf-u4tkuujs-li5h8h3s"
        }
      ],
      "cloudAccountIds": [
        "f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
      ],
      "customProperties": {
        "vpc": "/provisioning/resources/network-profiles/4454e27e-9066-4f01-a9c3-658aa53f6d08",
        "isSimulate": "false",
        "displayName": "테스트 세그먼트 1",
        "networkType": "PRIVATE",
        "datacenterId": "Datacenter:datacenter-3",
        "vpcProjectId": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "vpcRouterName": "vpy2nlyf-u4tkuujs",
        "requestMessage": "테스트 세그먼트 1\n\nDeployment Name : SEG:
vpy2nlyf-u4tkuujs-123.123.123.0/24\nProject : 테스트 프로젝트 1\nRequest Message : 테스트 세그먼트
1\nDisplay Name : 테스트 세그먼트 1\nCode Name : li5h8h3s\nVPC : 테스트 VPC 1\nCIDR : 123.123.123.0/24",
        "vpcProjectName": "vpy2nlyf",
        "isOnDemandSubnet": "true",
        "vpcProjectDomain": "vpy2nlyf.cloud.esp.sdi",
        "vpcManagedAddress": "172.22.101.16",
        "vpcTransitAddress": "172.22.11.22",
        "vpcInfraProfileLink":
"/provisioning/resources/network-profiles/fd62cb6b-6ffa-4e93-a9f7-794f0600efc9",
        "vpcManagedTier1Path": "/infra/tier-1s/80d09653-0a0b-4745-ad07-70714e378e9b",
        "vpcManagedRouterLink": "/resources/routers/f56f6e30-e989-468d-bb39-51852cd0cc9f",
        "vpcManagedSubnetLink": "/resources/sub-networks/3483d4a0-2a7c-4ebb-beda-126fc6b5c2be",
        "vpcTransitSubnetLink": "/resources/sub-networks/45a30f3e-9085-4886-9b22-556620b81437",
        "vpcDnsServerAddresses": "[\"172.21.1.2\", \"172.21.1.3\"]",
        "vpcManagedGatewayLink":
"/provisioning/resources/compute-gateways/c1dcd41f-6fb6-4183-b842-494a9dea44a0",
        "vpcManagedNetworkLink":
"/provisioning/resources/compute-networks/8a9a5768-90f7-4df1-9700-dfd11edb7027",
        "vpcManagedSegmentPath": "/infra/segments/5649b62f-d7f1-4926-8da6-fa428c891c2e",
        "vpcTransitSegmentPath": "/infra/segments/AZ1-SEG-TRANSIT",
        "vpcManagedIpAddressLink":
"/resources/ip-addresses/6a6bd90b-b1bd-4b3d-8af7-cc87c42e1990_172.22.101.16",
        "vpcTransitIpAddressLink":
"/resources/ip-addresses/39f0fb43-6439-456c-ac7a-5a5d9b758179_172.22.11.22",
        "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
        "vpcManagedLoadBalancerLink":
"/resources/load-balancers/4706fab8-ed96-4023-a9ff-620cf2b1afb7",
        "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
        "onDemandNetworkIPAssignmentType": "static",
```

```json
        "path": "/infra/segments/43da4fea-c6d6-4608-afc7-a5aaabaae048"
      },
      "externalId": "43da4fea-c6d6-4608-afc7-a5aaabaae048",
      "name": "vpy2nlyf-u4tkuujs-li5h8h3s",
      "description": "Network Segment provisioned and managed by VMware Aria Automation",
      "id": "103a3bd6-92ff-4622-bb6d-cc5dd26b7c13",
      "createdAt": "2025-03-02",
      "updatedAt": "2025-03-02",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "cloud-accounts": {
          "hrefs": [
            "/iaas/api/cloud-accounts/f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
          ]
        },
        "network-domain": {
          "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        },
        "self": {
          "href": "/iaas/api/fabric-networks/103a3bd6-92ff-4622-bb6d-cc5dd26b7c13"
        }
      }
    },
    {
      "cidr": "10.255.255.0/24",
      "networkDomainId": "5f97a4f8-2f24-498c-8c65-a180adb3a640",
      "tags": [
        {
          "key": "vpcSegId",
          "value": "vpy2nlyf-u4tkuujs"
        }
      ],
      "cloudAccountIds": [
        "f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
      ],
      "customProperties": {
        "isSimulate": "false",
        "networkType": "OUTBOUND",
        "datacenterId": "Datacenter:datacenter-3",
        "isOnDemandSubnet": "true",
        "PolicyNatRulesIDs": "[\"5649b62f-d7f1-4926-8da6-fa428c891c2e\"]",
        "skipRouterCreation": "true",
        "PolicyLocaleServicesIDs": "[\"5649b62f-d7f1-4926-8da6-fa428c891c2e\"]",
        "logicalRouterExternalId": "80d09653-0a0b-4745-ad07-70714e378e9b",
        "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
        "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
        "isAttachedToStandaloneRouter": "false",
        "onDemandNetworkIPAssignmentType": "static",
        "path": "/infra/segments/5649b62f-d7f1-4926-8da6-fa428c891c2e"
      },
      "externalId": "5649b62f-d7f1-4926-8da6-fa428c891c2e",
      "name": "vpy2nlyf-u4tkuujs",
      "description": "Network Segment provisioned and managed by VMware Aria Automation",
      "id": "3483d4a0-2a7c-4ebb-beda-126fc6b5c2be",
      "createdAt": "2025-03-02",
      "updatedAt": "2025-03-02",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "cloud-accounts": {
          "hrefs": [
            "/iaas/api/cloud-accounts/f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
          ]
```

```
        },
        "network-domain": {
            "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        },
        "self": {
            "href": "/iaas/api/fabric-networks/3483d4a0-2a7c-4ebb-beda-126fc6b5c2be"
        }
      }
    },
    …
  ],
  "totalElements": 61,
  "numberOfElements": 61
}
```

3.4.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.5.   Network List Query

This operation is to query the fabric network list to get information about on-demand networks that are provisioned with a deployment.

URI	Method	Description
/iaas/api/networks	GET	Get all network lists.

3.5.1.   Request

■   URI parameters

Name	Required	Type	Description
N/A			

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:
Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ

odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJteHlbnNvb3siLCJwZWJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJteHlbnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

3.5.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of network information
id	1	String	Network ID
name	1	String	Network name
cidr	0..1	String	Network CIDR information
projectId	1	String	Project ID
deploymentId	1	String	Deployment ID
provisioningStatus	1	String	Enum ["READY"]
externalId	1	String	
externalRegionId	1	String	External region ID
tags	1..N	Array	Array of tag information
key	1	String	
value	1	String	
customProperties	1..N	Object	The object of the custom properties
customProperties have different attributes depending on the each network			
cloudAccountIds	1..N	Array	Array of cloud account IDs
< value >	1	String	Cloud account ID
owner	1	String	
ownerType	1	String	Enum ["user"]
updatedAt	1	String	Updated time
orgId	1	String	Organization ID
organizationId	1	String	Organization ID
_links	1	Object	Link information
cloud-accounts	1	Object	Object of cloud account
hrefs	1	Array	

< value >	1	String	URI for this resource
network-domains	1	Object	Object of network domain
href	1	String	URI for this resource
self	1	Object	Object of self
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■ JSON Response

```
{
  "content": [
    {
      "cidr": "172.22.11.0/24",
      "externalRegionId": "global",
      "cloudAccountIds": [
        "f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
      ],
      "tags": [
        {
          "key": "network",
          "value": "ecs-az1-transit"
        }
      ],
      "customProperties": {},
      "externalId": "AZ1-SEG-TRANSIT",
      "name": "AZ1-SEG-TRANSIT",
      "id": "ebcc352e-cef5-4f1b-be1c-e1156261c7d3",
      "updatedAt": "2025-01-18",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "cloud-accounts": {
          "hrefs": [
            "/iaas/api/cloud-accounts/f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
          ]
        },
        "self": {
          "href": "/iaas/api/networks/ebcc352e-cef5-4f1b-be1c-e1156261c7d3"
        },
        "network-domains": {
          "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        }
      }
    },
    {
      "cidr": "10.255.255.0/24",
      "projectId": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
      "externalRegionId": "",
      "cloudAccountIds": [
        "f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
      ],
      "deploymentId": "5192b29b-eac5-4db6-a0fe-5f54f6ecfcd9",
      "provisioningStatus": "READY",
      "tags": [
        {
          "key": "vpcSegId",
          "value": "vpy2nlyf-hpfszi5b"
        }
      ],
```

```
      "customProperties": {
        "path": "/infra/segments/0c5ecae7-aba8-4583-a65a-e61e27687360",
        "domain": "vpy2nlyf.cloud.esp.sdi",
        "netmask": "255.255.255.0",
        "isSimulate": "false",
        "networkCidr": "10.255.255.0/24",
        "networkType": "OUTBOUND",
        "datacenterId": "Datacenter:datacenter-3",
        "prefixLength": "24",
        "gatewayAddress": "10.255.255.1",
        "computeGatewayId": "660f6226-3e30-4296-8e27-9f56f2e2c1cb",
        "dnsSearchDomains": "[vpy2nlyf.cloud.esp.sdi]",
        "dnsServerAddresses": "[172.21.1.2, 172.21.1.3]",
        "skipRouterCreation": "true",
        "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
        "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
        "onDemandNetworkIPAssignmentType": "static",
        "/resources/sub-networks/b84ee6bb-791a-4b5c-b88d-10e98ef10b56": "[\"172.22.101.17\"]",
        "/resources/load-balancers/3ae1e8c2-e28f-422d-bbf5-689a259e2d42": "true",
                    "/resources/sub-networks/b84ee6bb-791a-4b5c-b88d-10e98ef10b56-IPAddressLinks":
"[\"/resources/ip-addresses/6a6bd90b-b1bd-4b3d-8af7-cc87c42e1990_172.22.101.17\"]",
                    "/resources/load-balancers/3ae1e8c2-e28f-422d-bbf5-689a259e2d42-IPAddressLinks":
"[\"/resources/ip-addresses/36bd3270-8581-4531-a045-03b1c3abddcd_10.255.255.2\"]"
      },
      "externalId": "de3c971a-4d87-4c2e-ad21-e935c9e32da9",
      "name": "vpy2nlyf-hpfszi5b",
      "id": "e734c565-53d4-441d-bbc3-080a425ca6d4",
      "updatedAt": "2025-03-02",
      "owner": "hc.jang",
      "ownerType": "user",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "cloud-accounts": {
          "hrefs": [
            "/iaas/api/cloud-accounts/f19b16cb-7c45-42e7-afb2-54c7a0d8cc27"
          ]
        },
        "self": {
          "href": "/iaas/api/networks/e734c565-53d4-441d-bbc3-080a425ca6d4"
        },
        "network-domains": {
          "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        }
      }
    },
    …
  ],
  "totalElements": 23,
  "numberOfElements": 11
}
```

3.5.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.6.   Flavor List Query

This operation is to query the flavor list.

URI	Method	Description
/iaas/api/flavors	GET	Get all network lists.

3.6.1.   Request

■   URI parameters

Name	Required	Type	Description
N/A			

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdGRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU4QmxteHVScmkiLCJzdWIiOiJwc29sYWludbG9jYWw6MmY
3MWMxZTgtOTkxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpLmxvY2Fsiiwid
XNlcm5hbWUiOiJtaHI1bnNv2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDlyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2VmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHI1bnNvbisifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

3.6.2.   Response

■   Response parameters

Name	Cardinality	Type	Description

content	1..N	Array	Array of flavor
mapping	1..N	Object	Object of flavor mapping
< value >	1	Object	Flavor name
cpuCount	1	Integer	CPU counts
memoryInMB	1	Integer	Memory size as megabytes
externalRegionId	1	String	External region ID
_links	1	Object	Link information
region	1	Object	Object of region
href	1	String	URI for region resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

- JSON Response

```
{
  "content": [
    {
      "mapping": {
        "small": {
          "cpuCount": 1,
          "memoryInMB": 2048
        },
        "large": {
          "cpuCount": 2,
          "memoryInMB": 8192
        },
        "xlarge": {
          "cpuCount": 4,
          "memoryInMB": 16384
        },
        "medium": {
          "cpuCount": 2,
          "memoryInMB": 4096
        }
      },
      "externalRegionId": "Datacenter:datacenter-3",
      "_links": {
        "region": {
          "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        }
      }
    }
  ],
  "totalElements": 1,
  "numberOfElements": 1
}
```

3.6.3.　Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.7. Flavor Profile List Query

This operation is to query the flavor profile list for each type of cloud account.

URI	Method	Description
/iaas/api/flavor-profiles	GET	Get all flavor profile lists for each type of cloud account.

3.7.1. Request

■ URI parameters

Name	Required	Type	Description
N/A			

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXVwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiIwc29sYWlubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bnVv2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHl1bnNvbnNifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

3.7.2. Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of flavor profile information
id	1	String	Flavor profile ID
name	1	String	Flavor profile name
cloudAccountId	1	String	Cloud account ID
flavorMappings	1	Object	Object of flavor mappings
mapping	1..N	Object	Object of flavor mapping
< value >	1	Object	Flavor name
cpuCount	1	Integer	CPU counts
memoryInMB	1	Integer	Memory size as megabytes
_links	1	Object	Link information
region	1	Object	Object of region
href	1	String	URI for region resource
externalRegionId	1	String	External region ID
_links	1	Object	Link information
self	1	Object	Object of self
href	1	String	URI for this resource
region	1	Object	Object of region
href	1	String	URI for region resource
organizationId	1	String	Organization ID
orgId	1	String	Organization ID
createdAt	1	String	Created time
updatedAt	1	String	Updated time
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■ JSON Response

```
{
  "content": [
    {
      "flavorMappings": {
        "mapping": {
          "small": {
            "cpuCount": 1,
            "memoryInMB": 2048
          },
          "large": {
            "cpuCount": 2,
            "memoryInMB": 8192
          },
          "xlarge": {
            "cpuCount": 4,
            "memoryInMB": 16384
          },
          "medium": {
            "cpuCount": 2,
            "memoryInMB": 4096
          }
        },
        "_links": {
```

```
            "region": {
                "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
            }
        }
    },
    "externalRegionId": "Datacenter:datacenter-3",
    "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
    "name": "",
    "id": "72289d0c-8e6c-4825-ad70-89208f5c1e75-44512efc-f03a-4bc6-8612-923ab68fb297",
    "createdAt": "2025-01-19",
    "updatedAt": "2025-01-19",
    "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
    "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
    "_links": {
        "self": {
                                                                                    "href":
"/iaas/api/flavor-profiles/72289d0c-8e6c-4825-ad70-89208f5c1e75-44512efc-f03a-4bc6-8612-923ab68fb29
7"
        },
        "region": {
            "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        }
    }
    }
    }
  ],
  "totalElements": 1,
  "numberOfElements": 1
}
```

3.7.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.8.   Image List Query

This operation is to query the image list.

URI	Method	Description
/iaas/api/images	GET	Get all image lists.

3.8.1.   Request

- URI parameters

Name	Required	Type	Description
N/A			

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y2y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHV5ScmkiLCJzdWIiOiJwc29sYWllubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpLmxvY2Fsiiwid
XNlcm5hbWUiOiJtaHJ1bnNvbiIsLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHJ1bnNvbiifhQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

3.8.2. Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of image information
mapping	1..N	Object	Object of image mapping
<image name>	1	Object	Image name
id	1	String	UUID for image mapping
name	1	String	Name for image mapping
description	1	String	Description
constraints	1..N	Object	Array of constraints
cloudConfig	1	String	Cloud config
externalId	1	String	External ID
isPrivate	1	Boolean	Default is false
_links	1	Object	Link information
region	1	Object	Object of region
href	1	String	URI for region resource
externalRegionId	1	String	External region ID
_links	1	Object	Link information
region	1	Object	Object of region

href	1	String	URI for region resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■   JSON Response

```json
{
  "content": [
    {
      "mapping": {
        "Ubuntu 24.04": {
          "constraints": [],
          "cloudConfig": "",
          "osFamily": "LINUX",
          "externalRegionId": "Datacenter:datacenter-3",
          "isPrivate": false,
          "hasOvfProperties": false,
          "externalId": "5032aef0-6b6a-4890-dbd1-a4f6e2a324b9",
          "name": "ubuntu.template.automation",
          "description": "ubuntu.template.automation",
          "id": "9e6d1fd15a55856660bfad9084d99ad9344b87e7",
          "_links": {
            "region": {
              "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
            }
          }
        }
      },
      "externalRegionId": "Datacenter:datacenter-3",
      "_links": {
        "region": {
          "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        }
      }
    }
  ],
  "totalElements": 1,
  "numberOfElements": 1
}
```

3.8.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.9.   Storage Profile List Query

This operation is to query the storage profiles which are organized under cloud-specific regions. One cloud account might have multiple regions, with multiple storage profiles under each.

URI	Method	Description
/iaas/api/storage-profiles	GET	Get all storage profile lists.

3.9.1. Request

■ URI parameters

Name	Required	Type	Description
N/A			

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1jc2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtdHlibnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsc2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG9iZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2E4NDdmYjk5Y3vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtdGlibnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

3.9.2. Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of storage profile information
id	1	String	Storage profile ID
name	1	String	Storage profile name
defaultItem	1	Boolean	
externalRegionId	1	String	External region ID

cloudAccountId	1	String	Cloud account ID
tags	1	Array	
key	1	String	
value	1	String	
diskProperties	1	Object	The properties of the disk
provisioningType	1	String	Enum ["thin", "thick"]
diskType	1	String	
priority	1	Integer	
storageFilterType	1	String	
tagsToMatch	1	Array	
createdAt	1	String	Created time
updatedAt	1	String	Updated time
orgId	1	String	Organization ID
organizationId	1	String	Organization ID
_links	1	Object	Link information
self	1	Object	Object of self
href	1	String	URI for this resource
region	1	Object	Object of region
href	1	String	URI for this resource
storage-profile-associations	1	Object	Object of storage profile association
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■ JSON Response

```
{
  "content": [
    {
      "defaultItem": true,
      "tags": [
        {
          "key": "storage",
          "value": "ecs-az1-cl1"
        }
      ],
      "diskProperties": {
        "provisioningType": "thin",
        "diskType": "standard"
      },
      "externalRegionId": "Datacenter:datacenter-3",
      "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
      "priority": 1,
      "storageFilterType": "MANUAL",
      "tagsToMatch": [],
      "name": "ECS-AZ1-CL1-VSAN",
      "id": "234efdb2-d415-49a3-a166-e98acd0fda91",
      "createdAt": "2025-01-18",
      "updatedAt": "2025-01-18",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
```

```
        "storage-profile-associations": {
                                                                        "href":
"/iaas/api/storage-profiles/234efdb2-d415-49a3-a166-e98acd0fda91/storage-profile-associations"
        },
        "self": {
            "href": "/iaas/api/storage-profiles/234efdb2-d415-49a3-a166-e98acd0fda91"
        },
        "region": {
            "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        }
      }
    }
  ],
  "totalElements": 1,
  "numberOfElements": 1
}
```

3.9.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

3.10.   Network Profile List Query

This operation is to query the network profiles that are available for a cloud account in a particular region or data center.

URI	Method	Description
/iaas/api/network-profiles	GET	Get all network profile lists.

3.10.1.   Request

- URI parameters

Name	Required	Type	Description
N/A			

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y2y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQiOjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2QtMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRrcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuMDphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJyYXRcIjoxNzI5MjEzNjAxLFwiaWRcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1lc2VyLU04QmxteHVVVScmkiLCJzdWIiOiJwc29yYWIubG9jYWw6Mm
Y3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFsLmxvY2FsIiwi
XNlcm5hbWUiOiJtaHIlbnNvbiIsLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLTHlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaGl1bnNvbiIsifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1Mcbknwgck8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

3.10.2. Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of network profile
id	1	String	Network profile ID
name	1	String	Network profile name
description	1	String	Description
cloudAccountId	1	String	Cloud account ID
externalRegionId	1	String	External region ID
isolationType	1	String	Enum ["SUBNET"]
isolationNetworkDomainCIDR	1	String	
isolationNetworkCIDRPrefix	1	String	
tags	1..N	Array	Array of tag information
key	1	String	
value	1	String	
customProperties	1..N	Object	The object of the custom properties
datacenterId	1	String	Datacenter ID
onDemandNetworkIPAssignmentType	1	String	Enum ["static"]
createdAt	1	String	Created time
updatedAt	1	String	Updated time
orgId	1	String	Organization ID
organizationId	1	String	Organization ID
_links	1	Object	Link information

load-balancers	1	Object	Object of load balancer
hrefs	1	Array	
< value >	1	String	URI for this resource
fabric-networks	1	Object	Object of fabric network
hrefs	1	Array	
< value >	1	String	URI for this resource
isolated-external-fabric-networks	1	Object	Object of isolated external fabric network
href	1	String	URI for this resource
region	1	Object	Object of region
href	1	String	URI for this resource
network-domains	1	Object	Object of network domain
href	1	String	URI for this resource
self	1	Object	Object of self
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■ JSON Response

