

Organization Endpoints

List Organizations

Returns all Organizations.

GET

/organizations

Request Parameters

Name	Description	Param Type	Data Type	Required
name	Name or portion of name you would like to use for searching/filtering.	Search Query	String	False
show_deleted	Filters organization results based on if they're deleted or not. This is useful for filtering out older deleted organizations.	Search Query	Boolean	False
order	Specifies the order of the results. Use "asc" for ascending order, and "desc" for descending order.	Search Query	String	False
order_by	Specifies the field of which the ordering should occur. For example, "name", "url_slug", etc.	Search Query	String	False
offset	Used to specify where to start a query.	Search Query	Integer (String)	False

Name	Description	Param Type	Data Type	Required
limit	Used to specify the “page size” of the query.	Search Query	Integer (String)	False

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations?show_deleted=false"
```

Response Example

```
[  
  {  
    "description": null,  
    "id": "aa49ea9a-3925-4f6f-86e4-6825ffe1ed24",  
    "name": "Acme Org",  
    "url_slug": "acme-org",  
    "website": null  
  },  
  {  
    "description": null,  
    "id": "786904d3-6a19-4af2-8bfc-5479a1010961",  
    "name": "Acme Training Group",  
    "url_slug": "remote-training",  
    "website": null  
  }  
]
```

Status: 200 OK

List Organization Details

Returns information about your customer entity.

GET

/organizations/:organization_id

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/"
```

Response Example

```
{  
  "description": null,  
  "id": "2fb210e0-e931-4c62-83fd-b31fe13468ca",  
  "name": "Chuck's Organization",  
  "url_slug": "example-org",  
  "website": null  
}
```

Status: 200 OK

List Organization Audit Trails

Returns Audit Trails for an account, constrained by a date range and a number of ways to filter & search for granular queries.

GET

/organizations/:organization_id/audit-trails

Request Parameters

Name	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID	URL	String	True

Name	Description	Param Type	Data Type	Required
search	Filters results if the provided string matches against a user's full name, email, idp, or the Audit Trail kind.	Search Query	String	False
kind	Filters Audit Trails by wildcard matching against the supplied string. For example, a kind of "launchpad" will return Audit Trails for both createLaunchpad and updateLaunchpad actions.	Search Query	String	False
from_date	The beginning date range for the query. The date needs to be an ISO 8601 UTC string (with the "Z" suffix). For example: "2021-12-25T23:20:58.128Z".	Search Query	ISO 8601 UTC String	False
to_date	The ending date range for the query. The date needs to be an ISO 8601 UTC string (with the "Z" suffix). For example: "2021-12-25T23:20:58.128Z".	Search Query	ISO 8601 UTC String	False
offset	Used to specify where to start a Audit Trails query. Must be used in conjunction with the limit parameter.	Search Query	Integer (String)	False

Name	Description	Param Type	Data Type	Required
limit	Used to specify the “page size” of the Audit Trails query. Must be used in conjunction with the offset parameter.	Search Query	Integer (String)	False
order	Specifies the order of the results. Use “asc” for ascending order, and “desc” for descending order.	Search Query	String	False
order_by	Specifies the field of which the ordering should occur. For example, “session_start”, “session_duration”, etc.	Search Query	String	False

Request Example

```
curl -X GET \
-H "X-Frame-ClientId: ${client_id}" \
-H "X-Frame-Timestamp: ${timestamp}" \
-H "X-Frame-Signature: ${signature}" \
"https://api.console.nutanix.com/v1/organizations/${organization_id}/audit-trails?search=jason.thompson@nutanix.com&kind=launchpad&limit=5&offset=0&from_date=${from_date}&to_date=${to_date}&order_by=inserted_at&order=desc"
```

