

# Citrix Session Metadata

## Functionality

Collect Citrix session metadata which helps in User traffic monitoring on Citrix environments. This cloud function will be able to provide information like user login details, logon duration, session creation time, session ending time and other metadata related to session.

## API

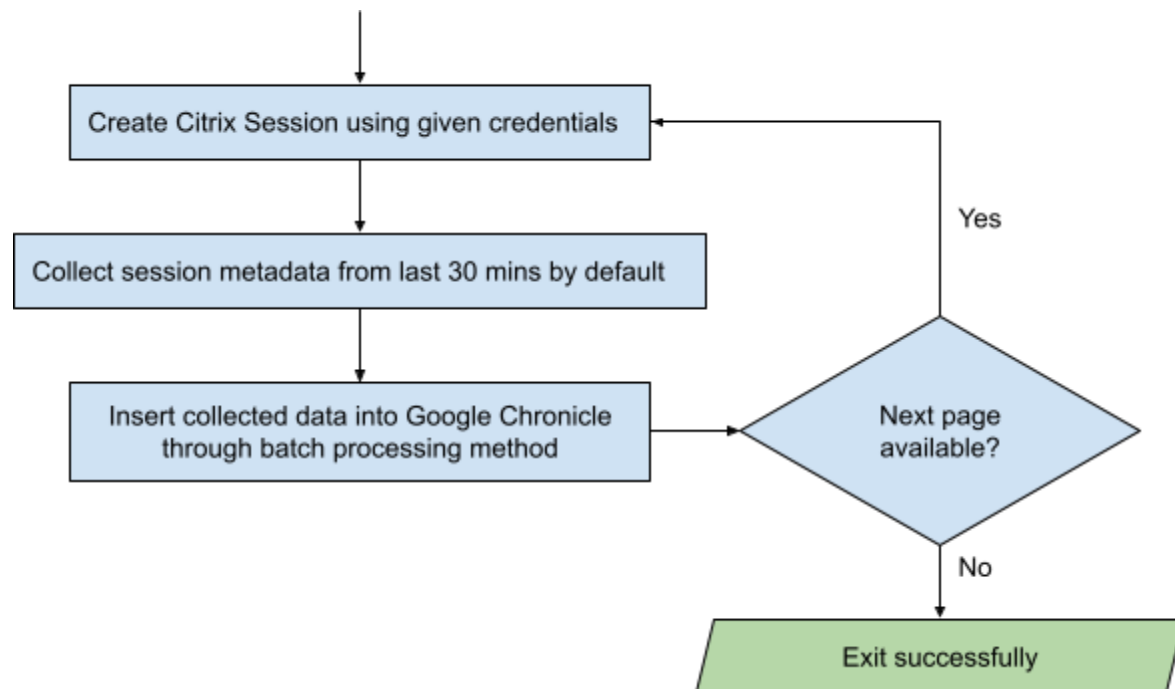
- API leveraged - <https://api-us.cloud.com/monitorodata/Sessions>
- Reference Documentation - <https://developer-docs.citrix.com/projects/monitor-service-odata-api/en/latest/#urls-for-available-odata-sets>
- Description - Provides session metadata information like Session ID, start time, end time, user ID, user Name, etc.
- Sample Event -

```
{
  "SessionKey": "88371517-dcfe-424d-b17a-0e4f19470f6a",
  "StartDate": "2022-09-20T10:06:44.243Z",
  "LogOnDuration": 14057,
  "EndDate": "2022-09-20T10:12:30.673Z",
  "ExitCode": 1,
  "FailureId": null,
  "FailureDate": null,
  "ConnectionState": 3,
  "SessionIdleTime": null,
  "ConnectionStateChangeDate": "2022-09-20T10:12:30.673Z",
  "LifecycleState": 0,
  "CurrentConnectionId": 11941436,
  "UserId": 20344,
  "MachineId": "19397188-338f-41f8-96d4-e79025779737",
  "SessionType": 0,
  "IsAnonymous": false,
  "CreatedDate": "2022-09-20T10:06:52.863Z",
  "ModifiedDate": "2022-09-20T10:12:30.673Z",
  "User": {
    "UserName": "frobo005",
    "FullName": "Roberson, Faye M"
  }
}
```

# Configuration Parameters

Parameters	Description	Example	Required
URL_DOMAIN	Domain URL of Citrix environment	api-us.cloud.com	Yes
CITRIX_CUSTOMER_ID	Unique customer ID provided to the Citrix user	-	Yes
CITRIX_CLIENT_ID	Citrix API Client ID	-	Yes
CITRIX_CLIENT_SECRET	Client API Client Secret	-	Yes
CHRONICLE_FUNCTION_INTERVAL	Interval to consider for collecting the data <b>Default:</b> 30 mins	60	No

## Implementation Approach



## Workflow Explanation

1. Cloud function would collect the configuration parameters provided during setup
2. A Citrix environment session will be created using the Client ID and Client Secret

3. If session creation is successful, data collection would be commenced from last 30 mins by default. If user wants to collect data for some other time window, he/she can pass this value in CHRONICLE\_FUNCTION\_INTERVAL parameter.
4. Per API call 100 records would be collected. These records will be ingested in Chronicle using the batch processing method.
5. If the next page is available for data collection, repeat step 4, else Exit successfully.

**NOTE:** Data collection for Citrix session metadata leverages OAuth2 mechanism. Hence, if session expires during the data collection, the function would try to create a new session and resume data collection.