```
{
  "content": [
    {
      "externalRegionId": "Datacenter:datacenter-3",
      "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
      "isolationType": "SUBNET",
      "isolationNetworkDomainCIDR": "172.22.0.0/16",
      "isolatedNetworkCIDRPrefix": 24,
      "tags": [
        {
          "key": "vpcId",
          "value": "4454e27e-9066-4f01-a9c3-658aa53f6d08"
        }
      ],
      "customProperties": {
        "datacenterId": "Datacenter:datacenter-3",
        "vpcProjectId": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "vpcRouterName": "vpy2nlyf-u4tkuujs",
        "vpcProjectName": "vpy2nlyf",
        "vpcProjectDomain": "vpy2nlyf.cloud.esp.sdi",
        "vpcManagedAddress": "172.22.101.16",
        "vpcTransitAddress": "172.22.11.22",
                                                          "vpcInfraProfileLink":
"/provisioning/resources/network-profiles/fd62cb6b-6ffa-4e93-a9f7-794f0600efc9",
        "vpcManagedTier1Path": "/infra/tier-1s/80d09653-0a0b-4745-ad07-70714e378e9b",
        "vpcManagedRouterLink": "/resources/routers/f56f6e30-e989-468d-bb39-51852cd0cc9f",
        "vpcManagedSubnetLink": "/resources/sub-networks/3483d4a0-2a7c-4ebb-beda-126fc6b5c2be",
        "vpcTransitSubnetLink": "/resources/sub-networks/45a30f3e-9085-4886-9b22-556620b81437",
        "vpcDnsServerAddresses": "[\"172.21.1.2\", \"172.21.1.3\"]",
                                                          "vpcManagedGatewayLink":
"/provisioning/resources/compute-gateways/c1dcd41f-6fb6-4183-b842-494a9dea44a0",
                                                          "vpcManagedNetworkLink":
"/provisioning/resources/compute-networks/8a9a5768-90f7-4df1-9700-dfd11edb7027",
        "vpcManagedSegmentPath": "/infra/segments/5649b62f-d7f1-4926-8da6-fa428c891c2e",
        "vpcTransitSegmentPath": "/infra/segments/AZ1-SEG-TRANSIT",
                                                          "vpcManagedIpAddressLink":
```

    "/resources/ip-addresses/6a6bd90b-b1bd-4b3d-8af7-cc87c42e1990_172.22.101.16",
                                                                    "vpcTransitIpAddressLink":
    "/resources/ip-addresses/39f0fb43-6439-456c-ac7a-5a5d9b758179_172.22.11.22",
            "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
                                                                    "vpcManagedLoadBalancerLink":
    "/resources/load-balancers/4706fab8-ed96-4023-a9ff-620cf2b1afb7",
            "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
            "onDemandNetworkIPAssignmentType": "static"
        },
        "name": "vpy2nlyf-u4tkuujs",
        "description": "테스트 VPC 1",
        "id": "4454e27e-9066-4f01-a9c3-658aa53f6d08",
        "createdAt": "2025-03-02",
        "updatedAt": "2025-03-02",
        "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
        "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
        "_links": {
            "load-balancers": {
                "hrefs": [
                    "/iaas/api/load-balancers/4706fab8-ed96-4023-a9ff-620cf2b1afb7"
                ]
            },
            "fabric-networks": {
                "hrefs": [
                    "/iaas/api/fabric-networks/103a3bd6-92ff-4622-bb6d-cc5dd26b7c13",
                    "/iaas/api/fabric-networks/3483d4a0-2a7c-4ebb-beda-126fc6b5c2be"
                ]
            },
            "self": {
                "href": "/iaas/api/network-profiles/4454e27e-9066-4f01-a9c3-658aa53f6d08"
            },
            "isolated-external-fabric-networks": {
                "href": "/iaas/api/fabric-networks/c4548416-e572-496c-8349-a4e869647694"
            },
            "region": {
                "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
            },
            "network-domains": {
                "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
            }
        }
    },
    {
        "externalRegionId": "Datacenter:datacenter-3",
        "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
        "isolationType": "SUBNET",
        "isolationNetworkDomainCIDR": "172.22.0.0/16",
        "isolatedNetworkCIDRPrefix": 24,
        "tags": [
            {
                "key": "vpcId",
                "value": "7ae3df5a-bc49-490d-9e75-a22a727a5b3f"
            }
        ],
        "customProperties": {
            "datacenterId": "Datacenter:datacenter-3",
            "vpcProjectId": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
            "vpcRouterName": "vpy2nlyf-hpfszi5b",
            "vpcProjectName": "vpy2nlyf",
            "vpcProjectDomain": "vpy2nlyf.cloud.esp.sdi",
            "vpcManagedAddress": "172.22.101.17",
            "vpcTransitAddress": "172.22.11.23",
                                                                    "vpcInfraProfileLink":
    "/provisioning/resources/network-profiles/fd62cb6b-6ffa-4e93-a9f7-794f0600efc9",

```
          "vpcManagedTier1Path": "/infra/tier-1s/660f6226-3e30-4296-8e27-9f56f2e2c1cb",
          "vpcManagedRouterLink": "/resources/routers/1b62d59c-f917-498a-b6a8-815f9dfb3249",
          "vpcManagedSubnetLink": "/resources/sub-networks/b84ee6bb-791a-4b5c-b88d-10e98ef10b56",
          "vpcTransitSubnetLink": "/resources/sub-networks/45a30f3e-9085-4886-9b22-556620b81437",
          "vpcDnsServerAddresses": "[\"172.21.1.2\", \"172.21.1.3\"]",
                                                            "vpcManagedGatewayLink":
"/provisioning/resources/compute-gateways/390f27a8-4998-43b7-a6dc-bfbee586612a",
                                                            "vpcManagedNetworkLink":
"/provisioning/resources/compute-networks/e734c565-53d4-441d-bbc3-080a425ca6d4",
          "vpcManagedSegmentPath": "/infra/segments/0c5ecae7-aba8-4583-a65a-e61e27687360",
          "vpcTransitSegmentPath": "/infra/segments/AZ1-SEG-TRANSIT",
                                                            "vpcManagedIpAddressLink":
"/resources/ip-addresses/6a6bd90b-b1bd-4b3d-8af7-cc87c42e1990_172.22.101.17",
                                                            "vpcTransitIpAddressLink":
"/resources/ip-addresses/39f0fb43-6439-456c-ac7a-5a5d9b758179_172.22.11.23",
          "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
                                                            "vpcManagedLoadBalancerLink":
"/resources/load-balancers/3ae1e8c2-e28f-422d-bbf5-689a259e2d42",
          "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
          "onDemandNetworkIPAssignmentType": "static"
      },
      "name": "vpy2nlyf-hpfszi5b",
      "description": "테스트 VPC 2",
      "id": "7ae3df5a-bc49-490d-9e75-a22a727a5b3f",
      "createdAt": "2025-03-02",
      "updatedAt": "2025-03-02",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "load-balancers": {
          "hrefs": [
            "/iaas/api/load-balancers/3ae1e8c2-e28f-422d-bbf5-689a259e2d42"
          ]
        },
        "fabric-networks": {
          "hrefs": [
            "/iaas/api/fabric-networks/b84ee6bb-791a-4b5c-b88d-10e98ef10b56",
            "/iaas/api/fabric-networks/cfc36bd8-e8af-4c99-a3ad-9908a12e838e"
          ]
        },
        "self": {
          "href": "/iaas/api/network-profiles/7ae3df5a-bc49-490d-9e75-a22a727a5b3f"
        },
        "isolated-external-fabric-networks": {
          "href": "/iaas/api/fabric-networks/c4548416-e572-496c-8349-a4e869647694"
        },
        "region": {
          "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        },
        "network-domains": {
          "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        }
      }
    },
    {
      "externalRegionId": "Datacenter:datacenter-3",
      "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
      "isolationType": "SUBNET",
      "isolationNetworkDomainCIDR": "172.23.0.0/16",
      "isolatedNetworkCIDRPrefix": 24,
      "tags": [
        {
          "key": "vpcInfraId",
          "value": "ecs-az1-public"
```
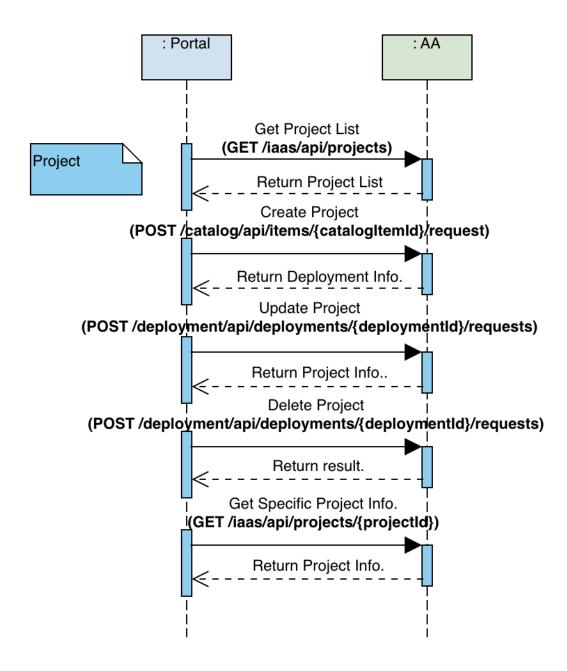
```
      }
    ],
    "customProperties": {
      "datacenterId": "Datacenter:datacenter-3",
      "edgeClusterRouterStateLink": "/resources/routers/78d0c2a9-e540-473d-9007-109f72461d76",
      "tier0LogicalRouterStateLink": "/resources/routers/5056e58c-7c77-485d-925b-ecdf936700c6",
      "onDemandNetworkIPAssignmentType": "static"
    },
    "name": "ECS-AZ`1-PUBLIC",
    "description": "ECS-AZ1 외부망",
    "id": "9b69d00c-1ff9-4305-9a44-e2568b5be470",
    "createdAt": "2025-01-19",
    "updatedAt": "2025-01-19",
    "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
    "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
    "_links": {
      "fabric-networks": {
        "hrefs": [
          "/iaas/api/fabric-networks/45a30f3e-9085-4886-9b22-556620b81437"
        ]
      },
      "self": {
        "href": "/iaas/api/network-profiles/9b69d00c-1ff9-4305-9a44-e2568b5be470"
      },
      "isolated-external-fabric-networks": {
        "href": "/iaas/api/fabric-networks/bae5ced4-451f-4108-89e6-cbe057b15fe8"
      },
      "region": {
        "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
      },
      "network-domains": {
        "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
      }
    }
  },
  {
    "externalRegionId": "Datacenter:datacenter-3",
    "cloudAccountId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
    "isolationType": "SUBNET",
    "isolationNetworkDomainCIDR": "172.22.0.0/16",
    "isolatedNetworkCIDRPrefix": 24,
    "tags": [
      {
        "key": "vpcInfraId",
        "value": "ecs-az1-private"
      }
    ],
    "customProperties": {
      "datacenterId": "Datacenter:datacenter-3",
      "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
      "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
      "onDemandNetworkIPAssignmentType": "static"
    },
    "name": "ECS-AZ1-PRIVATE",
    "description": "ECS-AZ1 내부망",
    "id": "fd62cb6b-6ffa-4e93-a9f7-794f0600efc9",
    "createdAt": "2025-01-18",
    "updatedAt": "2025-01-19",
    "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
    "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
    "_links": {
      "fabric-networks": {
        "hrefs": [
          "/iaas/api/fabric-networks/45a30f3e-9085-4886-9b22-556620b81437"
```

```
            ]
        },
        "self": {
            "href": "/iaas/api/network-profiles/fd62cb6b-6ffa-4e93-a9f7-794f0600efc9"
        },
        "isolated-external-fabric-networks": {
            "href": "/iaas/api/fabric-networks/c4548416-e572-496c-8349-a4e869647694"
        },
        "region": {
            "href": "/iaas/api/regions/44512efc-f03a-4bc6-8612-923ab68fb297"
        },
        "network-domains": {
            "href": "/iaas/api/network-domains/5f97a4f8-2f24-498c-8c65-a180adb3a640"
        }
      }
    }
  ],
  "totalElements": 4,
  "numberOfElements": 4
}
```

3.10.3. Response codes

- ■ Normal: OK (200)

- ■ Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

4. Project Management

4.1. Project List Query

This operation is to query the project list.

URI	Method	Description
/iaas/api/projects	GET	Get all project lists.

4.1.1.   Request

■   URI parameters

Name	Required	Type	Description
N/A			

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1diiwiYXpwIjoicHJlbHVkZS1sc2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI4OTYtMDI5YTBkN2Y5M2NmiiwiZG9tYWluIjoicHVbGFsLmxvY2Fsiiwid
XNlcm5hbWUiOiJtaHl1bnNvbiLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyiiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04Ym3zLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJhdGl1bnNvbsifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

4.1.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of project
id	1	String	Project ID
name	1	String	Project name
description	1	String	Description
administrators	1..N	Object	Array of administrators
email	1	String	user email
type	1	String	user type
members	1..N	Object	Array of members
email	1	String	user email

type	1	String	user type
viewers	1..N	Object	Array of viewers
email	1	String	user email
type	1	String	user type
supervisors	0..N	Object	Array of supervisors
email	1	String	user email
type	1	String	user type
zones	1..N	Object	Array of zones
id	1	String	
zoneId	1	String	
priority	1	Integer	
maxNumberInstances	1	Integer	
allocatedInstancesCount	1	Integer	
memoryLimitMB	1	Integer	
cpuLimit	1	Integer	
allocatedCpu	1	Integer	
storageLimitGB	1	Integer	
allocatedStorageGB	1	Integer	
constraints	0..N	Object	Array of constraints
network	1..N	Object	Array of networks
mandatory	1	Boolean	
expression	1	String	
operationTimeout	0..1	Integer	
machineNamingTemplate	0..1	String	
sharedResources	1	Boolean	
placementPolicy	0..1	String	
customProperties	0..1	Object	The object of the custom properties
orgId	1	String	
organizationId	1	String	
_links	1	Object	
self	1	Object	
href	1	String	URI for this resource
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■　JSON Response

```
{
  "content": [
    {
      "administrators": [
        {
          "email": "hc.jang",
          "type": "user"
        }
      ],
      "members": [
```

```
          {
            "email": "carl",
            "type": "user"
          },
          {
            "email": "linyong",
            "type": "user"
          },
          {
            "email": "sophia",
            "type": "user"
          }
      ],
      "viewers": [],
      "supervisors": [],
      "zones": [
          {
            "zoneId": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
            "priority": 0,
            "maxNumberInstances": 0,
            "allocatedInstancesCount": 2,
            "memoryLimitMB": 0,
            "allocatedMemoryMB": 4096,
            "cpuLimit": 0,
            "allocatedCpu": 2,
            "storageLimitGB": 0,
            "allocatedStorageGB": 100.0,
            "id": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14-65268d0b-88b6-450d-8cfe-0824d8ec257a"
          }
      ],
      "sharedResources": true,
      "placementPolicy": "DEFAULT",
      "customProperties": {},
      "name": "vpy2nlyf",
      "description": "테스트 프로젝트 1",
      "id": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
          "self": {
            "href": "/iaas/api/projects/1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14"
          }
      }
    },
    {
      "administrators": [
          {
            "email": "carl",
            "type": "user"
          }
      ],
      "members": [
          {
            "email": "hc.jang",
            "type": "user"
          }
      ],
      "viewers": [],
      "supervisors": [],
      "zones": [
          {
            "zoneId": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
            "priority": 0,
            "maxNumberInstances": 0,
```

```
          "allocatedInstancesCount": 0,
          "memoryLimitMB": 0,
          "allocatedMemoryMB": 0,
          "cpuLimit": 0,
          "allocatedCpu": 0,
          "storageLimitGB": 0,
          "allocatedStorageGB": 0.0,
          "id": "3142f41a-4e16-40ac-ab21-694f17fbeffc-65268d0b-88b6-450d-8cfe-0824d8ec257a"
        }
      ],
      "sharedResources": true,
      "placementPolicy": "DEFAULT",
      "customProperties": {},
      "name": "xwit9z57",
      "description": "Test 프로젝트",
      "id": "3142f41a-4e16-40ac-ab21-694f17fbeffc",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "self": {
          "href": "/iaas/api/projects/3142f41a-4e16-40ac-ab21-694f17fbeffc"
        }
      }
    },
    {
      "administrators": [],
      "members": [],
      "viewers": [],
      "supervisors": [],
      "zones": [
        {
          "zoneId": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
          "priority": 0,
          "maxNumberInstances": 0,
          "allocatedInstancesCount": 6,
          "memoryLimitMB": 0,
          "allocatedMemoryMB": 11264,
          "cpuLimit": 0,
          "allocatedCpu": 6,
          "storageLimitGB": 0,
          "allocatedStorageGB": 300.0,
          "id": "aa0ba574-aec3-4c69-88d0-6bbb1964e8ae-65268d0b-88b6-450d-8cfe-0824d8ec257a"
        }
      ],
      "constraints": {},
      "operationTimeout": 0,
      "sharedResources": true,
      "placementPolicy": "DEFAULT",
      "customProperties": {},
      "name": "admin",
      "description": "",
      "id": "aa0ba574-aec3-4c69-88d0-6bbb1964e8ae",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "self": {
          "href": "/iaas/api/projects/aa0ba574-aec3-4c69-88d0-6bbb1964e8ae"
        }
      }
    },
    {
      "administrators": [],
      "members": [
        {
```

```
          "email": "carl",
          "type": "user"
        },
        {
          "email": "hc.jang",
          "type": "user"
        },
        {
          "email": "linyong",
          "type": "user"
        },
        {
          "email": "sophia",
          "type": "user"
        }
      ],
      "viewers": [],
      "supervisors": [],
      "zones": [],
      "constraints": {},
      "operationTimeout": 0,
      "sharedResources": false,
      "placementPolicy": "DEFAULT",
      "customProperties": {},
      "name": "project",
      "description": "프로젝트 관리",
      "id": "d90b7cd8-43a7-4d3b-af4d-0a081de75d99",
      "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "_links": {
        "self": {
          "href": "/iaas/api/projects/d90b7cd8-43a7-4d3b-af4d-0a081de75d99"
        }
      }
    }
  ],
  "totalElements": 4,
  "numberOfElements": 4
}
```

4.1.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

4.2.   Specific Project Query

This operation is to query a specific project resource information.

URI	Method	Description
/iaas/api/projects/{project_id}	GET	Get specific project information.

4.2.1.   Request

■   URI parameters

Name	Required	Type	Description
project_id	YES	String	UUID for project

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIub3JjYW6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bnNvbiLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVtdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmY4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjd3QiOiJtaHl1bnNvbiJ9.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpleY-dTi2hHRd-Cbmlwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

4.2.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
id	1	String	Project ID
name	1	String	Project name
description	1	String	Description
administrators	1..N	Object	Array of administrators
email	1	String	user email
type	1	String	user type
members	1..N	Object	Array of members
email	1	String	user email
type	1	String	user type
viewers	1..N	Object	Array of viewers

email	1	String	user email
type	1	String	user type
supervisors	0..N	Object	Array of supervisors
email	1	String	user email
type	1	String	user type
zones	1..N	Object	Array of zones
id	1	String	ID
zoneId	1	String	Availability Zone ID
priority	1	Integer	
maxNumberInstances	1	Integer	
allocatedInstancesCount	1	Integer	
memoryLimitMB	1	Integer	
cpuLimit	1	Integer	
allocatedCpu	1	Integer	
storageLimitGB	1	Integer	
allocatedStorageGB	1	Integer	
constraints	0..N	Object	Array of constraints
network	1..N	Object	Array of networks
mandatory	1	Boolean	If mandatory is true, constraint sets are hard and if mandatory is false, constraint sets are soft.
expression	1	String	Tag value
operationTimeout	0..1	Integer	
machineNamingTemplate	0..1	String	
sharedResources	1	Boolean	
placementPolicy	0..1	String	
customProperties	0..1	Object	The object of the custom properties
orgId	1	String	
organizationId	1	String	
_links	1	Object	
self	1	Object	
href	1	String	URI for this resource

■   JSON Response

```
{
  "administrators": [
    {
      "email": "hc.jang",
      "type": "user"
    }
  ],
  "members": [
    {
      "email": "carl",
      "type": "user"
    },
    {
      "email": "linyong",
```

```
      "type": "user"
    },
    {
      "email": "sophia",
      "type": "user"
    }
  ],
  "viewers": [],
  "supervisors": [],
  "zones": [
    {
      "zoneId": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
      "priority": 0,
      "maxNumberInstances": 0,
      "allocatedInstancesCount": 2,
      "memoryLimitMB": 0,
      "allocatedMemoryMB": 4096,
      "cpuLimit": 0,
      "allocatedCpu": 2,
      "storageLimitGB": 0,
      "allocatedStorageGB": 100.0,
      "id": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14-65268d0b-88b6-450d-8cfe-0824d8ec257a"
    }
  ],
  "sharedResources": true,
  "placementPolicy": "DEFAULT",
  "customProperties": {},
  "name": "vpy2nlyf",
  "description": "테스트 프로젝트 1",
  "id": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
  "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "_links": {
    "self": {
      "href": "/iaas/api/projects/1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14"
    }
  }
}
```

4.2.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

4.3.   Create Project

This operation is to create a project for a specific organization.

URI	Method	Description
/iaas/api/projects	POST	Create a project for a specific organization.

4.3.1.   Request

- URI parameters

Name	Required	Type	Description
N/A			

■ Request parameters

Name	Required	Type	Description
name	YES	String	Project name
description	NO	String	Description
administrators	NO	Object	Array of administrators
email	NO	String	user email
type	NO	String	user type
members	NO	Object	Array of members
email	NO	String	user email
type	NO	String	user type
viewers	NO	Object	Array of viewers
email	NO	String	user email
type	NO	String	user type
supervisors	NO	Object	Array of supervisors
email	NO	String	user email
type	NO	String	user type
zoneAssignmentConfigurations	NO	Object	Array of zones
zoneId	NO	String	Availability Zone ID
priority	NO	Integer	
maxNumberInstances	NO	Integer	
allocatedInstancesCount	NO	Integer	
memoryLimitMB	NO	Integer	
cpuLimit	NO	Integer	
allocatedCpu	NO	Integer	
storageLimitGB	NO	Integer	
allocatedStorageGB	NO	Integer	
constraints	NO	Object	Array of constraints
network	NO	Object	Array of networks
mandatory	NO	Boolean	If mandatory is true, constraint sets are hard and if mandatory is false, constraint sets are soft.
expression	NO	String	Tag value
operationTimeout	NO	Integer	
machineNamingTemplate	NO	String	
sharedResources	NO	Boolean	
placementPolicy	NO	String	
customProperties	NO	Object	The object of the custom properties
organizationId	NO	String	

■ JSON Request