Response Example

```
[
  {
    "id": "7c3dee57-5a7b-4211-a55d-7d5b8e5f595b",
    "user_first_name": "Jason",
    "user_last_name": "Thompson",
    "user_idp": "example-idp-name",
    "user_email": "jason.thompson@nutanix.com",
    "kind": "updateLaunchpad",
    "account_id": "b00636bf-4f08-404e-a7ba-3c2aaa173335",
```

```
"organization_id": "86bcea89-389f-496a-3c75-1df0ce8d96ca",
"customer_id": "b3e7d4e0-5ab2-43cf-9f9c-0c02909931e1",
"inserted_at": "2021-10-15T20:49:13.377350Z"
},
{
  "id": "4f62a8e4-1ab4-430b-9f4f-96fa77ff24f5",
  "user_first_name": "Jason",
  "user_last_name": "Thompson",
  "user_idp": "example-idp-name",
  "user_email": "jason.thompson@nutanix.com",
  "kind": "createLaunchpad",
  "account_id": "b00636bf-4f08-404e-a7ba-3c2aaa173335",
  "organization_id": "86bcea89-389f-496a-3c75-1df0ce8d96ca",
  "customer_id": "b3e7d4e0-5ab2-43cf-9f9c-0c02909931e1",
  "inserted_at": "2021-10-15T20:49:09.833114Z"
}
// ... more Audit Trails
]
```

Status: 200 OK

List Organization Session Trails

Returns Session Trails based on a specified organization, time frame, and filters.

GET

/organizations/:organization_id/session-trails

Request Parameters

Name	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID	URL	String	True
search	Filters results if the provided string matches against Server ID, Session ID, email address, and a user's full name.	Search Query	String	False

Name	Description	Param Type	Data Type	Required
session_start	The beginning date range for the query. The date needs to be an ISO 8601 UTC string (with the "Z" suffix). For example: "2021-12-25T23:20:58.128Z"	Search Query	ISO 8601 UTC String	False
session_end	The ending date range for the query. The date needs to be an ISO 8601 UTC string (with the "Z" suffix). For example: "2021-12-25T23:20:58.128Z"	Search Query	ISO 8601 UTC String	False
instance_type	Filters Session Trails based on a specific instance type ID.	Search Query	String	False
pool_group_type	Filters Session Trails based on the pool group server type: sandbox, production, utility, persistent_desktop_production, persistent_desktop_shadow.	Search Query	String	False
pool_id	Filters Session Trails based on provided instance type's pool ID.	Search Query	String	False

Name	Description	Param Type	Data Type	Required
offset	Used to specify where to start a Session Trails query. Must be used in conjunction with the limit parameter.	Search Query	Integer (String)	False
limit	Used to specify the “page size” of the Session Trails query. Must be used in conjunction with the offset parameter.	Search Query	Integer (String)	False
order	Specifies the order of the results. Use “asc” for ascending order, and “desc” for descending order.	Search Query	String	False
order_by	Specifies the field of which the ordering should occur. For example, “session_start”, “session_duration”, etc.	Search Query	String	False

Request Example

```
curl -X GET \
-H "X-Frame-ClientId: ${client_id}" \
-H "X-Frame-Timestamp: ${timestamp}" \
-H "X-Frame-Signature: ${signature}" \
"https://api.console.nutanix.com/v1/organizations/${organization_id}/session-trails?limit=50&offset=0&order=desc&order_by=session_start"
```

Response Example


```
[
  {
    "account_id": "084ab7d0-e4ca-4dea-932a-45bf33f02088",
    "bandwidth_kbps_avg": 15921.05,
    "bandwidth_kbps_max": 16128,
    "bandwidth_kbps_min": 14024,
    "city": "Tehama",
    "client_ip": "123.32.145.255",
    "customer_id": "b3e7d4e0-5ab2-43cf-9f9c-0c02909931e1",
    "distance": 2369.002238311968,
    "fail_description": null,
    "framerate_ps_avg": 19.74,
    "framerate_ps_max": 20,
    "framerate_ps_min": 10,
    "id": "b970ec31-ca07-48c9-8b56-4547a7b1a9f8",
    "instance_type": "t2.large",
    "latency_ms_avg": 110.36,
    "latency_ms_max": 132,
    "latency_ms_min": 106,
    "organization_id": "2fb210e0-e931-4c62-83fd-b31fe13468ca",
    "pool_group_type": "sandbox",
    "pool_id": "d54b760c-956a-487b-a675-e113677fe871",
    "pool_instance_type": {
      "bare_metal": null,
      "display_name": "Air 8GB",
      "gpu": "None",
      "id": "gateway-prod.5",
      "name": "t2.large",
      "ram": 8,
      "vcpu": 2
    },
    "server_id": "gateway-prod.5232637",
    "session_duration": 2391,
    "session_end": "2021-02-25T23:17:27.000000Z",
    "session_id": "gateway-prod.nMOARz25k9LDmGN0",
    "session_start": "2021-02-25T23:15:56.000000Z",
    "user_email": "example.user@company.com",
    "user_first_name": "Example",
    "user_id": "52b19f2e-c8ae-4f12-beab-f2838ce8dce9",
    "user_idp": "example-idp",
    "user_last_name": "User"
  }
]
```

Status: 200 OK

List Organization API Authorization Rules

Returns all Organization-level API keys that have been generated and their associated permissions.