```json
{
  "administrators": [
    {
      "email": "sophia",
      "type": "user"
    }
  ],
  "members": [
    {
      "email": "sophia",
      "type": "user"
    }
  ],
  "viewers": [],
  "supervisors": [],
  "zoneAssignmentConfigurations" : [
    {
      "zoneId" : "65268d0b-88b6-450d-8cfe-0824d8ec257a",
      "priority": 1,
      "maxNumberInstances": 50
    }
  ],
  "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "name": "test project"
}
```

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQziiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWllubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bnNvbiIsLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsbHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFiYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHl1bnNvbiJ9.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

4.3.2. Response

■ Response parameters

Name	Cardinality	Type	Description
id	1	String	Project ID
name	1	String	Project name
description	1	String	Description
administrators	1..N	Object	Array of administrators
email	1	String	user email
type	1	String	user type
members	1..N	Object	Array of members
email	1	String	user email
type	1	String	user type
viewers	1..N	Object	Array of viewers
email	1	String	user email
type	1	String	user type
supervisors	0..N	Object	Array of supervisors
email	1	String	user email
type	1	String	user type
zones	1..N	Object	Array of zones
id	1	String	ID
zoneId	1	String	Availability Zone ID
priority	1	Integer	
maxNumberInstances	1	Integer	
allocatedInstancesCount	1	Integer	
memoryLimitMB	1	Integer	
cpuLimit	1	Integer	
allocatedCpu	1	Integer	
storageLimitGB	1	Integer	
allocatedStorageGB	1	Integer	
constraints	0..N	Object	Array of constraints
network	1..N	Object	Array of networks
mandatory	1	Boolean	If mandatory is true, constraint sets are hard and if mandatory is false, constraint sets are soft.
expression	1	String	Tag value
operationTimeout	0..1	Integer	
machineNamingTemplate	0..1	String	
sharedResources	1	Boolean	
placementPolicy	0..1	String	
customProperties	0..1	Object	The object of the custom properties
orgId	1	String	
organizationId	1	String	

_links	1	Object	
self	1	Object	
href	1	String	URI for this resource

- JSON Response

```
{
  "administrators": [
    {
      "email": "sophia",
      "type": "user"
    }
  ],
  "members": [
    {
      "email": "sophia",
      "type": "user"
    }
  ],
  "viewers": [],
  "supervisors": [],
  "zones": [
    {
      "zoneId": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
      "priority": 1,
      "maxNumberInstances": 50,
      "allocatedInstancesCount": 0,
      "memoryLimitMB": 0,
      "allocatedMemoryMB": 0,
      "cpuLimit": 0,
      "allocatedCpu": 0,
      "storageLimitGB": 0,
      "allocatedStorageGB": 0.0,
      "id": "7626ac7e-9f97-4477-870b-f75e99be280b-65268d0b-88b6-450d-8cfe-0824d8ec257a"
    }
  ],
  "sharedResources": true,
  "name": "test",
  "id": "7626ac7e-9f97-4477-870b-f75e99be280b",
  "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "_links": {
    "self": {
      "href": "/iaas/api/projects/7626ac7e-9f97-4477-870b-f75e99be280b"
    }
  }
}
```

4.3.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

4.4. Update Project

This operation is to update a project for a specific organization.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/requests	POST	Update project for specific organization.

4.4.1. Request

■ URI parameters

Name	Required	Type	Description
deployment_id	Yes	String	UUID for deployment

■ Request parameters

Name	Required	Type	Description
name	NO	String	Project name
description	NO	String	Description
administrators	NO	Object	Array of administrators
email	NO	String	user email
type	NO	String	user type
members	NO	Object	Array of members
email	NO	String	user email
type	NO	String	user type
viewers	NO	Object	Array of viewers
email	NO	String	user email
type	NO	String	user type
supervisors	NO	Object	Array of supervisors
email	NO	String	user email
type	NO	String	user type
zoneAssignmentConfigurations	NO	Object	Array of zones
zoneId	NO	String	Availability Zone ID
priority	NO	Integer	
maxNumberInstances	NO	Integer	
allocatedInstancesCount	NO	Integer	
memoryLimitMB	NO	Integer	
cpuLimit	NO	Integer	
allocatedCpu	NO	Integer	
storageLimitGB	NO	Integer	
allocatedStorageGB	NO	Integer	
constraints	NO	Object	Array of constraints

network	NO	Object	Array of networks
mandatory	NO	Boolean	If mandatory is true, constraint sets are hard and if mandatory is false, constraint sets are soft.
expression	NO	String	Tag value
operationTimeout	NO	Integer	
machineNamingTemplate	NO	String	
sharedResources	NO	Boolean	
placementPolicy	NO	String	
customProperties	NO	Object	The object of the custom properties
organizationId	NO	String	

■   JSON Request

```
{
  "members": [
    {
      "email": "sophia",
      "type": "user"
    },
    {
      "email": "carl",
      "type": "user"
    }
  ],
  "name": "test project for POC"
}
```

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQiOjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNU4Mi00OTE2LWFkM2QtMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuMDphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaWRcIjoxNX1dIiwiYXVwIjoicHJlbHVkZS1zZXJ2LU04QmxteHVvcmkiLCJzdWIiOiJwc29sYWludG9jYWw6MmY3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpbmxvY2FsIiwidXNlcm5hbWUiOiJtaGl0bnNvbiIsLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0NWQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb6YWRtaW4iLCJleHRlcm5hbC82YmQzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJuYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRvbWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE4ZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaGl0bnNvbiJ9.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-Cbmlwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

4.4.2. Response

■   Response parameters

Name	Cardinality	Type	Description
id	1	String	Project ID
name	1	String	Project name
description	1	String	Description
administrators	1..N	Object	Array of administrators
email	1	String	user email
type	1	String	user type
members	1..N	Object	Array of members
email	1	String	user email
type	1	String	user type
viewers	1..N	Object	Array of viewers
email	1	String	user email
type	1	String	user type
supervisors	0..N	Object	Array of supervisors
email	1	String	user email
type	1	String	user type
zones	1..N	Object	Array of zones
id	1	String	ID
zoneId	1	String	Availability Zone ID
priority	1	Integer	
maxNumberInstances	1	Integer	
allocatedInstancesCount	1	Integer	
memoryLimitMB	1	Integer	
cpuLimit	1	Integer	
allocatedCpu	1	Integer	
storageLimitGB	1	Integer	
allocatedStorageGB	1	Integer	
constraints	0..N	Object	Array of constraints
network	1..N	Object	Array of networks
mandatory	1	Boolean	If mandatory is true, constraint sets are hard and if mandatory is false, constraint sets are soft.
expression	1	String	Tag value
operationTimeout	0..1	Integer	
machineNamingTemplate	0..1	String	
sharedResources	1	Boolean	
placementPolicy	0..1	String	
customProperties	0..1	Object	The object of the custom properties
orgId	1	String	

organizationId	1	String	
_links	1	Object	
self	1	Object	
href	1	String	URI for this resource

- JSON Response

```
{
  "administrators": [
    {
      "email": "sophia",
      "type": "user"
    }
  ],
  "members": [
    {
      "email": "sophia",
      "type": "user"
    },
    {
      "email": "carl",
      "type": "user"
    }
  ],
  "viewers": [],
  "supervisors": [],
  "zones": [
    {
      "zoneId": "65268d0b-88b6-450d-8cfe-0824d8ec257a",
      "priority": 1,
      "maxNumberInstances": 50,
      "allocatedInstancesCount": 0,
      "memoryLimitMB": 0,
      "allocatedMemoryMB": 0,
      "cpuLimit": 0,
      "allocatedCpu": 0,
      "storageLimitGB": 0,
      "allocatedStorageGB": 0.0,
      "id": "7626ac7e-9f97-4477-870b-f75e99be280b-65268d0b-88b6-450d-8cfe-0824d8ec257a"
    }
  ],
  "sharedResources": true,
  "name": "test project for POC",
  "id": "7626ac7e-9f97-4477-870b-f75e99be280b",
  "organizationId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "_links": {
    "self": {
      "href": "/iaas/api/projects/7626ac7e-9f97-4477-870b-f75e99be280b"
    }
  }
}
```

4.4.3. Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

4.5.   Delete Project

This operation is to delete specific project information.

URI	Method	Description
/iaas/api/projects/{project_id}	DELETE	Delete a specific project information.

4.5.1.   Request

■   URI parameters

Name	Required	Type	Description
project_id	YES	String	UUID for project

■   Request parameters

Name	Required	Type	Description
N/A			

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzczVzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWludbG9jYWw6MmY
3MWMxZTgtOTAxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHlbnNvbiIsIJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODRkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5ZmZkLWFiYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHlbnNvbi2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

4.5.2. Response

■   Response parameters

Name	Cardinality	Type	Description
N/A			

4.5.3. Response codes

■   Normal: No Content (204)

■   Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

5. Catalog Management

5.1. Catalog List Query for Specific Project

This operation is to query the catalog list.

URI	Method	Description
/catalog/api/items?projectId={project_id}	GET	Get all catalog lists.

5.1.1. Request

■   URI parameters

Name	Required	Type	Description
project_id	NO	String	UUID for project

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y2jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZSIsc2VyLU04QmxteHVVCcmkiLCJzdWIiOiJwc29sYWIub3JjYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHI1bnNvbiLCJwZEtrcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04Ym16LWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHI1bnNvbsifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
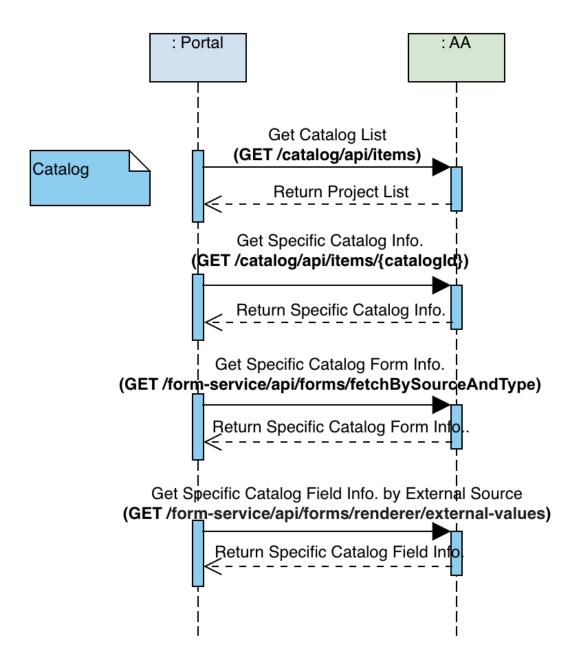eKaWoQgykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

5.1.2. Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of catalog
id	1	String	Catalog ID
name	1	String	Catalog name
description	1	String	Description
type	1..N	Object	Array of catalog
id	1	String	"com.vmw.blueprint"
link	1	String	"/catalog/api/types/com.vmw.blueprint"
name	1	String	"VMware Aria Automation Templates"
projects	1..N	Object	Array of project

< value >	1	String	UUID for project
createdAt	1	String	Created time
createdBy	1	String	Creator
lastUpdatedAt	1	String	Last updated time
lastUpdatedBy	1	String	Last updater
iconId	1	String	Icon ID
bulkRequestLimit	1	Integer	
pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■   JSON Response

```
{
  "content": [
    {
      "id": "5ee289e1-8c59-3b2c-906f-c0f02df386a4",
      "name": "Block Disk",
      "description": "",
      "type": {
```

```
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
    },
    "projectIds": [
        "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "3142f41a-4e16-40ac-ab21-694f17fbeffc"
    ],
    "createdAt": "2025-01-19T10:40:11.638768Z",
    "createdBy": "admin",
    "lastUpdatedAt": "2025-02-25T18:30:14.293775Z",
    "lastUpdatedBy": "system-user",
    "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
    "bulkRequestLimit": 1
},
{
    "id": "3ed76648-31e5-3ddc-953f-b40997749157",
    "name": "Network File System",
    "description": "",
    "type": {
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
    },
    "projectIds": [
        "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "3142f41a-4e16-40ac-ab21-694f17fbeffc"
    ],
    "createdAt": "2025-02-19T07:38:45.985252Z",
    "createdBy": "admin",
    "lastUpdatedAt": "2025-02-25T18:30:14.345688Z",
    "lastUpdatedBy": "system-user",
    "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
    "bulkRequestLimit": 1
},
{
    "id": "ad177df6-886f-39ee-9a5a-2245ebdf2957",
    "name": "Distributed Firewall",
    "description": "",
    "type": {
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
    },
    "projectIds": [
        "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "3142f41a-4e16-40ac-ab21-694f17fbeffc"
    ],
    "createdAt": "2025-02-04T06:09:46.064786Z",
    "createdBy": "admin",
    "lastUpdatedAt": "2025-02-25T18:30:14.380517Z",
    "lastUpdatedBy": "system-user",
    "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
    "bulkRequestLimit": 1
},
{
```

```json
    "id": "2d9242ac-179f-3816-9df9-b6665913db2e",
    "name": "Virtual Machine",
    "description": "",
    "type": {
      "id": "com.vmw.blueprint",
      "link": "/catalog/api/types/com.vmw.blueprint",
      "name": "VMware Aria Automation Templates"
    },
    "projectIds": [
      "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
      "3142f41a-4e16-40ac-ab21-694f17fbeffc"
    ],
    "createdAt": "2025-02-11T04:42:09.447779Z",
    "createdBy": "admin",
    "lastUpdatedAt": "2025-02-25T18:30:14.425964Z",
    "lastUpdatedBy": "system-user",
    "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
    "bulkRequestLimit": 1
  },
  {
    "id": "fe4aaeae-d574-3c8b-be80-adf95b15c7e2",
    "name": "Access IP",
    "description": "",
    "type": {
      "id": "com.vmw.blueprint",
      "link": "/catalog/api/types/com.vmw.blueprint",
      "name": "VMware Aria Automation Templates"
    },
    "projectIds": [
      "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
      "3142f41a-4e16-40ac-ab21-694f17fbeffc"
    ],
    "createdAt": "2025-01-19T10:40:11.707249Z",
    "createdBy": "admin",
    "lastUpdatedAt": "2025-02-25T18:30:14.463303Z",
    "lastUpdatedBy": "system-user",
    "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
    "bulkRequestLimit": 1
  },
  {
    "id": "dbfdeb75-9fd5-3348-9c69-9f6a0e14211c",
    "name": "Segment",
    "description": "",
    "type": {
      "id": "com.vmw.blueprint",
      "link": "/catalog/api/types/com.vmw.blueprint",
      "name": "VMware Aria Automation Templates"
    },
    "projectIds": [
      "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
      "3142f41a-4e16-40ac-ab21-694f17fbeffc"
    ],
    "createdAt": "2025-01-19T10:40:11.412859Z",
    "createdBy": "admin",
    "lastUpdatedAt": "2025-02-25T18:30:14.504865Z",
    "lastUpdatedBy": "system-user",
```

```json
      "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
      "bulkRequestLimit": 1
    },
    {
      "id": "6624cc32-46a1-348c-964c-4f2f1838469f",
      "name": "Virtual Private Cloud",
      "description": "",
      "type": {
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
      },
      "projectIds": [
        "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "3142f41a-4e16-40ac-ab21-694f17fbeffc"
      ],
      "createdAt": "2025-01-19T10:40:11.230240Z",
      "createdBy": "admin",
      "lastUpdatedAt": "2025-02-25T18:30:14.555688Z",
      "lastUpdatedBy": "system-user",
      "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
      "bulkRequestLimit": 1
    },
    {
      "id": "740f66a3-c330-3952-8ed6-b73564ee30a6",
      "name": "Project",
      "description": "프로젝트 생성",
      "type": {
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
      },
      "projectIds": [
        "d90b7cd8-43a7-4d3b-af4d-0a081de75d99"
      ],
      "createdAt": "2025-01-19T10:40:11.568221Z",
      "createdBy": "admin",
      "lastUpdatedAt": "2025-02-25T18:30:14.601610Z",
      "lastUpdatedBy": "system-user",
      "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
      "bulkRequestLimit": 1
    },
    {
      "id": "47161c35-de92-3ead-a5f1-5bea8b731094",
      "name": "Load Balancer",
      "description": "",
      "type": {
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
      },
      "projectIds": [
        "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "3142f41a-4e16-40ac-ab21-694f17fbeffc"
      ],
      "createdAt": "2025-02-04T06:08:50.972405Z",
```

```
      "createdBy": "admin",
      "lastUpdatedAt": "2025-02-25T18:30:14.642494Z",
      "lastUpdatedBy": "system-user",
      "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
      "bulkRequestLimit": 1
    },
    {
      "id": "2c5df8b6-fd8e-349b-8ee0-eaed77e53866",
      "name": "Segment Peering",
      "description": "",
      "type": {
        "id": "com.vmw.blueprint",
        "link": "/catalog/api/types/com.vmw.blueprint",
        "name": "VMware Aria Automation Templates"
      },
      "projectIds": [
        "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "3142f41a-4e16-40ac-ab21-694f17fbeffc"
      ],
      "createdAt": "2025-01-19T10:40:11.503943Z",
      "createdBy": "admin",
      "lastUpdatedAt": "2025-02-25T18:30:14.676144Z",
      "lastUpdatedBy": "system-user",
      "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
      "bulkRequestLimit": 1
    }
  ],
  "pageable": {
    "pageNumber": 0,
    "pageSize": 20,
    "sort": {
      "empty": true,
      "sorted": false,
      "unsorted": true
    },
    "offset": 0,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 10,
  "totalPages": 1,
  "last": true,
  "size": 20,
  "number": 0,
  "sort": {
    "empty": true,
    "sorted": false,
    "unsorted": true
  },
  "numberOfElements": 10,
  "first": true,
  "empty": false
}
```

5.1.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

5.2.   Specific Catalog Query

This operation is to query a specific catalog resource information.

URI	Method	Description
/catalog/api/items/{catalog_id}	GET	Get specific catalog information.

5.2.1.   Request

- URI parameters

Name	Required	Type	Description
catalog_id	YES	String	UUID for catalog

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRrIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIuubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bn02siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHl1bnNvbiJ9.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

5.2.2. Response

- Response parameters

Name	Cardinality	Type	Description
id	1	String	Catalog ID
name	1	String	Catalog name
description	1	String	Description
type	1..N	Object	Array of catalog
id	1	String	"com.vmw.blueprint"
link	1	String	"/catalog/api/types/com.vmw.blueprint"
name	1	String	"VMware Aria Automation Templates"
projects	1..N	Object	Array of project
< value >	1	String	Project ID
schema	1	Object	Object for catalog schema information
type	1	String	
encrypted	1	Boolean	
properties	1	Object	The object of the properties
< value >	1	Object	Field Name in catalog template
type	1	String	Enum ["array","string","number","boolean"]
encrypted	1	Boolean	
title	1	String	
description	0..1	String	
items	1..N	Object	If <value>'s type is "array",
type	1	String	
encrypted	1	Boolean	
title	1	String	
default	1	Array	If <value>'s type is "array",
< value >	0	String	
oneOf	0..1	Array	If <value>'s type is "string",
encrypted	1	Boolean	
title	1	String	
const	1	String	
readOnly	0..1	Boolean	If <value>'s type is "string",
default	1	String	If <value>'s type is "string",
default	1	Boolean	If <value>'s type is "boolean",
default	1	Integer	If <value>'s type is "number",
required	0..N	Array	Array for required field
< value >	1	String	Field Name in catalog template
createdAt	1	String	Created time
createdBy	1	String	Creator
lastUpdatedAt	1	String	Last updated time
lastUpdatedBy	1	String	Last updater

iconId	1	String	Icon ID	
bulkRequestLimit	1	Integer		
formId	1	String		
externalId	1	String		

■ JSON Response

```json
{
  "id": "2d9242ac-179f-3816-9df9-b6665913db2e",
  "name": "Virtual Machine",
  "description": "",
  "type": {
    "id": "com.vmw.blueprint",
    "link": "/catalog/api/types/com.vmw.blueprint",
    "name": "VMware Aria Automation Templates"
  },
  "projectIds": [
    "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
    "3142f41a-4e16-40ac-ab21-694f17fbeffc"
  ],
  "createdAt": "2025-02-11T04:42:09.447779Z",
  "createdBy": "admin",
  "lastUpdatedAt": "2025-02-25T18:30:14.425964Z",
  "lastUpdatedBy": "system-user",
  "schema": {
    "type": "object",
    "encrypted": false,
    "properties": {
      "vpc": {
        "type": "string",
        "encrypted": false,
        "title": "VPC",
        "$data": "/data/vro-actions/com.bvp.bp.vm/getVpcProfileLinksByProjectIdAndPlacementZoneLink?projectId={{_project_id}}&placementZoneLink={{placementZone}}"
      },
      "image": {
        "type": "string",
        "encrypted": false,
        "title": "OS Image",
        "$data": "/data/vro-actions/com.bvp.bp.vm/getImagesByPlacementZoneLink?placementZoneLink={{placementZone}}"
      },
      "flavor": {
        "type": "string",
        "encrypted": false,
        "title": "Flavor",
        "$data": "/data/vro-actions/com.bvp.bp.vm/getFlavorsByPlacementZoneLink?placementZoneLink={{placementZone}}"
      },
      "address": {
        "type": "string",
        "encrypted": false,
        "title": "IP Address",
        "$data": "/data/vro-actions/com.bvp.bp.vm/getIpAddressesBySubnetLink?subnetLink={{segment}}"
      },
      "compute": {
        "type": "string",
        "encrypted": false,
```

```
        "title": "Compute Type",
                                                                           "$data":
"/data/vro-actions/com.bvp.bp.vm/getComputeTagValuesByTagCategoryAndPlacementZoneLink?catego
ry={{_compute_tag_category}}&placementZoneLink={{placementZone}}",
                                                                    "$dynamicDefault":
"/data/vro-actions/com.bvp.bp.vm/getPlacementZoneTagValueByTagCategoryAndPlacementZoneLink?c
ategory={{_compute_tag_category}}&placementZoneLink={{placementZone}}"
      },
      "segment": {
        "type": "string",
        "encrypted": false,
        "title": "Segment",
        "$data": "/data/vro-actions/com.bvp.bp.vm/getVpcSubnetLinksByProfileLink?profileLink={{vpc}}"
      },
      "diskSize": {
        "type": "number",
        "encrypted": false,
        "title": "Additional Disk (GB)",
        "minimum": 0.0,
        "default": 0
      },
      "firewall": {
        "type": "string",
        "encrypted": false,
        "title": "Distributed Firewalls",
                                                                           "$data":
"/data/vro-actions/com.bvp.bp.vm/getFirewallTagValuesByTagCategoryAndProjectId?category={{_dfw_ta
g_category}}&projectId={{_project_id}}"
      },
      "hostName": {
        "type": "string",
        "encrypted": false,
        "title": "Host Name",
        "maxLength": 16,
        "minLength": 2,
        "pattern": "^[a-z][0-9a-z]+$"
      },
      "packages": {
        "type": "array",
        "encrypted": false,
        "title": "Software Packages",
        "items": {
          "type": "string",
          "encrypted": false
        },
        "default": []
      },
      "password": {
        "type": "string",
        "encrypted": true,
        "title": "Password"
      },
      "username": {
        "type": "string",
        "encrypted": false,
        "title": "Username"
      },
      "diskMount": {
        "type": "string",
        "encrypted": false,
        "title": "Mount",
        "default": "/data"
      },
      "_project_id": {
```

```
        "type": "string",
        "encrypted": false,
        "title": "Project ID",
        "default": "c2891803-2b94-447f-aca3-3daf6546e6ff"
      },
      "addressType": {
        "type": "string",
        "encrypted": false,
        "title": "IP Address Type",
        "oneOf": [
          {
            "encrypted": false,
            "title": "Variable",
            "const": "variable"
          },
          {
            "encrypted": false,
            "title": "Permanent",
            "const": "permanent"
          }
        ],
        "default": "variable"
      },
      "bootScripts": {
        "type": "string",
        "encrypted": false,
        "title": "Bootstrap Scripts",
        "default": ""
      },
      "displayName": {
        "type": "string",
        "encrypted": false,
        "title": "Display Name"
      },
      "_base_folder": {
        "type": "string",
        "encrypted": false,
        "title": "Base Folder",
        "default": "FD-CLOUD-VM"
      },
      "_sudoer_user": {
        "type": "boolean",
        "encrypted": false,
        "title": "Allow Sudoer",
        "default": false
      },
      "_project_name": {
        "type": "string",
        "encrypted": false,
        "title": "Project Name",
        "readOnly": true,
        "$dynamicDefault":
"/data/vro-actions/com.bvp.bp.vm/getProjectNameByProjectId?projectId={{_project_id}}"
      },
      "placementZone": {
        "type": "string",
        "encrypted": false,
        "title": "Availability Zone",
        "$data":
"/data/vro-actions/com.bvp.bp.vm/getPlacementZoneLinksByProjectId?projectId={{_project_id}}"
      },
      "_root_password": {
        "type": "string",
        "encrypted": true,
```

```
        "title": "Root Password",
        "default": "VMware1!"
      },
      "requestMessage": {
        "type": "string",
        "encrypted": false,
        "title": "Request Message"
      },
      "_admin_password": {
        "type": "string",
        "encrypted": true,
        "title": "Admin Password",
        "default": "DoItYourself1!"
      },
      "_admin_username": {
        "type": "string",
        "encrypted": false,
        "title": "Admin Username",
        "default": "cloody"
      },
      "_project_domain": {
        "type": "string",
        "encrypted": false,
        "title": "Project Domain",
        "readOnly": true,
        "$dynamicDefault": "/data/vro-actions/com.bvp.bp.vm/getVpcProjectDomainByProfileLink?profileLink={{vpc}}"
      },
      "diskPersistence": {
        "type": "boolean",
        "encrypted": false,
        "title": "Persistence",
        "default": false
      },
      "_package_upgrade": {
        "type": "boolean",
        "encrypted": false,
        "title": "Package Upgrade",
        "default": false
      },
      "_dfw_tag_category": {
        "type": "string",
        "encrypted": false,
        "title": "DFW Tag Category",
        "default": "dfwId"
      },
      "_metadata_catalog": {
        "type": "string",
        "encrypted": false,
        "title": "Metadata Catalog",
        "readOnly": true,
        "default": "VM"
      },
      "_metadata_category": {
        "type": "string",
        "encrypted": false,
        "title": "Metadata Category",
        "readOnly": true,
        "default": "VM"
      },
      "_root_password_new": {
        "type": "string",
        "encrypted": true,
        "title": "New Root Password",
```

```
                "readOnly": true,
                                                                              "$dynamicDefault":
"/data/vro-actions/com.bvp.bp.vm/getRandomString?type=lowerDigit&length=16"
      },
      "_segment_tag_value": {
        "type": "string",
        "encrypted": false,
        "title": "Segment Tag Value",
        "readOnly": true,
                                                                              "$dynamicDefault":
"/data/vro-actions/com.bvp.bp.vm/getSegmentTagValueByTagCategoryAndSubnetLink?category={{_seg
ment_tag_category}}&subnetLink={{segment}}"
      },
      "_metadata_available": {
        "type": "string",
        "encrypted": false,
        "title": "Metadata Available",
        "readOnly": true,
        "default": "bvp vpc member"
      },
      "_compute_tag_category": {
        "type": "string",
        "encrypted": false,
        "title": "Compute Tag Category",
        "default": "compute"
      },
      "_segment_tag_category": {
        "type": "string",
        "encrypted": false,
        "title": "Segment Tag Category",
        "default": "vpcSegId"
      },
      "_metadata_resource_type": {
        "type": "string",
        "encrypted": false,
        "title": "Metadata Resource Type",
        "readOnly": true,
        "default": "Cloud.vSphere.Machine"
      }
    },
    "required": [
      "requestMessage",
      "flavor",
      "hostName",
      "image",
      "password",
      "address",
      "firewall",
      "displayName",
      "segment",
      "vpc",
      "placementZone",
      "username"
    ]
  },
  "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
  "bulkRequestLimit": 1,
  "formId": "06f69654-1083-4665-839b-83fa311de58a",
  "externalId": "/blueprint/api/blueprints/4fbf5034-b65f-4a4a-b4ed-db13bb0925f9"
}
```

5.2.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

5.3.   Specific Catalog Form Query

This operation is to query a specific catalog form information.

URI	Method	Description
/form-service/api/forms/fetchBySourceAndType	GET	Get specific catalog form information.

5.3.1.   Request

- URI parameters

Name	Required	Type	Description
sourceType	YES	String	"com.vmk.blueprint"
sourceId	YES	String	Catalog ID
formType	YES	String	"requestForm"
formFormat	YES	String	Enum["YAML", "JSON"]

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJodHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQiOjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2QtMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MMOjIuMDphYzpjbGFzc3ZzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzE5MjEzNjAxLFwiaWRcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29yXWlubG9jYXw6MmY3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFmLmxvY2FsIiwidXNlcm5hbWUiOiJtdHlbbNvb5siLCJwZXJtcyI6WyJj3A6b3JnX293bmVyiiwiZXh0ZXJuYWwvYjQ3MTk0NWQtYzVhZC00Nzk3LWJjOTTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82YmQzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGevc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJuYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVUdHJlYW06YWRtaW5pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRvbWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFiYjAtNGY3OC1iMzBiLTA5Y2Y4NDdmYjk5Y9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE4ZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtdHl1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_

pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

5.3.2. Response

■   Response parameters

Name	Cardinality	Type	Description
id	1	String	Form ID
name	1	String	Catalog name
tenant	1	String	Tenant ID
form	1	String	Detail information of form
sourceType	1	String	"com.vmk.blueprint"
sourceId	1	String	Catalog ID
type	1	String	"requestForm"
status	1	String	Status of form. Enum ["ON", "OFF"]
formFormat	1	String	Enum ["YAML", "JSON"]

■   JSON Response

```
{
  "tenant": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "id": "2e47e630-9b6a-46fe-b299-2dcf49cea7af",
  "name": "Project",
  "form": "layout:\n  pages:\n  - id: \"page_general\"\n    title: \"_metadata_hidden\"\n    sections:\n    - id: \"section_887dfec9\"\n      fields:\n      - id: \"text_f792877b\"\n        display: \"text\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_80beac7b\"\n      fields:\n      - id: \"_admin_project_name\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_24314b7c\"\n      fields:\n      - id: \"_catalogs\"\n        display: \"multiSelect\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_e63b621d\"\n      fields:\n      - id: \"_approval_actions\"\n        display: \"array\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_ed6fb952\"\n      fields:\n      - id: \"_default_supervisors\"\n        display: \"array\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_fbb03b92\"\n      fields:\n      - id: \"_auto_approval_decision\"\n        display: \"dropDown\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_814382d2\"\n      fields:\n      - id: \"_auto_approval_expiry\"\n        display: \"decimalField\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_f6800297\"\n      fields:\n      - id: \"_system_approver\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_140620f9\"\n      fields:\n      - id: \"text_b9fd2d11\"\n        display: \"text\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_cd914f49\"\n      fields:\n      - id: \"_metadata_category\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: true\n        signpostPosition: \"right-middle\"\n    - id: \"section_d9c1552f\"\n      fields:\n      - id: \"_metadata_catalog\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: true\n        signpostPosition: \"right-middle\"\n    - id: \"section_abbc2da3\"\n      fields:\n      - id: \"_metadata_resource_type\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: true\n        signpostPosition: \"right-middle\"\n    - id: \"section_00a4df9d\"\n      fields:\n      - id: \"_metadata_available\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: true\n        signpostPosition: \"right-middle\"\n    - id: \"section_67cdd4bc\"\n      fields:\n      - id: \"deploymentName\"\n        display: \"textField\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition: \"right-middle\"\n    - id: \"section_b5648d44\"\n      fields:\n      - id: \"project\"\n        display: \"dropDown\"\n        state:\n          visible: true\n          read-only: false\n        signpostPosition:
```

\"right-middle\"\n   state:\n   visible: false\n - id: \"page_c8140bb4\"\n   title: \"Basic Settings\"\n   sections:\n   - id: \"section_431baf3c\"\n   fields:\n   - id: \"requestMessage\"\n   display: \"textArea\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   - id: \"section_deb559f2\"\n   fields:\n   - id: \"displayName\"\n   display: \"textField\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   - id: \"section_5d482b63\"\n   fields:\n   - id: \"codeName\"\n   display: \"textField\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   state:\n   visible: true\n - id: \"page_bf758914\"\n   title: \"User Settings\"\n   sections:\n   - id: \"section_967d4133\"\n   fields:\n   - id: \"administrators\"\n   display: \"array\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   - id: \"section_c83a954c\"\n   fields:\n   - id: \"members\"\n   display: \"array\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   - id: \"section_58318239\"\n   fields:\n   - id: \"viewers\"\n   display: \"array\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   - id: \"section_4b20ca86\"\n   fields:\n   - id: \"sharedResources\"\n   display: \"checkbox\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   state:\n   visible: true\n - id: \"page_c3bddfd7\"\n   title: \"Approval Settings\"\n   sections:\n   - id: \"section_68ba6006\"\n   fields:\n   - id: \"supervisors\"\n   display: \"array\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   state:\n   visible: true\n - id: \"page_62b79faa\"\n   title: \"Zone Restrictions\"\n   sections:\n   - id: \"section_87b09c11\"\n   fields:\n   - id: \"placementPolicy\"\n   display: \"dropDown\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   - id: \"section_cc99084b\"\n   fields:\n   - id: \"cloudZones\"\n   display: \"multiSelect\"\n   state:\n   visible: true\n   read-only: false\n   signpostPosition: \"right-middle\"\n   state:\n   visible: true\nschema:\n text_f792877b:\n   type:\n   dataType: \"string\"\n   default: \"1. Admin Settings\"\n   constraints: {}\n _admin_project_name:\n   label: \"Admin Project Name\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"admin\"\n   constraints: {}\n _catalogs:\n   label: \"Catalogs\"\n   type:\n   dataType: \"string\"\n   isMultiple: true\n   default:\n   id: \"com.bvp.bp.prj/getVpcCatalogsByAdminProjectName\"\n   type: \"scriptAction\"\n   parameters:\n   - $type:\n   dataType: \"string\"\n   isMultiple: false\n   adminProjectName: \"_admin_project_name\"\n   isPageable: false\n   valueList:\n   id: \"com.bvp.bp.prj/getVpcCatalogsByAdminProjectName\"\n   type: \"scriptAction\"\n   parameters:\n   - $type:\n   dataType: \"string\"\n   isMultiple: false\n   adminProjectName: \"_admin_project_name\"\n   isPageable: false\n _approval_actions:\n   label: \"Approval Actions\"\n   type:\n   dataType: \"string\"\n   isMultiple: true\n   default:\n   - \"Deployment.Create\"\n   constraints: {}\n _default_supervisors:\n   label: \"Default Supervisor Usernames\"\n   type:\n   dataType: \"string\"\n   isMultiple: true\n   default: []\n   constraints: {}\n _auto_approval_decision:\n   label: \"Auto Approval Decision\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"REJECT\"\n   valueList:\n   - value: \"APPROVE\"\n   label: \"APPROVE\"\n   - value: \"REJECT\"\n   label: \"REJECT\"\n   constraints: {}\n _auto_approval_expiry:\n   label: \"Auto Approval Expiry Days\"\n   type:\n   dataType: \"decimal\"\n   isMultiple: false\n   default: 1\n   constraints: {}\n _system_approver:\n   label: \"System Approver Username\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"admin\"\n text_b9fd2d11:\n   type:\n   dataType: \"string\"\n   default: \"2. System Parameters - Don't Touch\"\n   constraints: {}\n _metadata_category:\n   label: \"Metadata Category\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"Policy\"\n _metadata_catalog:\n   label: \"Metadata Catalog\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"Project\"\n _metadata_resource_type:\n   label: \"Metadata Resource Type\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"Custom.Project\"\n _metadata_available:\n   label: \"Metadata Available\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default: \"project admin\"\n deploymentName:\n   label: \"Deployment Name\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default:\n   bind:\n   values:\n   - \"`PRJ: `\"\n   - \"codeName\"\n   operator: \"concatenate\"\n   constraints:\n   required: true\n   max-value: 900\n project:\n   label: \"Project\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   valueList:\n   id: \"projects\"\n   type: \"scriptAction\"\n   constraints:\n   required: true\n requestMessage:\n   label: \"Request Message\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   constraints:\n   required: true\n displayName:\n   label: \"Display Name\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   constraints:\n   required: true\n codeName:\n   label: \"Code Name\"\n   type:\n   dataType: \"string\"\n   isMultiple: false\n   default:\n   id: \"com.bvp.bp.prj/getRandomString\"\n   type: \"scriptAction\"\n   parameters:\n   - $type:\n   dataType: \"string\"\n   isMultiple: false\n   type: \"`lowerDigit`\"\n   - $type:\n   dataType: \"string\"\n   isMultiple: false\n   length: \"`8`\"\n   isPageable: false\n   constraints:\n   min-value: 2\n   max-value: 16\n   pattern:\n   value: \"^[a-z][0-9a-z]+$\"\n   message: \"Constraint Description: must be compliant with ^[a-z][0-9a-z]+$ regular expression.\"\n administrators:\n   label: \"Administrator Usernames\"\n   description: \"User.username\"\n   signpost: \"User.username\"\n   type:\n   dataType: \"string\"\n   isMultiple: true\n   constraints:\n   required: true\n members:\n   label: \"Member Usernames\"\n   description: \"User.username\"\n   signpost: \"User.username\"\n   type:\n   dataType: \"string\"\n   isMultiple: true\n   default: []\n viewers:\n   label: \"Viewer Usernames\"\n   description:

```
\"User.username\"\n   signpost: \"User.username\"\n   type:\n      dataType: \"string\"\n      isMultiple: true\n
default: []\n   sharedResources:\n      label: \"Shared Resources\"\n      type:\n      dataType: \"boolean\"\n
isMultiple: false\n   default: true\n   constraints: {}\n supervisors:\n   label: \"Supervisor Usernames\"\n
description: \"User.username\"\n     signpost: \"User.username\"\n     type:\n        dataType: \"string\"\n
isMultiple: true\n   default: []\n   constraints: {}\n placementPolicy:\n   label: \"Placement Policy\"\n
type:\n     dataType: \"string\"\n      isMultiple: false\n    default: \"default\"\n    valueList:\n  - value:
\"default\"\n     label: \"Default\"\n   - value: \"spread\"\n      label: \"Spread\"\n   constraints: {}\n
cloudZones:\n   label: \"Availability Zones\"\n    type:\n      dataType: \"string\"\n    isMultiple: true\n
default:\n       id: \"com.bvp.bp.prj/getCloudZones\"\n       type: \"scriptAction\"\n     parameters: []\n
valueList:\n       id: \"com.bvp.bp.prj/getCloudZones\"\n       type: \"scriptAction\"\n     parameters: []\n
constraints: {}\noptions:\n externalValidations: []\n",
  "sourceType": "com.vmw.blueprint",
  "sourceId": "740f66a3-c330-3952-8ed6-b73564ee30a6",
  "type": "requestForm",
  "status": "ON",
  "formFormat": "YAML"
}
```

5.3.3. Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

5.4. Specific Catalog Field by External Source Query

This operation is to query a specific catalog field by external source information.

URI	Method	Description
/form-service/api/forms/renderer/external-values	POST	Get specific project information.

5.4.1. Request

■   URI parameters

Name	Required	Type	Description
N/A			

■   Request parameters

Name	Required	Type	Description
uri	YES	String	URI for action script
dataSource	YES	String	"scriptAction"

parameters	NO	Array	Array of parameter
name	YES	String	Parameter name
value	YES	String	Parameter value

■ JSON Request

```
[
  {
    "uri": "com.bvp.bp.prj/getVpcCatalogsByAdminProjectName",
    "dataSource": "scriptAction",
    "parameters": [
      {
        "name": "adminProjectName",
        "value": "admin"
      }
    ]
  }
]
```

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHI1bnNvbisLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImVvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RrOGIyNyIsImFjY3QiOiJtaHI1bnNvbsifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

5.4.2. Response

■ Response parameters

Name	Cardinality	Type	Description
data	1..N	Array	Array of data

label	1	String	
value	1	String	
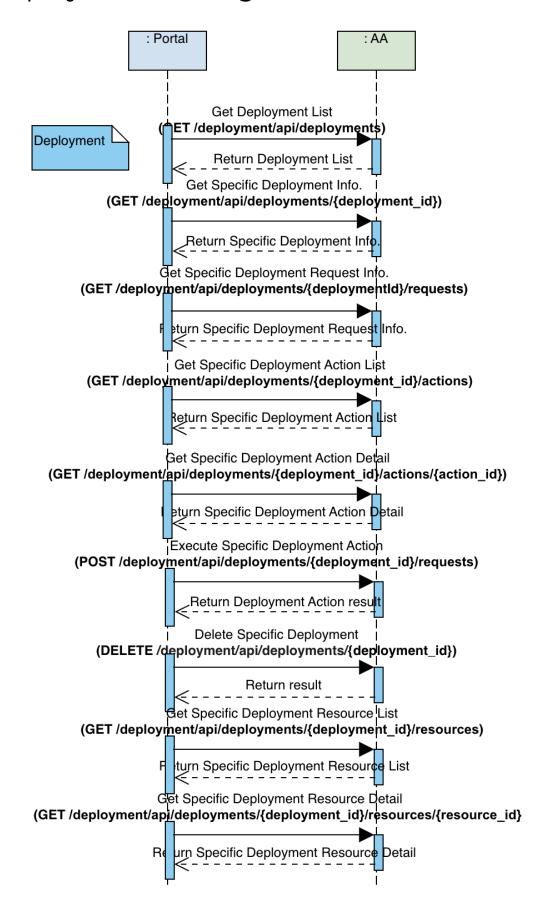
■ JSON Response
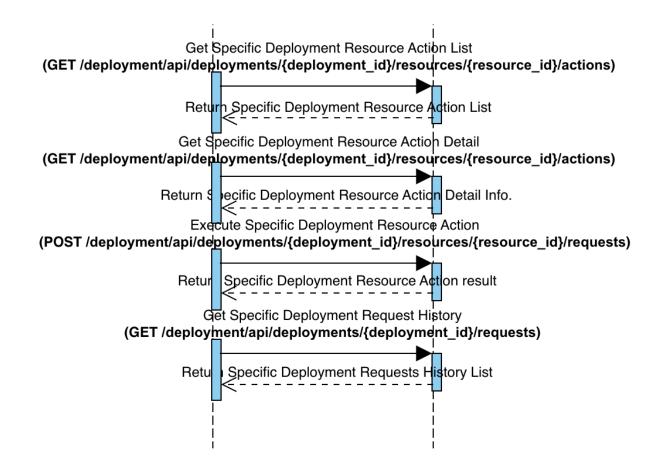
```
[
  {
    "data": [
      {
        "label": "Access IP",
        "value": "fe4aaeae-d574-3c8b-be80-adf95b15c7e2"
      },
      {
        "label": "Block Disk",
        "value": "5ee289e1-8c59-3b2c-906f-c0f02df386a4"
      },
      {
        "label": "Distributed Firewall",
        "value": "ad177df6-886f-39ee-9a5a-2245ebdf2957"
      },
      {
        "label": "Load Balancer",
        "value": "47161c35-de92-3ead-a5f1-5bea8b731094"
      },
      {
        "label": "Network File System",
        "value": "3ed76648-31e5-3ddc-953f-b40997749157"
      },
      {
        "label": "Segment",
        "value": "dbfdeb75-9fd5-3348-9c69-9f6a0e14211c"
      },
      {
        "label": "Segment Peering",
        "value": "2c5df8b6-fd8e-349b-8ee0-eaed77e53866"
      },
      {
        "label": "Virtual Machine",
        "value": "2d9242ac-179f-3816-9df9-b6665913db2e"
      },
      {
        "label": "Virtual Private Cloud",
        "value": "6624cc32-46a1-348c-964c-4f2f1838469f"
      }
    ],
    "requestId": 0
  }
]
```

5.4.3. Response codes

■ Normal: OK (200)

■ Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6. Deployment Management

Deployment

: Portal

: AA

Get Deployment List
(GET /deployment/api/deployments)

Return Deployment List

Get Specific Deployment Info.
(GET /deployment/api/deployments/{deployment_id})

Return Specific Deployment Info.

Get Specific Deployment Request Info.
(GET /deployment/api/deployments/{deploymentId}/requests)

Return Specific Deployment Request Info.

Get Specific Deployment Action List
(GET /deployment/api/deployments/{deployment_id}/actions)

Return Specific Deployment Action List

Get Specific Deployment Action Detail
(GET /deployment/api/deployments/{deployment_id}/actions/{action_id})

Return Specific Deployment Action Detail

Execute Specific Deployment Action
(POST /deployment/api/deployments/{deployment_id}/requests)

Return Deployment Action result

Delete Specific Deployment
(DELETE /deployment/api/deployments/{deployment_id})

Return result

Get Specific Deployment Resource List
(GET /deployment/api/deployments/{deployment_id}/resources)

Return Specific Deployment Resource List

Get Specific Deployment Resource Detail
(GET /deployment/api/deployments/{deployment_id}/resources/{resource_id}

Return Specific Deployment Resource Detail

Get Specific Deployment Resource Action List
(GET /deployment/api/deployments/{deployment_id}/resources/{resource_id}/actions)

Return Specific Deployment Resource Action List

Get Specific Deployment Resource Action Detail
(GET /deployment/api/deployments/{deployment_id}/resources/{resource_id}/actions)

Return Specific Deployment Resource Action Detail Info.

Execute Specific Deployment Resource Action
(POST /deployment/api/deployments/{deployment_id}/resources/{resource_id}/requests)

Return Specific Deployment Resource Action result

Get Specific Deployment Request History
(GET /deployment/api/deployments/{deployment_id}/requests)

Return Specific Deployment Requests History List

6.1. Deployment List Query

This operation is to query the deployment list.

URI	Method	Description
/deployment/api/deployments	GET	Get all deployment lists.

6.1.1. Request

■ URI parameters

Name	Required	Type	Description
N/A			

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLnxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzczpVZOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1lc2VyLU04QmxteHVSVScmkiLCJzdWIiOiJwc29sYWludbG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHJ1bnNvsiLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS8yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHJ1bnNvsifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpleY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.1.2.   Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of deployment
id	1	String	Deployment ID
name	1	String	Deployment name
orgId	1	String	Organization ID
catalogItemId	1	String	Catalog item ID
catalogItemVersion	1	String	Catalog item version information
blueprintId	1	String	Blueprint ID
blueprintVersion	1	String	Blueprint version information
iconId	1	String	Icon ID
projectId	1	String	Project ID
ownedBy	1	String	Deployment owner
ownerType	1	String	Deployment owner type
inputs	0..1	Object	The object of inputs
inputs have different attributes depending on the catalog item's template design			
createdAt	1	String	Created time
createdBy	1	String	Deployment creator
lastUpdatedAt	1	String	Last updated time
lastUpdatedBy	1	String	Deployment last updater
leaseGracePeriodDays	1	Integer	Grace period of lease (days)
status	1	String	Enum ["CREATE_SUCCESSFUL"]

pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■   JSON Response