GET`/organizations/:organization_id/api_authorization_rules`

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/api_authorization_r  
ules"
```

Response Example

```
[  
  {  
    "api_authorization_id": "e8d5f1f0-2e4d-4362-9002-a5c11da1ffc9",  
    "credentials": [  
      {  
        "client_id": "ed1147f0-3d3e-4629-a8a5-9cc67053518c.img.frame.nutanix.com",  
        "name": "Development Server"  
      }  
    ],  
    "id": 980,  
    "name": "Chuck's customized admin roles",  
    "roles": [  
      {  
        "id": "871dbc2d-f55f-4f15-ab4a-eb14541da4de",  
        "role": {  
          "applicable_on": "organization",  
          "category": null,  
          "description": null,  
          "id": "6498134a-df89-4548-be2d-86b01fac91c9",  
          "name": "Organization Administrator",  
          "permissions": [  
            "cpanel_mutation_restore_backup",  
            "cpanel_mutation_check_cluster_create_limits",  
            "cpanel_acknowledge_notification",  
            "cpanel_mutation_move_launchpad"  
            // ... more permissions  
          ]  
        }  
      }  
    ]  
    // ... more roles if available  
  }  
]
```

Status: 200 OK

List Organization Roles

Returns available roles and associated permission granted for the specified Organization.

GET

/organizations/:organization_id/roles

Request Parameters

Name	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID	URL	String	True
category	Filters the results by the role category, e.g. "api"	Search Query	String	True

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/roles?category="api"  
"
```

Response Example

```
[  
  {  
    "applicable_on": "account",  
    "category": "api",  
    "description": null,  
    "id": "f1147b3ta-f927-46aa-66ea-6eea8569663b",  
    "name": "API - Generate Anonymous Account Token",  
    "permissions": ["create_anonymous_access_token"]  
  }  
]
```

```
}  
]
```

Status: 200 OK

List Organization Cloud Services

Returns a list of **registered Cloud Service Providers** configured with Frame for a specified Organization.

GET

/organizations/:organization_id/cloud_services

Request Parameters

Parameter	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID.	URL	String	True
cloud_provider_id	The Frame cloud provider ID.	Search Query	String	true
active	Lists cloud services based on their "active" status.	Search Query	Boolean	False
omit_default	If true, omits Frame's default Cloud Services from the results.	Search Query	Boolean	False

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/cloud_services?active=true"
```

Response Example

```
[
  {
    "active": true,
    "cloud_account_id": "199955555555",
    "cloud_provider_display_name": "AWS",
    "cloud_provider_id": "gateway-prod.2",
    "cloud_provider_name": "amazon",
    "context": "organization",
    "creation_date": "2019-06-11T20:25:33Z",
    "datacenters": [],
    "display_name": "Example Account",
    "external_id": null,
    "gateway": "gateway-prod",
    "id": "gateway-prod.459",
    "is_default": false,
    "is_provider_default": false,
    "name": "Example Account",
    "owner_id": "b3e7d4e0-5ab2-43cf-9f9c-0c02909931e1",
    "properties": {
      "cloud_account_id": "199955555555"
    },
    "status": "ready",
    "supported_datacenter_ids": null,
    "supported_types": ["frame-high"]
  }
]
```

Status: 200 "OK"

List Organization Elasticity

Returns information on all customer instance elasticity.

GET

/organizations/:organization_id/elasticity

Request Parameters

Name	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID.	URL	String	True

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/elasticity"
```

Response Example

```
{  
  "buffer_servers": 10,  
  "max_servers": 150,  
  "min_servers": 100  
}
```

Status: 200 OK

List Organization Settings

Returns all customer entity settings.