```
{
  "content": [
    {
      "id": "c4a52a4e-1e3b-4996-9a4e-8ece19655c50",
      "name": "PRJ: xwit9z57",
      "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
      "catalogItemId": "740f66a3-c330-3952-8ed6-b73564ee30a6",
      "catalogItemVersion": "20250217-v1",
      "blueprintId": "6e615839-916f-4121-b497-fc5e14178a93",
      "blueprintVersion": "20250217-v1",
      "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
      "createdAt": "2025-02-25T15:07:15.918510Z",
      "createdBy": "admin",
      "ownedBy": "carl",
      "ownerType": "USER",
      "lastUpdatedAt": "2025-02-25T15:34:33.643823Z",
      "lastUpdatedBy": "admin",
      "leaseGracePeriodDays": 1,
      "inputs": {
        "members": [],
        "project": "d90b7cd8-43a7-4d3b-af4d-0a081de75d99",
        "viewers": [],
```

```
        "_user_id": "carl",
        "codeName": "xwit9z57",
        "_catalogs": [
            "fe4aaeae-d574-3c8b-be80-adf95b15c7e2",
            "5ee289e1-8c59-3b2c-906f-c0f02df386a4",
            "ad177df6-886f-39ee-9a5a-2245ebdf2957",
            "47161c35-de92-3ead-a5f1-5bea8b731094",
            "3ed76648-31e5-3ddc-953f-b40997749157",
            "dbfdeb75-9fd5-3348-9c69-9f6a0e14211c",
            "2c5df8b6-fd8e-349b-8ee0-eaed77e53866",
            "2d9242ac-179f-3816-9df9-b6665913db2e",
            "6624cc32-46a1-348c-964c-4f2f1838469f"
        ],
        "cloudZones": [
            "65268d0b-88b6-450d-8cfe-0824d8ec257a"
        ],
        "_user_email": "carl@flowww.kr",
        "description": null,
        "displayName": "Test 프로젝트",
        "supervisors": [],
        "administrators": [
            "carl"
        ],
        "deploymentName": "PRJ: xwit9z57",
            "requestMessage": "Test 프로젝트\n\nDeployment Name : PRJ: xwit9z57\nProject : 프로젝트 관리\nRequest Message : Test 프로젝트\nDisplay Name : Test 프로젝트\nCode Name : xwit9z57\nAdministrator Usernames : carl\nMember Usernames : \nViewer Usernames : \nShared Resources : True\nSupervisor Usernames : \nPlacement Policy : Default\nAvailability Zones : ECS 리전 가용성 지역 1번",
        "placementPolicy": "default",
        "sharedResources": true,
        "_catalogItemName": "Project",
        "_system_approver": "admin",
        "bulkRequestCount": 1,
        "_approval_actions": [
            "Deployment.Create"
        ],
        "_metadata_catalog": "Project",
        "_metadata_category": "Policy",
        "_admin_project_name": "admin",
        "_metadata_available": "project admin",
        "_default_supervisors": [],
        "_auto_approval_expiry": 1,
        "_auto_approval_decision": "REJECT",
        "_metadata_resource_type": "Custom.Project"
    },
    "projectId": "d90b7cd8-43a7-4d3b-af4d-0a081de75d99",
    "status": "CREATE_SUCCESSFUL"
},
…
```

```json
  ],
  "pageable": {
    "pageNumber": 0,
    "pageSize": 10,
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 0,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 10,
  "totalPages": 1,
  "last": true,
  "size": 10,
  "number": 0,
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "numberOfElements": 10,
  "first": true,
  "empty": false
}
```

6.1.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.2.   Specific Deployment Query

This operation is to query specific deployment information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}	GET	Get specific deployment information.

6.2.1. Request

■ URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI4OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHl1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

6.2.2. Response

■ Response parameters

Name	Cardinality	Type	Description
id	1	String	Deployment ID
name	1	String	Deployment name
orgId	1	String	Organization ID
catalogItemId	1	String	Catalog item ID
catalogItemVersion	1	String	Catalog item version information
blueprintId	1	String	Blueprint ID
blueprintVersion	1	String	Blueprint version information
iconId	1	String	Icon ID
projectId	1	String	Project ID
ownedBy	1	String	Deployment owner

ownerType	1	String	Deployment owner type
inputs	0..1	Object	Object of inputs
inputs have different attributes depending on the catalog item's template design			
createdAt	1	String	Created time
createdBy	1	String	Deployment creator
lastUpdatedAt	1	String	Last updated time
lastUpdatedBy	1	String	Deployment last updater
leaseGracePeriodDays	1	Integer	Grace period of lease (days)
status	1	String	Enum ["CREATE_SUCCESSFUL"]

■ JSON Response

```
{
  "id": "c4a52a4e-1e3b-4996-9a4e-8ece19655c50",
  "name": "PRJ: xwit9z57",
  "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
  "catalogItemId": "740f66a3-c330-3952-8ed6-b73564ee30a6",
  "catalogItemVersion": "20250217-v1",
  "blueprintId": "6e615839-916f-4121-b497-fc5e14178a93",
  "blueprintVersion": "20250217-v1",
  "iconId": "1495b8d9-9428-30d6-9626-10ff9281645e",
  "createdAt": "2025-02-25T15:07:15.918510Z",
  "createdBy": "admin",
  "ownedBy": "carl",
  "ownerType": "USER",
  "lastUpdatedAt": "2025-02-25T15:34:33.643823Z",
  "lastUpdatedBy": "admin",
  "leaseGracePeriodDays": 1,
  "inputs": {
    "members": [],
    "project": "d90b7cd8-43a7-4d3b-af4d-0a081de75d99",
    "viewers": [],
    "_user_id": "carl",
    "codeName": "xwit9z57",
    "_catalogs": [
      "fe4aaeae-d574-3c8b-be80-adf95b15c7e2",
      "5ee289e1-8c59-3b2c-906f-c0f02df386a4",
      "ad177df6-886f-39ee-9a5a-2245ebdf2957",
      "47161c35-de92-3ead-a5f1-5bea8b731094",
      "3ed76648-31e5-3ddc-953f-b40997749157",
      "dbfdeb75-9fd5-3348-9c69-9f6a0e14211c",
      "2c5df8b6-fd8e-349b-8ee0-eaed77e53866",
      "2d9242ac-179f-3816-9df9-b6665913db2e",
      "6624cc32-46a1-348c-964c-4f2f1838469f"
    ],
    "cloudZones": [
      "65268d0b-88b6-450d-8cfe-0824d8ec257a"
    ],
    "_user_email": "carl@flowww.kr",
    "description": null,
    "displayName": "Test 프로젝트",
    "supervisors": [],
    "administrators": [
      "carl"
    ],
    "deploymentName": "PRJ: xwit9z57",
    "requestMessage": "Test 프로젝트\n\nDeployment Name : PRJ: xwit9z57\nProject : 프로젝트
관리\nRequest Message : Test 프로젝트\nDisplay Name : Test 프로젝트\nCode Name :
xwit9z57\nAdministrator Usernames : carl\nMember Usernames : \nViewer Usernames : \nShared
```

```
Resources : True\nSupervisor Usernames : \nPlacement Policy : Default\nAvailability Zones : ECS 리전
가용성 지역 1번",
    "placementPolicy": "default",
    "sharedResources": true,
    "_catalogItemName": "Project",
    "_system_approver": "admin",
    "bulkRequestCount": 1,
    "_approval_actions": [
        "Deployment.Create"
    ],
    "_metadata_catalog": "Project",
    "_metadata_category": "Policy",
    "_admin_project_name": "admin",
    "_metadata_available": "project admin",
    "_default_supervisors": [],
    "_auto_approval_expiry": 1,
    "_auto_approval_decision": "REJECT",
    "_metadata_resource_type": "Custom.Project"
  },
  "projectId": "d90b7cd8-43a7-4d3b-af4d-0a081de75d99",
  "resources": [
    {
      "id": "38c42835-1b9f-4fb9-aafd-0ad5881246ea",
      "name": "project",
      "type": "Custom.Project",
      "properties": {
          "displayName": "이성하 프로젝트"
      },
      "createdAt": "2025-02-25T15:07:20.418769Z",
      "syncStatus": "SUCCESS",
      "origin": "DEPLOYED",
      "state": "OK"
    }
  ],
  "status": "CREATE_SUCCESSFUL"
}
```

6.2.3. Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.3. Specific Deployment Request Query

This operation is to query a specific deployment request history information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/requests	GET	Get specific deployment request information.

6.3.1. Request

- URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzl1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjluM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHJpbnNvbiIsLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2U5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHJpbnNvbisifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.3.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of deployment request
id	1	String	Deployment ID
name	1	String	Deployment name
catalogItemId	1	String	Catalog item ID
blueprintId	1	String	Blueprint ID
requestedBy	1	String	Deployment requestor
ownerType	1	String	Deployment owner type
totalTasks	1	Integer	Total number of task
completedTasks	1	Integer	Number of completed task
details	1	String	
inputs	0..1	Object	Object of inputs
inputs have different attributes depending on the catalog item's template design			
resourceIds	1	Array	Array of resource ID

< value >	1	String	Resource ID
createdAt	1	String	Created time
updatedAt	1	String	Updated time
approvedAt	1	String	Approved time
status	1	String	Enum ["SUCCESSFUL"]
pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■ JSON Response

```
{
  "content": [
    {
      "id": "7426b7a2-4488-42f9-a748-08c9ff87fc5e",
      "name": "Change Members",
      "requestedBy": "admin",
      "actionId": "Custom.Project.custom.changemembers",
      "deploymentId": "c4a52a4e-1e3b-4996-9a4e-8ece19655c50",
      "resourceIds": [
        "38c42835-1b9f-4fb9-aafd-0ad5881246ea"
      ],
      "inputs": {
        "_user_id": "carl",
        "newUsers": "hc.jang",
        "_user_email": "carl@flowww.kr",
        "array_2fe05f15": [
          "hc.jang"
        ]
      },
      "status": "SUCCESSFUL",
```

```json
        "details": "",
        "createdAt": "2025-02-25T15:34:29.162346Z",
        "updatedAt": "2025-02-25T15:34:33.643716Z",
        "approvedAt": "2025-02-25T15:34:32.038422Z",
        "totalTasks": 2,
        "completedTasks": 2
    },
    {
        "id": "7b999a34-0e57-4426-8f27-00aa2a0ecb34",
        "name": "Change Owner",
        "requestedBy": "admin",
        "actionId": "Deployment.ChangeOwner",
        "deploymentId": "c4a52a4e-1e3b-4996-9a4e-8ece19655c50",
        "resourceIds": [
            "c4a52a4e-1e3b-4996-9a4e-8ece19655c50"
        ],
        "inputs": {
            "newOwner": "carl",
            "ownerType": "USER"
        },
        "status": "SUCCESSFUL",
        "details": "",
        "createdAt": "2025-02-25T15:07:23.100306Z",
        "updatedAt": "2025-02-25T15:07:29.380550Z",
        "approvedAt": "2025-02-25T15:07:27.139634Z",
        "totalTasks": 4,
        "completedTasks": 4
    },
    {
        "id": "52579fd4-8196-4034-bdc4-e3396c0162ae",
        "name": "Create",
        "requestedBy": "admin",
        "blueprintId": "6e615839-916f-4121-b497-fc5e14178a93:20250217-v1",
        "catalogItemId": "740f66a3-c330-3952-8ed6-b73564ee30a6:20250217-v1",
        "deploymentId": "c4a52a4e-1e3b-4996-9a4e-8ece19655c50",
        "resourceIds": [
            "38c42835-1b9f-4fb9-aafd-0ad5881246ea"
        ],
        "inputs": {
            "members": [],
            "project": "d90b7cd8-43a7-4d3b-af4d-0a081de75d99",
            "viewers": [],
            "_user_id": "carl",
            "codeName": "xwit9z57",
            "_catalogs": [
                "fe4aaeae-d574-3c8b-be80-adf95b15c7e2",
                "5ee289e1-8c59-3b2c-906f-c0f02df386a4",
                "ad177df6-886f-39ee-9a5a-2245ebdf2957",
                "47161c35-de92-3ead-a5f1-5bea8b731094",
                "3ed76648-31e5-3ddc-953f-b40997749157",
                "dbfdeb75-9fd5-3348-9c69-9f6a0e14211c",
                "2c5df8b6-fd8e-349b-8ee0-eaed77e53866",
                "2d9242ac-179f-3816-9df9-b6665913db2e",
                "6624cc32-46a1-348c-964c-4f2f1838469f"
            ],
            "cloudZones": [
                "65268d0b-88b6-450d-8cfe-0824d8ec257a"
            ],
            "_user_email": "carl@flowww.kr",
            "description": null,
            "displayName": "이성하 프로젝트",
            "supervisors": [],
            "administrators": [
                "carl"
```

```
        ],
        "deploymentName": "PRJ: xwit9z57",
            "requestMessage": "이성하 프로젝트\n\nDeployment Name : PRJ: xwit9z57\nProject : 프로젝트
관리\nRequest   Message   :   이성하   프로젝트\nDisplay   Name   :   이성하   프로젝트\nCode   Name   :
xwit9z57\nAdministrator Usernames : carl\nMember  Usernames : \nViewer  Usernames : \nShared
Resources : True\nSupervisor Usernames : \nPlacement Policy : Default\nAvailability Zones : ECS 리전
가용성 지역 1번",
        "placementPolicy": "default",
        "sharedResources": true,
        "_catalogItemName": "Project",
        "_system_approver": "admin",
        "bulkRequestCount": 1,
        "_approval_actions": [
            "Deployment.Create"
        ],
        "_metadata_catalog": "Project",
        "_metadata_category": "Policy",
        "_admin_project_name": "admin",
        "_metadata_available": "project admin",
        "_default_supervisors": [],
        "_auto_approval_expiry": 1,
        "_auto_approval_decision": "REJECT",
        "_metadata_resource_type": "Custom.Project"
    },
    "status": "SUCCESSFUL",
    "details": "",
    "createdAt": "2025-02-25T15:07:15.950756Z",
    "updatedAt": "2025-02-25T15:07:22.108538Z",
    "approvedAt": "2025-02-25T15:07:18.705762Z",
    "totalTasks": 4,
    "completedTasks": 4
  }
],
"pageable": {
  "pageNumber": 0,
  "pageSize": 20,
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "offset": 0,
  "paged": true,
  "unpaged": false
},
"last": true,
"totalElements": 3,
"totalPages": 1,
"size": 20,
"number": 0,
"sort": {
  "empty": false,
  "sorted": true,
  "unsorted": false
},
"first": true,
"numberOfElements": 3,
"empty": false
}
```

6.3.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.4. Specific Deployment Actions Query

This operation is to query specific deployment information for actions.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/actions	GET	Get specific deployment actions information.

6.4.1. Request

- URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y2Y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRrcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1zc2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29yYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFpLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bnNvasiLCJwZXJtcyl6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLT9hN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjdCI6OiJtaHl1bnNvIn0.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-Cbmlwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

6.4.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
id	1	String	Resource action ID
name	1	String	Resource action name
displayName	1	String	Resource action display name
description	1	String	Description
valid	1	Boolean	
actionType	1	String	"RESOURCE_ACTION"

■   JSON Response

```
[
  {
    "id": "Deployment.ChangeLease",
    "name": "ChangeLease",
    "displayName": "Change Lease",
    "description": "Set a deployment's expiration date",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.ChangeOwner",
    "name": "ChangeOwner",
    "displayName": "Change Owner",
    "description": "Change owner of a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.ChangeProject",
    "name": "ChangeProject",
    "displayName": "Change Project",
    "description": "Change project of a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.Delete",
    "name": "Delete",
    "displayName": "Delete",
    "description": "Delete a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.EditDeployment",
    "name": "EditDeployment",
    "displayName": "Edit Deployment",
    "description": "Edit deployment name, description or icon",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.EditTags",
    "name": "EditTags",
    "displayName": "Edit Tags",
```

```
      "description": "Add or remove tags from a deployment's resources",
      "valid": false,
      "actionType": "RESOURCE_ACTION"
  },
  {
      "id": "Deployment.PowerOff",
      "name": "PowerOff",
      "displayName": "Power Off",
      "description": "Power off a deployment",
      "valid": false,
      "actionType": "RESOURCE_ACTION"
  },
  {
      "id": "Deployment.PowerOn",
      "name": "PowerOn",
      "displayName": "Power On",
      "description": "Power on a deployment",
      "valid": false,
      "actionType": "RESOURCE_ACTION"
  },
  {
      "id": "Deployment.RebuildVMs",
      "name": "RebuildVMs",
      "displayName": "Rebuild VMs",
      "description": "Rebuild deployment's machine resources",
      "valid": false,
      "actionType": "RESOURCE_ACTION"
  },
  {
      "id": "Deployment.Update",
      "name": "Update",
      "displayName": "Update",
      "description": "Update a deployment",
      "valid": true,
      "actionType": "RESOURCE_ACTION"
  }
]
```

6.4.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.5.   Specific Deployment Action Detail Query

This operation is to query a specific deployment action's detailed resource information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/actions/{action_id}	GET	Get specific deployment action's detailed information.

6.5.1.   Request

■   URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment
action_id	YES	String	Action ID

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJodHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQiOjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2QtMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuMDphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaXAiOiJjHJlbHVkZS11c2VyLU04QmxteHVVcmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwidXNlcm5hbWUiOiJtaHI1bnNvb2siLCJwZXJtcyI6WyJjc6b3JnX293bmVyiiwiZXh0ZXJuYWwvYjQ3MTk0NWQtYzVhZC00Nzk3LWJjOTGtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82YmQzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGVj2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJuYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRvbWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjIAtNGY3OC1iMzBiLTA5Y2Y4NDDmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE1zTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHI1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjGDhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cbrl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQEeKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.5.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
id	1	String	Resource action ID
name	1	String	Resource action name
displayName	1	String	Resource action display name
description	1	String	Description
valid	1	Boolean	
actionType	1	String	"RESOURCE_ACTION"

■   JSON Response

```
{
  "id": "Deployment.PowerOn",
```

```
    "name": "PowerOn",
    "displayName": "Power On",
    "description": "Power on a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
}
```

6.5.3.   Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.6.   Execute Deployment Action

This operation is to execute a deployment action for a specific deployment.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/requests	POST	Execute a deployment action for a specific deployment.

6.6.1.   Request

- URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

- Request parameters

Name	Required	Type	Description
actionId	YES	String	Action ID
inputs	YES	Object	Object of inputs
inputs would have different details depends on catalog item's template design			

- JSON Request

```
{
    "actionId": "Deployment.PowerOn",
    "inputs": {}
}
```

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVVcmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaW1bnNvb2siLCJwZXJtcy6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2hdGFsb2cYWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlYzRkk0OGNyIsImFjY3QiOiJtaW1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.6.2. Response

■ Response parameters

Name	Cardinality	Type	Description
id	1	String	Request ID
name	1	String	Action name
actionId	1	String	Action ID
deploymentId	1	String	Deployment ID
resourceIds	1	Array	Array of resource ID
< value >	1	String	Resource ID
details	1	String	Request detail
requestedBy	1	String	Requester
totalTasks	1	Integer	Total number of task
completedTasks	1	Integer	Number of completed task
status	1	String	Enum ["SUCCESSFUL"]
createdAt	1	String	Created time
updatedAt	1	String	Updated time
cancelable	1	Boolean	

- JSON Response

```
{
  "id": "23b3c0e4-5a01-43c3-b336-4a41b9f8a00c",
  "name": "Power On",
  "requestedBy": "sophia",
  "actionId": "Deployment.PowerOn",
  "deploymentId": "1a91dc80-59f9-48de-8db9-e07647b5126a",
  "resourceIds": [
    "4aa038fb-cfbc-4f48-b681-2338d0fee1c5"
  ],
  "status": "PENDING",
  "details": "Waiting to start execution",
  "createdAt": "2025-03-17T12:51:07.530082Z",
  "updatedAt": "2025-03-17T12:51:07.530082Z",
  "totalTasks": 1,
  "completedTasks": 0,
  "cancelable": true
}
```

6.6.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.7.   Delete Deployment

This operation is to delete specific deployment information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}	DELETE	Delete a specific deployment information.

6.7.1.   Request

- URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGdRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHI1bnNvbiIsLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzRhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVtdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaGI1bnNvbifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

6.7.2.   Response

■   Response parameters

Name	Cardinality	Type	Description
N/A			

6.7.3.   Response codes

■   Normal: No Content (204)

■   Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.8.   Deployment Resource List Query

This operation is to query the deployment resource list for a specific deployment.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/resources	GET	Get all resource information for a specific deployment.

6.8.1. Request

■   URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1lc2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHIibnNvbiLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJjleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHIibnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQgykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

6.8.2. Response

■   Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of deployment resource
id	1	String	Deployment resource ID
name	1	String	Deployment resource name
type	1	String	Resource type. Enum ["Cloud.vSphere.Machine","Cloud.NSX.Network","Cloud.Vsphere.Disk","Cloud.SecurityGroup"]
properties	0..1	Object	The properties of the deployment resource
properties have different attributes depending on the deployment resource			
createdAt	1	String	Created time

syncStatus	1	String	Enum ["SUCCESS"]
status	1	String	Enum ["CREATE_SUCCESSFUL"]
origin	1	String	Enum ["DEPLOYED"]
pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■　JSON Response

```
{
  "content": [
    {
      "id": "00991ab0-049f-4074-93e5-2f3ddbc0fbc4",
      "name": "project",
      "type": "Custom.Project",
      "properties": {
        "approver": "admin",
        "approvalPolicy": "",
        "displayName": "테스트 프로젝트 1",
        "catalogPolicy": "9caaa127-2e42-4ca9-b3f1-475e6571c104",
        "requestMessage": "테스트 프로젝트 1\n\nDeployment Name : PRJ: vpy2nlyf\nProject :
프로젝트 관리\nRequest Message : 테스트 프로젝트 1\nDisplay Name : 테스트 프로젝트 1\nCode
Name : vpy2nlyf\nAdministrator Usernames : hc.jang\nMember Usernames : sophia\nViewer
Usernames : \nShared Resources : True\nSupervisor Usernames : \nPlacement Policy :
Default\nAvailability Zones : ECS 리전 가용성 지역 1번",
        "viewers": [],
```

```json
          "sharedResources": true,
          "catalogs": [
            "fe4aaeae-d574-3c8b-be80-adf95b15c7e2",
            "5ee289e1-8c59-3b2c-906f-c0f02df386a4",
            "ad177df6-886f-39ee-9a5a-2245ebdf2957",
            "47161c35-de92-3ead-a5f1-5bea8b731094",
            "3ed76648-31e5-3ddc-953f-b40997749157",
            "dbfdeb75-9fd5-3348-9c69-9f6a0e14211c",
            "2c5df8b6-fd8e-349b-8ee0-eaed77e53866",
            "2d9242ac-179f-3816-9df9-b6665913db2e",
            "6624cc32-46a1-348c-964c-4f2f1838469f"
          ],
          "members": [
            "linyong",
            "sophia",
            "carl"
          ],
          "name": "vpy2nlyf",
          "selfId": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
          "approvalActions": [
            "Deployment.Create"
          ],
          "placementPolicy": "default",
          "id": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
          "cloudZones": [
            "65268d0b-88b6-450d-8cfe-0824d8ec257a"
          ],
          "administrators": [
            "hc.jang"
          ],
          "autoApprovalExpiry": 1,
          "supervisors": [],
          "autoApprovalDecision": "REJECT"
        },
        "createdAt": "2025-02-24T12:27:57.950721Z",
        "syncStatus": "SUCCESS",
        "origin": "DEPLOYED",
        "state": "OK"
      }
    ],
    "pageable": {
      "pageNumber": 0,
      "pageSize": 20,
      "sort": {
        "empty": false,
        "sorted": true,
        "unsorted": false
      },
      "offset": 0,
      "paged": true,
```

```
      "unpaged": false
   },
   "last": true,
   "totalElements": 1,
   "totalPages": 1,
   "size": 20,
   "number": 0,
   "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
   },
   "first": true,
   "numberOfElements": 1,
   "empty": false
}
```

6.8.3.   Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.9.   Specific Deployment Resource Query

This operation is to query a specific deployment resource information for a specific deployment.

URI	Method	Description
/deployment/api/deployments/{deployment _id}/resources/{resource_id}	GET	Get specific resource information for a specific deployment.

6.9.1.   Request

- URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment
resource_id	YES	String	UUID for resource

- Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Y2y5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1uc2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIub9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtdHJ1bnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTQtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGVvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLTllN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtdHJ1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-Cbmlwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.9.2. Response

■ Response parameters

Name	Cardinality	Type	Description
id	1	String	Deployment resource ID
name	1	String	Deployment resource name
type	1	String	Resource type. Enum ["Cloud.vSphere.Machine","Cloud.NSX.Network","Cloud.Vsphere.Disk","Cloud.SecurityGroup"]
properties	0..1	Object	The properties of the deployment resource
properties have different attributes depending on the deployment resource			
createdAt	1	String	Created time
syncStatus	1	String	Enum ["SUCCESS"]
status	1	String	Enum ["CREATE_SUCCESSFUL"]
origin	1	String	Enum ["DEPLOYED"]

■ JSON Response

```
{
  "id": "b5ac196c-ee8b-4726-bfd1-ecd1990e007e",
  "name": "segment",
  "type": "Cloud.NSX.Network",
  "properties": {
    "resourceId": "b5ac196c-ee8b-4726-bfd1-ecd1990e007e",
                                                    "vpcManagedIpAddressLink":
"/resources/ip-addresses/6a6bd90b-b1bd-4b3d-8af7-cc87c42e1990_172.22.101.16",
                                                    "resourceDescLink":
"/provisioning/resources/compute-network-descriptions/06fb6571-b5b3-427e-ab14-e3cbaa61ee2a",
```

```
    "datacenterId": "Datacenter:datacenter-3",
    "vpcProjectDomain": "vpy2nlyf.cloud.esp.sdi",
    "constraints": [
      {
        "tag": "vpcId:4454e27e-9066-4f01-a9c3-658aa53f6d08"
      }
    ],
    "vpcManagedSegmentPath": "/infra/segments/5649b62f-d7f1-4926-8da6-fa428c891c2e",
    "networkCidr": "123.123.123.0/24",
                                                              "vpcManagedGatewayLink":
"/provisioning/resources/compute-gateways/c1dcd41f-6fb6-4183-b842-494a9dea44a0",
    "prefixLength": "24",
    "path": "/infra/segments/43da4fea-c6d6-4608-afc7-a5aaabaae048",
    "vpcManagedTier1Path": "/infra/tier-1s/80d09653-0a0b-4745-ad07-70714e378e9b",
    "id": "/provisioning/resources/compute-networks/b5ac196c-ee8b-4726-bfd1-ecd1990e007e",
    "isSimulate": "false",
    "endpointType": "nsxt",
    "vpcDnsServerAddresses": "[\"172.21.1.2\", \"172.21.1.3\"]",
    "resourceName": "vpy2nlyf-u4tkuujs-li5h8h3s",
                                                              "vpcInfraProfileLink":
"/provisioning/resources/network-profiles/fd62cb6b-6ffa-4e93-a9f7-794f0600efc9",
    "tags": [
      {
        "value": "vpy2nlyf-u4tkuujs-li5h8h3s",
        "key": "vpcSegId"
      }
    ],
                         "requestMessage":    "테스트    세그먼트    1\n\nDeployment    Name    :    SEG:
vpy2nlyf-u4tkuujs-123.123.123.0/24\nProject : 테스트 프로젝트 1\nRequest Message : 테스트 세그먼트
1\nDisplay Name : 테스트 세그먼트 1\nCode Name : li5h8h3s\nVPC : 테스트 VPC 1\nCIDR : 123.123.123.0/24",
    "name": "vpy2nlyf-u4tkuujs-li5h8h3s",
    "vpcProjectName": "vpy2nlyf",
                                                                          "resourceLink":
"/provisioning/resources/compute-networks/b5ac196c-ee8b-4726-bfd1-ecd1990e007e",
    "region": "",
                                                              "vpcManagedNetworkLink":
"/provisioning/resources/compute-networks/8a9a5768-90f7-4df1-9700-dfd11edb7027",
    "vpcManagedAddress": "172.22.101.16",
    "displayName": "테스트 세그먼트 1",
    "vpcTransitSegmentPath": "/infra/segments/AZ1-SEG-TRANSIT",
    "netmask": "255.255.255.0",
    "providerId": "329bc8f8-1df3-4c74-89e9-ccba18b1dce0",
    "onDemandNetworkIPAssignmentType": "static",
    "vpcProjectId": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
    "tier0LogicalRouterStateLink": "/resources/routers/bb4d138a-36a2-48a6-8719-0f693de7b2ed",
    "vpcManagedLoadBalancerLink": "/resources/load-balancers/4706fab8-ed96-4023-a9ff-620cf2b1afb7",
    "networkType": "private",
    "facadeEndpointType": "vcf",
    "vpcTransitSubnetLink": "/resources/sub-networks/45a30f3e-9085-4886-9b22-556620b81437",
    "edgeClusterRouterStateLink": "/resources/routers/cdb145a1-d13f-4a1e-ac51-78a526392fcc",
    "endpointId": "f19b16cb-7c45-42e7-afb2-54c7a0d8cc27",
    "vpc": "/provisioning/resources/network-profiles/4454e27e-9066-4f01-a9c3-658aa53f6d08",
    "externalId": "329bc8f8-1df3-4c74-89e9-ccba18b1dce0",
    "vpcManagedRouterLink": "/resources/routers/f56f6e30-e989-468d-bb39-51852cd0cc9f",
                                                              "vpcTransitIpAddressLink":
"/resources/ip-addresses/39f0fb43-6439-456c-ac7a-5a5d9b758179_172.22.11.22",
    "vpcTransitAddress": "172.22.11.22",
    "accounts": [],
    "vpcManagedSubnetLink": "/resources/sub-networks/3483d4a0-2a7c-4ebb-beda-126fc6b5c2be",
    "account": "ecs-az1-nsx-az1.sys.sdi",
    "gateway": "123.123.123.1",
    "vpcRouterName": "vpy2nlyf-u4tkuujs"
  },
  "createdAt": "2025-03-02T13:44:06.133341Z",
```

```
  "syncStatus": "SUCCESS",
  "origin": "DEPLOYED",
  "state": "OK"
}
```

6.9.3.   Response codes

- ■   Normal: OK (200)
- ■   Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.10.   Specific Deployment Resource Actions Query

This operation is to query a specific deployment resource action information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/resources/{resource_id}/actions	GET	Get all resource action information for a specific deployment resource.

6.10.1.   Request

- ■   URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment
resource_id	YES	String	UUID for resource

- ■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- ■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWludbG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHl1bnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
```

bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHl1bnNvbiJ9.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

## 6.10.2. Response

■ Response parameters

| Name | Cardinality | Type | Description |
|---|---|---|---|
| id | 1 | String | Resource action ID |
| name | 1 | String | Resource action name |
| displayName | 1 | String | Resource action display name |
| description | 1 | String | Description |
| valid | 1 | Boolean | |
| actionType | 1 | String | "RESOURCE_ACTION" |

■ JSON Response

```
[
  {
    "id": "Deployment.ChangeLease",
    "name": "ChangeLease",
    "displayName": "Change Lease",
    "description": "Set a deployment's expiration date",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.ChangeOwner",
    "name": "ChangeOwner",
    "displayName": "Change Owner",
    "description": "Change owner of a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.ChangeProject",
    "name": "ChangeProject",
    "displayName": "Change Project",
    "description": "Change project of a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.Delete",
    "name": "Delete",
    "displayName": "Delete",
    "description": "Delete a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.EditDeployment",
    "name": "EditDeployment",
```

```json
    "displayName": "Edit Deployment",
    "description": "Edit deployment name, description or icon",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.EditTags",
    "name": "EditTags",
    "displayName": "Edit Tags",
    "description": "Add or remove tags from a deployment's resources",
    "valid": false,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.PowerOff",
    "name": "PowerOff",
    "displayName": "Power Off",
    "description": "Power off a deployment",
    "valid": false,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.PowerOn",
    "name": "PowerOn",
    "displayName": "Power On",
    "description": "Power on a deployment",
    "valid": false,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.RebuildVMs",
    "name": "RebuildVMs",
    "displayName": "Rebuild VMs",
    "description": "Rebuild deployment's machine resources",
    "valid": false,
    "actionType": "RESOURCE_ACTION"
  },
  {
    "id": "Deployment.Update",
    "name": "Update",
    "displayName": "Update",
    "description": "Update a deployment",
    "valid": true,
    "actionType": "RESOURCE_ACTION"
  }
]

    {
      "zoneId": "77920060-e623-4cfc-8bda-4c53eaa6d914",
      "priority": 0,
      "maxNumberInstances": 0,
      "allocatedInstancesCount": 2,
      "memoryLimitMB": 0,
      "allocatedMemoryMB": 4096,
      "cpuLimit": 0,
      "allocatedCpu": 2,
      "storageLimitGB": 0,
      "allocatedStorageGB": 100.0,
      "id": "138e67b1-f4df-4fce-8967-a048b6faad41-77920060-e623-4cfc-8bda-4c53eaa6d914"
    }
  ],
  "constraints": {
    "network": [
      {
```

```
            "mandatory": false,
            "expression": "138e67b1-f4df-4fce-8967-a048b6faad41:default"
        },
        {
            "mandatory": false,
            "expression": "138e67b1-f4df-4fce-8967-a048b6faad41:internal-VPC"
        },
        {
            "mandatory": false,
            "expression": "138e67b1-f4df-4fce-8967-a048b6faad41:external-VPC"
        }
    ]
},
"operationTimeout": 0,
"machineNamingTemplate": "",
"sharedResources": true,
"placementPolicy": "DEFAULT",
"customProperties": {},
"name": "Wonseok_lim_project",
"description": "",
"id": "138e67b1-f4df-4fce-8967-a048b6faad41",
"organizationId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
"orgId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
"_links": {
    "self": {
        "href": "/iaas/api/projects/138e67b1-f4df-4fce-8967-a048b6faad41"
    }
}
}

}
```

6.10.3. Response codes

■ Normal: OK (200)

■ Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.11.   Specific Deployment Resource Action Detail Query

This operation is to query a specific deployment resource action's detailed information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/resources/{resource_id}/actions/{action_id}	GET	Get specific project information.

6.11.1.   Request

■ URI parameters

Name	Required	Type	Description

deployment_id	YES	String	UUID for deployment
resource_id	YES	String	UUID for resource
action_id	YES	String	Action ID

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIiubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaGl0bnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJjeWRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaGl0bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJvlMcbknwgcK8zG7K4DBrplEY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.11.2. Response

■ Response parameters

Name	Cardinality	Type	Description
id	1	String	Resource action ID
name	1	String	Resource action name
displayName	1	String	Resource action display name
description	1	String	Description
schema	1	Object	Details of resource action
type	1	String	Enum [“object”]
properties	1	Object	The properties of the resource action
properties have different attributes depending on the resource action			
required	0..1	Object	The required properties of the resource action
required have different attributes depending on the deployment resource			
valid	1	Boolean	
actionType	1	String	“RESOURCE_ACTION”

- JSON Response

```
{
  "id": "Deployment.ChangeOwner",
  "name": "ChangeOwner",
  "displayName": "Change Owner",
  "description": "Change owner of a deployment",
  "schema": {
    "type": "object",
    "title": "Change Owner",
    "description": "Request schema to change deployment owner",
    "properties": {
      "newOwner": {
        "type": "string",
        "title": "New Owner",
        "$data": "/data/change-owner?search&pageable"
      },
      "ownerType": {
        "type": "string",
        "title": "Owner Type",
        "enum": [
          "USER",
          "AD_GROUP"
        ],
        "default": "USER"
      }
    },
    "required": [
      "newOwner"
    ]
  },
  "valid": true,
  "actionType": "RESOURCE_ACTION"
}
```

6.11.3.   Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.12.   Execute Deployment Resource Action

This operation is to execute a deployment resource action for a specific deployment.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/resources/{resource_id}/requests	POST	Execute a deployment action for a specific deployment.

6.12.1. Request

■   URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment
resource_id	YES	String	UUID for deployment resource

■   Request parameters

Name	Required	Type	Description
actionId	YES	String	Action ID
inputs	YES	Object	Object of inputs
inputs would have different details depends on resource action			

■   JSON Request

```
{
    "actionId": "Cloud.vSphere.Machine.custom.changemachinedisplayname",
    "inputs": {
        "newDisplayName": "qwer"
    }
}
```

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■   Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJodHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQiOjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2QtMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuMDphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaWRcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYW1ub3Jldw6MmY3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDE5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwidXNlcm5hbWUiOiJtdHl1bnNvc2iLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0NWQtYzVhZC00Nzk3LWJjOTGtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82YmQzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJuYWwvMDJkZjEwODUtNzBhYS00ODFkLTlhN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIlyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRvbWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE5ZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaGl0bnNv2sifQ.Yro7M9OHLL0fLXRwLqnW_pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjGDhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cbrl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQEeKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.12.2. Response

- Response parameters

Name	Cardinality	Type	Description
id	1	String	Request ID
name	1	String	Resource action name
actionId	1	String	Action ID
deploymentId	1	String	Deployment ID
resourceIds	1	Array	Array of resource ID
< value >	1	String	Resource ID
inputs	0..1	Object	
inputs have different attributes depending on the resource action			
details	1	String	Request detail
requestedBy	1	String	Requester
totalTasks	1	Integer	Total number of task
completedTasks	1	Integer	Number of completed task
status	1	String	Enum ["PENDING", "SUCCESSFUL"]
createdAt	1	String	Created time
updatedAt	1	String	Updated time

- JSON Response

```
{
  "id": "7661d150-fd4d-46c5-9734-9774edb10348",
  "name": "Change Display Name",
  "requestedBy": "sophia",
  "actionId": "Cloud.vSphere.Machine.custom.changemachinedisplayname",
  "deploymentId": "38773013-5ea4-4c6b-92a9-c9f84e85ad27",
  "resourceIds": [
      "9db308d7-6623-4fbc-b0cc-01a111fb42a3"
  ],
  "inputs": {
      "newDisplayName": "qwer"
  },
  "status": "PENDING",
  "details": "Waiting to start execution",
  "createdAt": "2025-03-18T00:44:25.197237Z",
  "updatedAt": "2025-03-18T00:44:25.197237Z",
  "totalTasks": 1,
  "completedTasks": 0,
  "cancelable": true
}
```

6.12.3. Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

6.13. Specific Deployment Requests History Query

This operation is to query specific deployment requests history information.

URI	Method	Description
/deployment/api/deployments/{deployment_id}/requests	GET	Get specific deployment requests history information.