GET

/organizations/:organization_id/settings

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/settings"
```

Response Example

```
{
  "authorized_nutanix_personnel": [
    "jason.thompson@nutanix.com",
    "alex.fontaine@nutanix.com",
    "stuart.allen@nutanix.com"
  ],
  "can_frame_account_support_start_session": null,
  "frame_cloud_account_allowed": false,
  "frame_support_admin_access": "full_access",
  "is_frame_support_customer_admin": true,
  "is_generate_session_report_enabled": false,
  "is_light_publish_enabled": false,
  "is_login_banner_enabled": false,
  "is_persistent_desktops_backups_enabled": true,
  "is_terminal_banner_enabled": false,
  "light_publish_settings": {
    "threshold": 10
  },
  "login_banner_settings": null,
  "max_concurrency": 160,
  "max_concurrency_per_account": null,
  "max_monthly_credits_usage": null,
  "max_monthly_credits_usage_description": null,
  "max_utility_pools_per_account": 50,
  "note": null,
  "notification_center_settings": {
    "email_addresses": null,
    "is_send_notification_emails_enabled": null,
    "notify_on_critical": null,
    "notify_on_info": null,
    "notify_on_warning": null
  },
  "terminal_banner_settings": null
}
```

Status: 200 OK

List Organization Overall Usage

Returns instance usage for the specified Organization constrained by a date range.

GET

/organizations/:organization_id/usage

Request Parameters

Name	Description	Param Type	Data Type	Required
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organization_id	Your Frame Organization ID	URL	String	True
from_date	The beginning date range for the query. The date needs to be an ISO 8601 UTC string (with the “Z” suffix). For example: “2021-12-25T23:20:58.128Z” .	Search Query	ISO 8601 UTC String	False
to_date	The ending date range for the query. The date needs to be an ISO 8601 UTC string (with the “Z” suffix). For example: “2021-12-25T23:20:58.128Z” .	Search Query	ISO 8601 UTC String	False
resolution_type	Resolution Type: by_hour , by_day , by_month , by_year	Search Query	String	False
server_type	Filters query based on a specific server ID.	Search Query	String	False
pool_id	Filters query based on provided instance type's pool ID.	Search Query	String	False
instance_type_id	Filters the usage by an instance type's “external” ID, e.g. “gateway-prod.3”.	Search Query	String	False
datacenter_id	Limits the results to a specific Datacenter by ID.	Search Query	String	False

skip_if_byo_account	True/False boolean value determining if BYO results should be returned.	Search Query	Boolean	False
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Request Example

```
curl -X GET \
-H "X-Frame-ClientId: ${client_id}" \
-H "X-Frame-Timestamp: ${timestamp}" \
-H "X-Frame-Signature: ${signature}" \
"https://api.console.nutanix.com/v1/organizations/${organization_id}/usage?from_date=${from_date}&to_date=${to_date}&server_type=production"
```

Response Example

```
{
  "data": [
    {
      "account": null,
      "account_external_id": "gateway-prod.35917",
      "usage": [
        {
          "datacenter": null,
          "datacenter_id": "gateway-prod.1",
          "hours_used": 1,
          "instance_type": null,
          "instance_type_id": "gateway-prod.3152",
          "server_type": "production",
          "time": 1626454800000
        }
        // ... more usage data
      ]
    }
    // ... more accounts and usage
  ],
  "total": 43533
}
```

Status: 200 OK

List Organization Disk Volume Usage

Returns disk volume usage statistics for specified Organization within a specified date range.

GET

/organizations/:organization_id/disk_volume_usage?from_date=X&to_date=Y&server

Request Parameters

Name	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID.	URL	String	True
from_date	The beginning date range for the query.	The date needs to be an ISO 8601 UTC string (with the "Z" suffix). For example: "2021-12-25T23:20:58.128Z"	YYYY-MM-DD Date string	False
to_date	The ending date range for the query.	The date needs to be an ISO 8601 UTC string (with the "Z" suffix). For example: "2021-12-25T23:20:58.128Z"	YYYY-MM-DD Date string	False
resolution_type	Resolution Type: by_hour , by_day , by_month , by_year	Search Query	String	False
server_type	Server Type: sandbox , production , utility , persistent_desktop _production , persistent_desktop _shadow	Search Query	String	False
disk_volume_type_id	Disk Volume Type: all , standard , gp2 , io1	Search Query	String	False
datacenter_id	Limits the results to a specific Datacenter ID number.	Search Query	String	False

Name	Description	Param Type	Data Type	Required
skip_if_byo_account	True/False boolean value determining if BYO results should be returned.	Search Query	Boolean	False

Request Example

```
curl -X GET \
-H "X-Frame-ClientId: ${client_id}" \
-H "X-Frame-Timestamp: ${timestamp}" \
-H "X-Frame-Signature: ${signature}" \
"https://api.console.nutanix.com/v1/organizations/${organization_id}/disk_volume_usage?from_date=${from_date}&to_date=${to_date}"
```

Response Example