6.13.1. Request

■ URI parameters

Name	Required	Type	Description
deployment_id	YES	String	UUID for deployment

■ Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGltNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU04QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTAxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHI1bnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTQtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImVvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHI1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WIED6DI83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rI_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gl2_8ynvL2xQ

6.13.2. Response

■ Response parameters

Name	Cardinality	Type	Description

content	1..N	Array	Array of deployment request history
id	1	String	Request ID
name	1	String	Request name
actionId	1	String	Action ID
blueprintId	0..1	String	Blueprint ID
catalogItemId	0..1	String	Catalog item ID
deploymentId	1	String	Deployment ID
resourceIds	1	Array	Array of resource ID
< value >	1	String	Resource ID
inputs	0..1	Object	The object of inputs
inputs have different attributes depending on the resource action			
details	1	String	Request detail
requestedBy	1	String	Requester
totalTasks	1	Integer	Total number of task
completedTasks	1	Integer	Number of completed task
status	1	String	Enum ["SUCCESSFUL"]
createdAt	1	String	Created time
updatedAt	1	String	Updated time
approvedAt	1	String	Approved time
pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■   JSON Response

```json
{
  "content": [
    {
      "id": "23b3c0e4-5a01-43c3-b336-4a41b9f8a00c",
      "name": "Power On",
      "requestedBy": "sophia",
      "actionId": "Deployment.PowerOn",
      "deploymentId": "1a91dc80-59f9-48de-8db9-e07647b5126a",
      "resourceIds": [
        "4aa038fb-cfbc-4f48-b681-2338d0fee1c5"
      ],
      "status": "SUCCESSFUL",
      "details": "",
      "createdAt": "2025-03-17T12:51:07.530082Z",
      "updatedAt": "2025-03-17T12:51:20.056355Z",
      "approvedAt": "2025-03-17T12:51:13.445831Z",
      "totalTasks": 4,
      "completedTasks": 4
    },
    {
      "id": "54ab8746-3be2-416a-be00-3339f8d09502",
      "name": "Power Off",
      "requestedBy": "sophia",
      "actionId": "Deployment.PowerOff",
      "deploymentId": "1a91dc80-59f9-48de-8db9-e07647b5126a",
      "resourceIds": [
        "4aa038fb-cfbc-4f48-b681-2338d0fee1c5"
      ],
      "status": "SUCCESSFUL",
      "details": "",
      "createdAt": "2025-03-17T12:50:14.230310Z",
      "updatedAt": "2025-03-17T12:50:36.124140Z",
      "approvedAt": "2025-03-17T12:50:19.081387Z",
      "totalTasks": 4,
      "completedTasks": 4
    },
    {
      "id": "e834afe0-0213-4881-9518-d049f89c07c5",
      "name": "Change Owner",
      "requestedBy": "admin",
      "actionId": "Deployment.ChangeOwner",
      "deploymentId": "1a91dc80-59f9-48de-8db9-e07647b5126a",
      "resourceIds": [
        "163e969c-e46c-416c-878f-28e72a346e0e",
        "1a91dc80-59f9-48de-8db9-e07647b5126a",
        "4aa038fb-cfbc-4f48-b681-2338d0fee1c5"
      ],
      "inputs": {
        "newOwner": "hc.jang",
        "ownerType": "USER"
      },
      "status": "SUCCESSFUL",
      "details": "",
      "createdAt": "2025-03-02T13:48:31.204498Z",
      "updatedAt": "2025-03-02T13:48:50.355Z",
      "approvedAt": "2025-03-02T13:48:37.309630Z",
      "totalTasks": 6,
      "completedTasks": 6
    },
    {
      "id": "6379aad4-5093-44ac-a0e9-758af58aa558",
      "name": "Create",
      "requestedBy": "admin",
      "blueprintId": "4fbf5034-b65f-4a4a-b4ed-db13bb0925f9:20250217-v2",
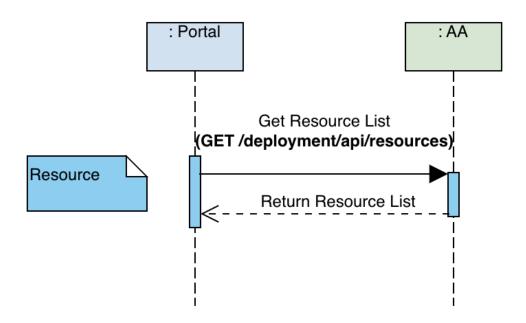```

```
      "catalogItemId": "2d9242ac-179f-3816-9df9-b6665913db2e:20250217-v2",
      "deploymentId": "1a91dc80-59f9-48de-8db9-e07647b5126a",
      "resourceIds": [
        "163e969c-e46c-416c-878f-28e72a346e0e",
        "4aa038fb-cfbc-4f48-b681-2338d0fee1c5"
      ],
      "inputs": {
        "vpc": "/provisioning/resources/network-profiles/7ae3df5a-bc49-490d-9e75-a22a727a5b3f",
        "image": "Ubuntu 24.04",
        "flavor": "small",
        "address": "*",
        "compute": "ecs-az1-cl1",
        "project": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "segment": "/resources/sub-networks/cfc36bd8-e8af-4c99-a3ad-9908a12e838e",
        "_user_id": "hc.jang",
        "diskSize": 0,
        "firewall": "-",
        "hostName": "qwer",
        "packages": [],
        "password": "((secret:v1:AAEUW8D9aMpATzADvHNJD0awbBzTwaNdcyW//53NTEf+NPMW))",
        "username": "hc.jang",
        "diskMount": "/data",
        "_project_id": "1fc1c86c-9ad3-4324-9cbd-f5d3f8b26e14",
        "_user_email": "hc.jang@etevers.com",
        "addressType": "variable",
        "description": null,
        "displayName": "qwer",
        "_base_folder": "FD-CLOUD-VM",
        "_sudoer_user": false,
        "_project_name": "vpy2nlyf",
        "placementZone": "/provisioning/resources/placement-zones/65268d0b-88b6-450d-8cfe-0824d8ec257a",
        "_root_password": "((secret:v1:AAEJ1viu2n39FLoXzHE8IrgffcUIOUEzwwpEoNEx4dDQpQClasu1nQ==))",
        "deploymentName": "VM: qwer.vpy2nlyf.cloud.esp.sdi",
        "requestMessage": "qwer\n\nDeployment Name : VM: qwer.vpy2nlyf.cloud.esp.sdi\nProject :
테스트 프로젝트 1\nRequest Message : qwer\nDisplay Name : qwer\nHost Name : qwer\nUsername :
hc.jang\nPassword : ******\nAvailability Zone : ECS 리전 가용성 지역 1번\nCompute Type : ECS 리전 가용성
지역 1번\nFlavor : CPU [1/1] MEM [2 GByte]\nOS Image : Ubuntu 24.04\nSoftware Packages : \nBootstrap
Scripts : \nVPC : 테스트 VPC 2\nSegment : 테스트 세그먼트 2\nIP Address : *\nIP Address Type :
Variable\nDistributed Firewalls : -\nAdditional Disk (GB) : 0\nMount : /data\nPersistence : False",
        "_admin_password": "((secret:v1:AAENg9hdXPkbFxYZoMN0Wp/wzyRfnOfHvZvUi+RfrXQSg3fXK6Hz++01psf0lw==))",
        "_admin_username": "cloody",
        "_project_domain": "vpy2nlyf.cloud.esp.sdi",
        "diskPersistence": false,
        "_catalogItemName": "Virtual Machine",
        "_package_upgrade": false,
        "bulkRequestCount": 1,
        "_dfw_tag_category": "dfwId",
        "_metadata_catalog": "VM",
        "_metadata_category": "VM",
        "_root_password_new": "((secret:v1:AAGidhw/9gEhEIlTg87TQ6Plq+np15snxDNvVPD4LueJYJIbuhkSlx6l/Uxjidaq))",
        "_segment_tag_value": "vpy2nlyf-hpfszi5b-brvbma8y",
        "_metadata_available": "bvp vpc member",
        "_compute_tag_category": "compute",
        "_segment_tag_category": "vpcSegId",
        "passwordField_a992d684": "qwer",
        "_metadata_resource_type": "Cloud.vSphere.Machine"
      },
      "status": "SUCCESSFUL",
      "details": "",
      "createdAt": "2025-03-02T13:45:34.201624Z",
```

```
        "updatedAt": "2025-03-02T13:48:30.881800Z",
        "approvedAt": "2025-03-02T13:45:43.530354Z",
        "totalTasks": 7,
        "completedTasks": 7
    }
],
"pageable": {
    "pageNumber": 0,
    "pageSize": 20,
    "sort": {
        "empty": false,
        "sorted": true,
        "unsorted": false
    },
    "offset": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 4,
"totalPages": 1,
"last": true,
"size": 20,
"number": 0,
"sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
},
"numberOfElements": 4,
"first": true,
"empty": false
}
```

6.13.3.   Response codes

- Normal: OK (200)

- Error: Identity Fault (400, 500, ...), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

7.   Resource Management

7.1.   Resource List Query

This operation is to query the catalog list.

URI	Method	Description
/deployment/api/resources	GET	Get all resource lists.

7.1.1.   Request

■   URI parameters

Name	Required	Type	Description
N/A			

■   Header parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

■ Header Request

Authorization:

Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFkM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRrIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MOjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS11c2VyLU4QmxteHVScmkiLCJzdWIiOiJwc29sYWIubG9jYWw6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFiLmxvY2FsIiwid
XNlcm5hbWUiOiJtdHJ1bnNvb2siLCJwZXJtcyI6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsdHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVtdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFjYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtdHJ1bnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPlJv1McbknwgcK8zG7K4DBrpIeY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6Dl83wJEWdBwHzW09eOxqsxQ-HFXIVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

7.1.2.   Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of resource
id	1	String	Resource ID
name	1	String	Resource name
type	1	String	Resource type. Enum ["Cloud.vSphere.Machine","Cloud.NSX.Network","Cloud.Vsphere.Disk","Cloud.SecurityGroup"]
properties	1..N	Object	The properties of the resource
id	1	String	
name	1	String	
resourceId	1	String	
resourceName	1	String	
endpointType	1	String	
endpointId	1	String	
externalId	1	String	
tags	1	Object	Object of self
key	1	Boolean	
value	1	Boolean	
account	1	Object	Object of self
accounts	1	Object	Object of self

< value >	1	Boolean	
region	1	String	Region name
providerId	1	String	Provider ID
securityGroupLink	1	String	if resource type is "Cloud.SecurityGroup",
rules	1	Array	if resource type is "Cloud.SecurityGroup",
independent	1	String	if resource type is "Cloud.vSphere.Disk",
origin	1	String	if resource type is "Cloud.vSphere.Disk",
sharesLevel	1	String	if resource type is "Cloud.vSphere.Disk",
vDiskId	1	String	if resource type is "Cloud.vSphere.Disk",
diskPlacementRef	1	String	if resource type is "Cloud.vSphere.Disk",
type	1	String	if resource type is "Cloud.vSphere.Disk",
shares	1	String	if resource type is "Cloud.vSphere.Disk",
zone	1	String	if resource type is "Cloud.vSphere.Disk",
hasSnapshots	1	String	if resource type is "Cloud.vSphere.Disk",
diskType	1	String	if resource type is "Cloud.vSphere.Disk",
persistent	1	Boolean	if resource type is "Cloud.vSphere.Disk",
facadeEndpointType	1	String	if resource type is "Cloud.vSphere.Disk",
diskFile	1	String	if resource type is "Cloud.vSphere.Disk",
componentType	1	String	if resource type is "Cloud.vSphere.Disk",
encrypted	1	Boolean	if resource type is "Cloud.vSphere.Disk",
provisioningType	1	String	if resource type is "Cloud.vSphere.Disk",
capacityGb	1	Integer	if resource type is "Cloud.vSphere.Disk",
vm	1	String	if resource type is "Cloud.vSphere.Disk",
limitIops	1	String	if resource type is "Cloud.vSphere.Disk",
vmFolderPath	1	String	if resource type is "Cloud.vSphere.Disk",
status	1	String	if resource type is "Cloud.vSphere.Disk",
vcUuid	1	String	if resource type is "Cloud.vSphere.Disk",
networkCidr	1	String	if resource type is "Cloud.NSX.Network",
defaultForZone	1	Boolean	if resource type is "Cloud.NSX.Network",
supportPublicIpAddress	1	Boolean	if resource type is "Cloud.NSX.Network",
gateway	1	String	if resource type is "Cloud.NSX.Network",
hostName	1	String	if resource type is "Cloud.vSphere.Machine",
moref	1	String	if resource type is "Cloud.vSphere.Machine",
storage	1	Object	if resource type is "Cloud.vSphere.Machine",
disks	1	Array	
endpointType	1	String	
independent	1	String	Enum ["true", "false"]
sharesLevel	1	String	
diskPlacementRef	1	String	
controllerKey	1	String	
type	1	String	
shares	1	String	
encrypted	1	Boolean	

bootOrder	1	Integer	
provisioningType	1	String	Enum ["thick", "thin"]
capacityGb	1	Integer	
vm	1	String	
limitIops	1	String	
name	1	String	
controllerUnitNumber	1	String	
existingResource	1	String	Enum ["true", "false"]
resourceLink	1	String	
persistent	1	Boolean	
vmFolderPath	1	String	
vcUuid	1	String	
diskFile	1	String	
networks	1	Object	if resource type is "Cloud.vSphere.Machine",
id	1	String	
name	1	String	
resourceName	1	String	
address	1	String	
mac_address	1	String	
external_id	1	String	
assignment	1	String	
assignPublicIpAddress	1	Boolean	
ipv6Addresses	1	Array	
< value >	1	String	IPv6 IP Address
deviceIndex	1	Integer	
networks	1	Object	if resource type is "Cloud.vSphere.Machine",
powerState	1	String	Enum ["ON", "OFF"]
areVMActionsDisabled	1	String	Enum ["true", "false"]
zone	1	String	
environmentName	1	String	
hasSnapshots	1	String	Enum ["true", "false"]
osType	1	String	Enum ["WINDOWS", "LINUX"]
instanceUUID	1	String	
computeHostType	1	String	
memoryGB	1	String	
facadeEndpointType	1	String	
cpuCount	1	Integer	
totalMemoryMB	1	Integer	
syncStatus	1	String	Enum ["SUCCESS"]
origin	1	String	Enum ["DISCOVERED"]
createdAt	1	String	Created time
projectId	1	String	Project ID
deploymentId	1	String	Deployment ID

orgId	1	String	Organization ID
billable	1	Boolean	
_links	1	Object	Link Information
self	1	Object	Object of self
href	1	String	URI for this resource
pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	Total pages
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

- ■ JSON Response

```
{
  "content": [
    {
      "id": "3bdc3c16-9cdc-4e63-bb92-3e1655739393",
      "name": "zabbix.vcf-demo.sddc.lab-boot-disk",
      "type": "Cloud.vSphere.Disk",
      "properties": {
        "resourceId": "3bdc3c16-9cdc-4e63-bb92-3e1655739393",
        "projectAuthLink": "/provisioning/resources/projects/3b8df3a7-600e-47d7-bcc1-99229d36a121",
        "independent": "false",
        "ownerAuthLink": "/owner/provisioning/auth/csp/users/linyong",
        "origin": "DEPLOYED",
        "sharesLevel": "normal",
        "diskPlacementRef": "Datastore:datastore-18",
        "type": "HDD",
        "shares": "1000",
        "zone": "ClusterComputeResource:domain-c8",
        "bootOrder": 1,
        "providerId": "6691-2000",
        "id": "/resources/disks/3bdc3c16-9cdc-4e63-bb92-3e1655739393",
```

```json
        "persistent": false,
                                                "diskFile":      "[cxs-w01-vcsa02-cxs-w01-vsan01]
4675d167-3810-b759-9220-5c6f69558590/zabbix.vcf-demo.sddc.lab.vmdk",
        "componentType": "Cloud.vSphere.Disk",
        "endpointType": "vsphere",
        "endpointId": "b0519c9a-9139-4916-a5a9-f16367d0ff64",
        "externalId": "6691-2000",
        "resourceName": "zabbix.vcf-demo.sddc.lab-boot-disk",
        "encrypted": false,
        "provisioningType": "thin",
        "capacityGb": 50,
        "vm": "VirtualMachine:vm-20028",
        "limitIops": "-1",
        "name": "boot-disk",
        "accounts": [
           "vcsa02.sddc.lab"
        ],
        "region": "Datacenter:datacenter-3",
       "vmFolderPath": "[cxs-w01-vcsa02-cxs-w01-vsan01] 4675d167-3810-b759-9220-5c6f69558590",
        "account": "vcsa02.sddc.lab",
        "status": "ATTACHED",
        "vcUuid": "75b1fd85-97a6-4fef-a1b4-dcf66763614c"
     },
     "createdAt": "2025-03-12T11:54:39.480Z",
     "syncStatus": "SUCCESS",
     "origin": "DEPLOYED",
     "projectId": "3b8df3a7-600e-47d7-bcc1-99229d36a121",
     "orgId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
     "billable": false
  },
  {
     "id": "42be8b87-995f-462d-8420-26bbf12bfbfd",
     "name": "CD/DVD drive 1",
     "type": "Cloud.vSphere.Disk",
     "properties": {
        "resourceId": "42be8b87-995f-462d-8420-26bbf12bfbfd",
        "projectAuthLink": "/provisioning/resources/projects/3b8df3a7-600e-47d7-bcc1-99229d36a121",
        "ownerAuthLink": "/owner/provisioning/auth/csp/users/linyong",
        "origin": "DEPLOYED",
        "type": "CDROM",
        "providerId": "53350767-e682-4bc1-a34c-361ee77a0b10",
        "id": "/resources/disks/42be8b87-995f-462d-8420-26bbf12bfbfd",
        "persistent": false,
                                                "diskFile":      "[cxs-w01-vcsa02-cxs-w01-vsan01]
4675d167-3810-b759-9220-5c6f69558590/_ovfenv-zabbix.vcf-demo.sddc.lab.iso",
        "componentType": "Cloud.vSphere.Disk",
        "endpointType": "vsphere",
        "endpointId": "b0519c9a-9139-4916-a5a9-f16367d0ff64",
        "externalId": "53350767-e682-4bc1-a34c-361ee77a0b10",
        "resourceName": "CD/DVD drive 1",
        "encrypted": false,
        "capacityGb": 0,
        "vm": "VirtualMachine:vm-20028",
        "name": "CD/DVD drive 1",
        "accounts": [
           "vcsa02.sddc.lab"
        ],
        "region": "Datacenter:datacenter-3",
        "vmFolderPath": "[cxs-w01-vcsa02-cxs-w01-vsan01] 4675d167-3810-b759-9220-5c6f69558590",
        "account": "vcsa02.sddc.lab",
        "status": "ATTACHED",
        "vcUuid": "75b1fd85-97a6-4fef-a1b4-dcf66763614c"
     },
     "createdAt": "2025-03-12T11:51:48.458Z",
```

```
        "syncStatus": "SUCCESS",
        "origin": "DEPLOYED",
        "projectId": "3b8df3a7-600e-47d7-bcc1-99229d36a121",
        "orgId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
        "billable": false
    },
    {
        "id": "3f8e9dda-e18b-4211-993c-e10652b981f9",
        "name": "zabbix.vcf-demo.sddc.lab",
        "type": "Cloud.vSphere.Machine",
        "properties": {
            "resourceId": "3f8e9dda-e18b-4211-993c-e10652b981f9",
            "zone_overlapping_migrated": "true",
            "dns_creation_status": "true",
            "moref": "VirtualMachine:vm-20028",
            "migrationMessage": "",
            "project": "3b8df3a7-600e-47d7-bcc1-99229d36a121",
            "constraints": [
                {
                    "tag": "compute:AZ#01-VIWLD01"
                }
            ],
            "powerState": "ON",
            "zone": "w01-cl01",
            "environmentName": "On premise",
            "hasSnapshots": "false",
            "computeHostType": "ClusterComputeResource",
            "migrationStatus": "SUCCESS",
            "id": "/resources/compute/3f8e9dda-e18b-4211-993c-e10652b981f9",
            "memoryGB": "4",
            "cpuCount": 2,
            "isSimulate": "false",
            "totalMemoryMB": 4096,
            "image": "OS-CENTOS-79",
            "endpointType": "vsphere",
            "resourceName": "zabbix.vcf-demo.sddc.lab",
            "cloneFromImage": "TEMP-VRA-CENTOS-79",
            "tags": [],
            "flavor": "medium",
            "softwareName": "CentOS 7 (64-bit)",
            "name": "zabbix.vcf-demo.sddc.lab",
            "region": "cxs-w01-DC",
            "neglectPowerOffVms": "false",
            "hostName": "zabbix.cloudready.local",
            "cloudConfig": "#cloud-config\nusers:\n- name: linyong\n  sudo: ALL=(ALL) NOPASSWD:ALL\n
shell: /bin/bash\n  groups:\n  - adm\n  - sudo\n  - wheel\n  - users\n  lock_passwd: false\nchpasswd:\n  list:
|\n          linyong:((secret:v1:AAG/iNayqlZaYEN44R3mqaxNL2dx5UkCvInLOwYhoOAOEC4DcPxCwg==))\n
expire:      false\nssh_pwauth:      true\npackage_update:      false\npackage_upgrade:      false\npackages:
[]\nruncmd:\n- mount -a\n- echo \"\" | base64 -d | tee /opt/init.sh\n- chmod 755 /opt/init.sh\n- /opt/init.sh
2>&1 | tee -a /tmp/scripts.log\n- rm -rf /opt/init.sh\n- systemctl restart sshd\n",
            "dns_creation_name": "zabbix.vcf-demo.sddc.lab",
            "storage": {
                "disks": [
                    {
                        "endpointType": "vsphere",
                        "independent": "false",
                        "sharesLevel": "normal",
                        "diskPlacementRef": "Datastore:datastore-18",
                        "controllerKey": "1000",
                        "type": "HDD",
                        "shares": "1000",
                        "encrypted": false,
                        "bootOrder": 1,
                        "provisioningType": "thin",
```

```
                    "capacityGb": 50,
                    "vm": "VirtualMachine:vm-20028",
                    "limitIops": "-1",
                    "name": "zabbix.vcf-demo.sddc.lab-boot-disk",
                    "controllerUnitNumber": "0",
                    "existingResource": "false",
                    "resourceLink": "/resources/disks/3bdc3c16-9cdc-4e63-bb92-3e1655739393",
                    "persistent": false,
                                                            "vmFolderPath":    "[cxs-w01-vcsa02-cxs-w01-vsan01]
4675d167-3810-b759-9220-5c6f69558590",
                    "vcUuid": "75b1fd85-97a6-4fef-a1b4-dcf66763614c",
                                                                "diskFile":    "[cxs-w01-vcsa02-cxs-w01-vsan01]
4675d167-3810-b759-9220-5c6f69558590/zabbix.vcf-demo.sddc.lab.vmdk"
                },
                {
                    "endpointType": "vsphere",
                    "controllerKey": "15000",
                    "type": "CDROM",
                    "encrypted": false,
                    "capacityGb": 0,
                    "vm": "VirtualMachine:vm-20028",
                    "name": "CD/DVD drive 1",
                    "controllerUnitNumber": "0",
                    "existingResource": "false",
                    "resourceLink": "/resources/disks/42be8b87-995f-462d-8420-26bbf12bfbfd",
                    "persistent": false,
                                                            "vmFolderPath":    "[cxs-w01-vcsa02-cxs-w01-vsan01]
4675d167-3810-b759-9220-5c6f69558590",
                    "vcUuid": "75b1fd85-97a6-4fef-a1b4-dcf66763614c",
                                                                "diskFile":    "[cxs-w01-vcsa02-cxs-w01-vsan01]
4675d167-3810-b759-9220-5c6f69558590/_ovfenv-zabbix.vcf-demo.sddc.lab.iso"
                }
            ]
        },
        "networks": [
            {
                "gateways": "172.20.11.1",
                "address": "172.20.11.9",
                "assignment": "static",
                "dns": [
                    "172.20.10.8"
                ],
                "resourceName": "cxs-w01-vcsa02--vds01-management-DVPG",
                "ipv6Addresses": [
                    "fe80::250:56ff:fea5:328c"
                ],
                "deviceIndex": 0,
                                                                            "network":
"/provisioning/resources/compute-networks/840fec25-083d-4b0b-a423-7fbd781e594d",
                "netmask": "255.255.255.0",
                "mac_address": "00:50:56:a5:32:8c",
                "domain": "cloudready.local",
                "name": "cxs-w01-vcsa02--vds01-management-DVPG",
                "securityGroups": [],
                "id": "/resources/network-interfaces/365e3f5c-e12a-4385-a9b7-0b7d3d9455fb",
                "gateway": "172.20.11.1",
                "dnsSearchDomains": [
                    "cloudready.local"
                ]
            }
        ],
        "areVMActionsDisabled": "false",
        "providerId": "50257f97-9d8f-d2f9-10f3-85c24a4068ab",
        "osType": "LINUX",
```