```
{
  "data": [
    {
      "account": null,
      "account_external_id": "gateway-prod.1791",
      "usage": [
        {
          "datacenter": null,
          "datacenter_id": "gateway-prod.3",
          "disk_volume_size_used": 180,
          "disk_volume_type_id": "gp2",
          "hours_used": 36,
          "time": 1625101200000
        }
        // ... more usage data for this account
      ]
    }
    // ... more accounts and their usage
  ],
  "total": 758884
}
```

Status: 200 OK

List Organization Master Images

Returns Maser or "Gold" Image information for the specified Organization for a specified datacenter.

GET

/organizations/:organization_id/cloud_services/:external_cloud_service_id/master_images?external_data_center_id=XYZ

Request Parameters

Parameter	Description	Param Type	Data Type	Required
external_data_center_id	This ID represents a Frame "external" datacenter ID.	Search Query	String	False

Request Example

```
curl -X GET \
-H "X-Frame-ClientId: ${client_id}" \
-H "X-Frame-Timestamp: ${timestamp}" \
-H "X-Frame-Signature: ${signature}" \
"https://api.console.nutanix.com/v1/organizations/${organization_id}/cloud_services/${external_cloud_service_id}/master_images?external_data_center_id=${external_data_center_id}"
```

Response Example

```
[
{
  "description": "Frame Master Image mif:1, v:0, date:2020-01-28 09:30:10",
  "id": "gateway-prod.15474",
  "instance_types": [
    {
      "display_name": "Air 4GB",
      "external_id": "gateway-prod.1",
      "gpu": "None",
      "id": "gateway-prod.1",
      "name": "t2.medium",
      "ram": 4,
      "vcpu": 2
    }
  ]
  "machine_image_family": {
    "display_name": "Windows Server 2016 (G4)",
    "id": "gateway-prod.xxx",
    "name": "FrameAWSWindows20126G4"
  }
}
```

```
    },
    "master_image_copy_required": null
  ]
},
// ... more master images
]
```

Status: 200 OK

List Organization User Activity

Returns statistical user activity information for the specified Customer constrained by a date range. Can be ordered by passing a string parameter as well as exclude specified user IDPs.

GET

/organizations/:organization_id/user_activities?from_date=X&to_date=Y

Request Parameters

Name	Description	Param Type	Data Type	Required
organization_id	Your Frame Organization ID	URL	String	True
from_date	The beginning date range for the query.	Search Query	YYYY-MM-DD Date string	True
to_date	The ending date range for the query.	Search Query	YYYY-MM-DD Date string	True
order	Specifies the order of the results. Use "asc" for ascending order, and "desc" for descending order.	Search Query	String	False
order_by	Specifies the field of which the ordering should occur. For example, "session_start", "session_duration", etc.	Search Query	String	False

Name	Description	Param Type	Data Type	Required
skip_user_ids	User Identity Providers to skip.	Search Query	Array (String)	False

Request Example

```
curl -X GET \  
-H "X-Frame-ClientId: ${client_id}" \  
-H "X-Frame-Timestamp: ${timestamp}" \  
-H "X-Frame-Signature: ${signature}" \  
"https://api.console.nutanix.com/v1/organizations/${organization_id}/user_activities?from_date=${from_date}&to_date=${to_date}&skip_user_ids[]=example-okta-admins&skip_user_ids[]=example-okta-dev"
```

Response Example

```
{  
  "data": [  
    {  
      "access_date": "2022-02-01",  
      "access_datetime": "2022-02-01T21:11:00.398870Z",  
      "account_id": "0e52b11b-23bf-411e-a070-bc0ea014cbc2",  
      "customer_id": "6ba31e38-1735-4274-a58e-6fb8c662e425",  
      "organization_id": "bc24563d-375b-49fb-8f15-1682b8bc6deb",  
      "user_email": "dontcallme.shirley@example.com",  
      "user_first_name": "Shirley",  
      "user_id": "20acd3a2-b455-4dca-b22b-520e16079e11",  
      "user_idp": "example-okta-workforce",  
      "user_last_name": "Dontcallme"  
    }  
    // ... many more User Activities  
  ],  
  "total": 66866,  
  "total_unique": 8133  
}
```

Status: 200 OK

Revision #2

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