```
            "instanceUUID": "50257f97-9d8f-d2f9-10f3-85c24a4068ab",
            "componentType": "Cloud.vSphere.Machine",
            "address": "172.20.11.9",
            "resourceGroupName": "Automation_VMs",
            "endpointId": "b0519c9a-9139-4916-a5a9-f16367d0ff64",
            "externalId": "50257f97-9d8f-d2f9-10f3-85c24a4068ab",
            "datacenter": "Datacenter:datacenter-3",
            "datastoreName": "cxs-w01-vcsa02-cxs-w01-vsan01",
            "coreCount": "1",
            "primaryMAC": "00:50:56:a5:32:8c",
            "computeHostRef": "ClusterComputeResource:domain-c8",
            "snapshotCount": "0",
            "accounts": [
               "vcsa02.sddc.lab"
            ],
            "flavorMappingName": "medium",
            "vmFolderPath": "[cxs-w01-vcsa02-cxs-w01-vsan01] 4675d167-3810-b759-9220-5c6f69558590",
            "account": "vcsa02.sddc.lab",
            "vcUuid": "75b1fd85-97a6-4fef-a1b4-dcf66763614c"
         },
         "createdAt": "2025-03-12T11:50:10.234687Z",
         "syncStatus": "SUCCESS",
         "origin": "DEPLOYED",
         "deploymentId": "a22c484c-bffc-4d59-b85b-9c2bdd2cd8f6",
         "projectId": "3b8df3a7-600e-47d7-bcc1-99229d36a121",
         "orgId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
         "billable": true
      }
   ],
   "pageable": {
      "pageNumber": 0,
      "pageSize": 20,
      "sort": {
         "empty": false,
         "sorted": true,
         "unsorted": false
      },
      "offset": 0,
      "paged": true,
      "unpaged": false
   },
   "last": false,
   "totalElements": 1305,
   "totalPages": 66,
   "size": 20,
   "number": 0,
   "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
   },
   "first": true,
   "numberOfElements": 20,
   "empty": false
}
```

7.1.3. Response codes

- Normal: OK (200)
- Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)

7.2.   Resource List by Type Query

This operation is to query the resource list by resource type.

URI	Method	Description
/deployment/api/resources	GET	Get all resource lists by resource type.

7.2.1.   Request

- URI parameters

Name	Required	Type	Description
N/A			

- Query parameters

Name	Required	Type	Description
resourceTypes	YES	String	Resource types. Enum[“Custom.Deployment”, “Custom.VPC”, “Custom.Project”, “Custom.NSX.Peer”, “Custom.Kubernetes”, “Cloud.vSphere.Machine”, “Cloud.vSphere.Disk”, “Cloud.NSX.Gateway”, “Cloud.NSX.Network”, “Cloud.NSX.LoadBalancer”, “Cloud.SecurityGroup”, “Cloud.Tanzu.Cluster”]
origin	NO	String	Origination of resources. Enum[“Deployed”, “Discovered”]

- Header Parameters

Name	Required	Type	Description
Authorization	YES	String	A valid access token for an administrative user.

- Header Request

Authorization: Bearer

eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6IjEwMDQyMTQ5ODAxMjA3NDE3MTUzIn0.eyJpc3MiOiJ
odHRwOi8vaWRlbnRpdHktc2VydmljZS5wcmVsdWRlLnN2Yy5jbHVzdGVyLmxvY2FsOjgwMDAiLCJpYXQi
OjE3MjkyMTM2MDEsImV4cCI6MTcyOTI0MjQwMSwianRpIjoiNGYzZDMyZGItNmU4Mi00OTE2LWFmM2Q
tMTYyYWRjNDVlNmQzIiwiY29udGV4dCI6Ilt7XCJtdGRcIjpcInVybjpvYXNpczpuYW1lczp0YzpTQU1MMjIuM
DphYzpjbGFzc2VzOlBhc3N3b3JkUHJvdGVjdGVkVHJhbnNwb3J0XCIsXCJpYXRcIjoxNzI5MjEzNjAxLFwiaW
RcIjoxNX1dIiwiYXpwIjoicHJlbHVkZS1lc2VydLU04QmxteHVScmkiLCJzdWIiOiJwc29sWIubG9jYWx6MmY
3MWMxZTgtOTQxNS00YmQxLWI0OTYtMDI5YTBkN2Y5M2NmIiwiZG9tYWluIjoicHNvbGFsLmxvY2FsIiwid
XNlcm5hbWUiOiJtaHlbnNvb2siLCJwZXJtcyl6WyJjc3A6b3JnX293bmVyIiwiZXh0ZXJuYWwvYjQ3MTk0N
WQtYzVhZC00Nzk3LWJjOTgtMWMzOGQxMzAwZWYxL2NhdGFsb2c6YWRtaW4iLCJleHRlcm5hbC82Ym
QzYTczOS0yMDNmLTRiMTYtOThiOC00NmUzMDgzM2EwOGEvc2FsbHN0YWNrOmFkbWluIiwiZXh0ZXJ
uYWwvMDJkZjEwODUtNzBhYS00ODFkLThlN2UtZjU0MWQ0OTUyMDQyL0NvZGVTdHJlYW06YWRtaW5
pc3RyYXRvciIsImV4dGVybmFsL2FmY2Y5MWFiLTE5Y2UtNDIyMi04YjBiLWE4MTQ2NWJiMzk2OC9hdXRv
bWF0aW9uc2VydmljZTpjbG91ZF9hZG1pbiIsImV4dGVybmFsL2NhY2Y5NmZkLWFiYjAtNGY3OC1iMzBiLTA
5Y2Y4NDdmYjk5Yy9vcmNoZXN0cmF0aW9uOmFkbWluIl0sImNvbnRleHRfbmFtZSI6IjE2NGNiZmM4LTE
zZTUtNGFjMS04YmIzLWE0N2RlY2RkOGIyNyIsImFjY3QiOiJtaHllbnNvb2sifQ.Yro7M9OHLL0fLXRwLqnW_
pCxQV5tZBKRpC7zfBoPIJv1McbknwgcK8zG7K4DBrpleY-dTi2hHRd-CbmIwx-cuN080nU6AiYTlt377xHLjG
DhV5Zh7M3WfJRP5WlED6DI83wJEWdBwHzW09eOxqsxQ-HFXlVfbUqxCNyL5sogTJkliuCjkB6mW7o3Cb
rl_rdL_59G38kH-Vmmvet4WppTzLFhMsUF1ilHy262_JkANXPpmwgV4rSG999GuueqpyTB9SE5sGc2GLQE
eKaWoQqykbFTtnHB-eZHqZCwyRG8ShsZCl5iRoT3xEIBQC4xz1UDi2ob8TKFS8gI2_8ynvL2xQ

7.2.2. Response

■ Response parameters

Name	Cardinality	Type	Description
content	1..N	Array	Array of resource
id	1	String	Resource ID
name	1	String	Resource name
type	1	String	Resource type. Enum ["Cloud.vSphere.Machine","Cloud.NSX.Network","Cloud.Vsphere.Disk","Cloud.SecurityGroup"]
properties	1..N	Object	The properties of the resource
id	1	String	
name	1	String	
resourceId	1	String	
resourceName	1	String	
endpointType	1	String	
endpointId	1	String	
externalId	1	String	
tags	1	Object	Object of self
key	1	Boolean	
value	1	Boolean	
account	1	Object	Object of self
accounts	1	Object	Object of self
< value >	1	Boolean	
region	1	String	Region name
providerId	1	String	Provider ID

securityGroupLink	1	String	if resource type is "Cloud.SecurityGroup",
rules	1	Array	if resource type is "Cloud.SecurityGroup",
independent	1	String	if resource type is "Cloud.vSphere.Disk",
origin	1	String	if resource type is "Cloud.vSphere.Disk",
sharesLevel	1	String	if resource type is "Cloud.vSphere.Disk",
vDiskId	1	String	if resource type is "Cloud.vSphere.Disk",
diskPlacementRef	1	String	if resource type is "Cloud.vSphere.Disk",
type	1	String	if resource type is "Cloud.vSphere.Disk",
shares	1	String	if resource type is "Cloud.vSphere.Disk",
zone	1	String	if resource type is "Cloud.vSphere.Disk",
hasSnapshots	1	String	if resource type is "Cloud.vSphere.Disk",
diskType	1	String	if resource type is "Cloud.vSphere.Disk",
persistent	1	Boolean	if resource type is "Cloud.vSphere.Disk",
facadeEndpointType	1	String	if resource type is "Cloud.vSphere.Disk",
diskFile	1	String	if resource type is "Cloud.vSphere.Disk",
componentType	1	String	if resource type is "Cloud.vSphere.Disk",
encrypted	1	Boolean	if resource type is "Cloud.vSphere.Disk",
provisioningType	1	String	if resource type is "Cloud.vSphere.Disk",
capacityGb	1	Integer	if resource type is "Cloud.vSphere.Disk",
vm	1	String	if resource type is "Cloud.vSphere.Disk",
limitIops	1	String	if resource type is "Cloud.vSphere.Disk",
vmFolderPath	1	String	if resource type is "Cloud.vSphere.Disk",
status	1	String	if resource type is "Cloud.vSphere.Disk",
vcUuid	1	String	if resource type is "Cloud.vSphere.Disk",
networkCidr	1	String	if resource type is "Cloud.NSX.Network",
defaultForZone	1	Boolean	if resource type is "Cloud.NSX.Network",
supportPublicIpAddress	1	Boolean	if resource type is "Cloud.NSX.Network",
gateway	1	String	if resource type is "Cloud.NSX.Network",
hostName	1	String	if resource type is "Cloud.vSphere.Machine",
moref	1	String	if resource type is "Cloud.vSphere.Machine",
storage	1	Object	if resource type is "Cloud.vSphere.Machine",
disks	1	Array	
endpointType	1	String	
independent	1	String	Enum ["true", "false"]
sharesLevel	1	String	
diskPlacementRef	1	String	
controllerKey	1	String	
type	1	String	
shares	1	String	
encrypted	1	Boolean	
bootOrder	1	Integer	
provisioningType	1	String	Enum ["thick", "thin"]
capacityGb	1	Integer	

vm	1	String	
limitIops	1	String	
name	1	String	
controllerUnitNumber	1	String	
existingResource	1	String	Enum ["true", "false"]
resourceLink	1	String	
persistent	1	Boolean	
vmFolderPath	1	String	
vcUuid	1	String	
diskFile	1	String	
networks	1	Object	if resource type is "Cloud.vSphere.Machine",
id	1	String	
name	1	String	
resourceName	1	String	
address	1	String	
mac_address	1	String	
external_id	1	String	
assignment	1	String	
assignPublicIpAddress	1	Boolean	
ipv6Addresses	1	Array	
< value >	1	String	IPv6 IP Address
deviceIndex	1	Integer	
networks	1	Object	if resource type is "Cloud.vSphere.Machine",
powerState	1	String	Enum ["ON", "OFF"]
areVMActionsDisabled	1	String	Enum ["true", "false"]
zone	1	String	
environmentName	1	String	
hasSnapshots	1	String	Enum ["true", "false"]
osType	1	String	Enum ["WINDOWS", "LINUX"]
instanceUUID	1	String	
computeHostType	1	String	
memoryGB	1	String	
facadeEndpointType	1	String	
cpuCount	1	Integer	
totalMemoryMB	1	Integer	
syncStatus	1	String	Enum ["SUCCESS"]
origin	1	String	Enum ["DISCOVERED"]
createdAt	1	String	Created time
projectId	1	String	Project ID
deploymentId	1	String	Deployment ID
orgId	1	String	Organization ID
billable	1	Boolean	
_links	1	Object	Link Information

self	1	Object	Object of self
href	1	String	URI for this resource
pageable	1	Object	Object of paging information
pageNumber	1	Integer	Page number
pageSize	1	Integer	Size of page
sort	1	Object	Object of sorting information
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
offset	1	Integer	
paged	1	Boolean	
unpaged	1	Boolean	
totalPages	1	Integer	Total pages
last	1	Boolean	
size	1	Integer	
number	1	Integer	
sort	1	Object	
empty	1	Boolean	
sorted	1	Boolean	
unsorted	1	Boolean	
first	1	Boolean	
empty	1	Boolean	
totalElements	1	Integer	Total elements of content
numberOfElements	1	Integer	Number of element for list

■ JSON Response

```
{
  "content": [
    {
      "id": "fb560dc9-f54d-3048-9607-971c91ed886c",
      "name": "test1-smfr2",
      "type": "Cloud.vSphere.Machine",
      "properties": {
        "hostName": "test1-smfr2",
        "resourceId": "fb560dc9-f54d-3048-9607-971c91ed886c",
        "moref": "VirtualMachine:vm-2033",
        "storage": {
          "disks": [
            {
              "endpointType": "vsphere",
              "independent": "false",
              "sharesLevel": "normal",
              "diskPlacementRef": "Datastore:datastore-14",
              "controllerKey": "1000",
              "type": "HDD",
              "shares": "1000",
              "encrypted": false,
```

```
            "bootOrder": 1,
            "provisioningType": "thin",
            "capacityGb": 50,
            "vm": "VirtualMachine:vm-2033",
            "limitIops": "-1",
            "name": "Hard disk 1",
            "controllerUnitNumber": "0",
            "existingResource": "false",
            "resourceLink": "/resources/disks/cc5e3bba-ab34-3bea-8869-d1dd876af0a2",
            "persistent": false,
            "vmFolderPath": "[DS-VSAN] b6ced367-84d8-93c1-5429-043201d77850",
            "vcUuid": "915345f0-e57e-4209-8d73-2020da679534",
            "diskFile": "[DS-VSAN] b6ced367-84d8-93c1-5429-043201d77850/test1-smfr2.vmdk"
        },
        {
            "endpointType": "vsphere",
            "independent": "false",
            "sharesLevel": "normal",
            "vDiskId": "669a2d73-fca2-4216-879c-046467844ef6",
            "diskPlacementRef": "Datastore:datastore-14",
            "controllerKey": "1000",
            "type": "HDD",
            "shares": "1000",
            "encrypted": false,
            "provisioningType": "thin",
            "capacityGb": 0,
            "vm": "VirtualMachine:vm-2033",
            "limitIops": "-1",
            "name": "pvc-d58ab218-eb2a-4e25-b9bd-c527ecf37f9f",
            "controllerUnitNumber": "1",
            "existingResource": "false",
            "resourceLink": "/resources/disks/47d3c6a6-e545-38e3-928b-78db15a61aea",
            "diskType": "firstClass",
            "persistent": true,
            "vmFolderPath": "[DS-VSAN] b6ced367-84d8-93c1-5429-043201d77850",
            "vcUuid": "915345f0-e57e-4209-8d73-2020da679534",
                                                          "diskFile":    "[DS-VSAN]
ae528f67-b254-2166-f601-043201d74fe0/4f752c78075a47f7a67de78742ea988e.vmdk"
        },
        {
            "endpointType": "vsphere",
            "independent": "false",
            "sharesLevel": "normal",
            "vDiskId": "4d8a2931-432a-42fd-a84f-a7528daa3843",
            "diskPlacementRef": "Datastore:datastore-14",
            "controllerKey": "1000",
            "type": "HDD",
            "shares": "1000",
            "encrypted": false,
            "provisioningType": "thin",
            "capacityGb": 60,
            "vm": "VirtualMachine:vm-2033",
            "limitIops": "-1",
            "name": "pvc-8137c5b7-5603-4a49-8792-308f8ef32f95",
            "controllerUnitNumber": "2",
            "existingResource": "false",
```

```
        "resourceLink": "/resources/disks/73410918-7adb-33f6-853a-1f2f65855819",
        "diskType": "firstClass",
        "persistent": true,
        "vmFolderPath": "[DS-VSAN] b6ced367-84d8-93c1-5429-043201d77850",
        "vcUuid": "915345f0-e57e-4209-8d73-2020da679534",
                                                                "diskFile": "[DS-VSAN]
ae528f67-b254-2166-f601-043201d74fe0/c0b48c2a46054932b188783f055f47bf.vmdk"
      }
    ]
  },
  "networks": [
    {
      "address": "172.22.131.11",
      "assignPublicIpAddress": false,
      "assignment": "dynamic",
      "mac_address": "00:50:56:b2:b4:d0",
      "name": "Network adapter 1",
      "resourceName": "Network adapter 1",
      "external_id": "fc515cfb-40fa-453c-a43b-f3e05bc4aa11",
      "id": "/resources/network-interfaces/18139136-1d8f-30cc-90fc-2dd494428dbd",
      "ipv6Addresses": [
        "fe80::250:56ff:feb2:b4d0"
      ],
      "deviceIndex": 0
    }
  ],
  "powerState": "ON",
  "areVMActionsDisabled": "false",
  "zone": "CL1 / RP-DSM-DB",
  "environmentName": "On premise",
  "providerId": "20ae2e24-7556-4889-97a1-8fe07f762347",
  "hasSnapshots": "false",
  "osType": "LINUX",
  "instanceUUID": "20ae2e24-7556-4889-97a1-8fe07f762347",
  "computeHostType": "ResourcePool",
  "id": "/resources/compute/fb560dc9-f54d-3048-9607-971c91ed886c",
  "memoryGB": "8",
  "facadeEndpointType": "vcf",
  "cpuCount": 4,
  "totalMemoryMB": 8192,
  "componentType": "Cloud.vSphere.Machine",
  "endpointType": "vsphere",
  "address": "172.22.131.11",
  "endpointId": "f72a4740-a5ce-4047-95d4-3cbb230717e0",
  "externalId": "20ae2e24-7556-4889-97a1-8fe07f762347",
  "resourceName": "test1-smfr2",
  "datacenter": "Datacenter:datacenter-3",
  "datastoreName": "DS-VSAN",
  "coreCount": "4",
  "tags": [
    {
      "value": "postgres",
      "key": "dsm.vmware.com/data-service-type"
    },
    {
      "value": "dsm-vm",
```

```
              "key": "dsm.vmware.com/dsm-resource"
            },
            {
              "value": "test1",
              "key": "dsm.vmware.com/data-service-name"
            },
            {
              "value": "az1-cl1-db-basic",
              "key": "dsm.vmware.com/infra-policy"
            },
            {
              "value": "pg-default",
              "key": "dsm.vmware.com/data-service-namespace"
            }
          ],
          "primaryMAC": "00:50:56:b2:b4:d0",
          "computeHostRef": "ResourcePool:resgroup-2029",
          "softwareName": "VMware Photon OS (64-bit)",
          "snapshotCount": "0",
          "name": "test1-smfr2",
          "accounts": [
              "ecs-az1-vcsa1-az1.sys.sdi"
          ],
          "region": "AZ1",
          "vmFolderPath": "[DS-VSAN] b6ced367-84d8-93c1-5429-043201d77850",
          "account": "ecs-az1-vcsa1-az1.sys.sdi",
          "vcUuid": "915345f0-e57e-4209-8d73-2020da679534"
        },
        "createdAt": "2025-03-14T06:40:35.756Z",
        "syncStatus": "SUCCESS",
        "origin": "DISCOVERED",
        "orgId": "72289d0c-8e6c-4825-ad70-89208f5c1e75",
        "billable": false
      },
      …
    ],
    "pageable": {
      "pageNumber": 0,
      "pageSize": 20,
      "sort": {
        "empty": false,
        "sorted": true,
        "unsorted": false
      },
      "offset": 0,
      "paged": true,
      "unpaged": false
    },
    "totalElements": 40,
    "totalPages": 2,
    "last": false,
    "size": 20,
    "number": 0,
    "sort": {
      "empty": false,
      "sorted": true,
```

```
      "unsorted": false
    },
    "numberOfElements": 20,
    "first": true,
    "empty": false
}

        "constraints": {
          "network": [
            {
              "mandatory": false,
              "expression": "138e67b1-f4df-4fce-8967-a048b6faad41:default"
            },
            {
              "mandatory": false,
              "expression": "138e67b1-f4df-4fce-8967-a048b6faad41:internal-VPC"
            },
            {
              "mandatory": false,
              "expression": "138e67b1-f4df-4fce-8967-a048b6faad41:external-VPC"
            }
          ]
        },
        "operationTimeout": 0,
        "machineNamingTemplate": "",
        "sharedResources": true,
        "placementPolicy": "DEFAULT",
        "customProperties": {},
        "name": "Wonseok_lim_project",
        "description": "",
        "id": "138e67b1-f4df-4fce-8967-a048b6faad41",
        "organizationId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
        "orgId": "164cbfc8-13e5-4ac1-8bb3-a47decdd8b27",
        "_links": {
          "self": {
            "href": "/iaas/api/projects/138e67b1-f4df-4fce-8967-a048b6faad41"
          }
        }
      }
    ],
    "totalElements": 1,
    "numberOfElements": 1
}
```

7.2.3.   Response codes

■   Normal: OK (200)

■   Error: Identity Fault (400, 500, …), Service Unavailable (503), Bad Request (400), Unauthorized (401), Forbidden (403), Bad Method (405), Over Limit (413), Not Found (404)