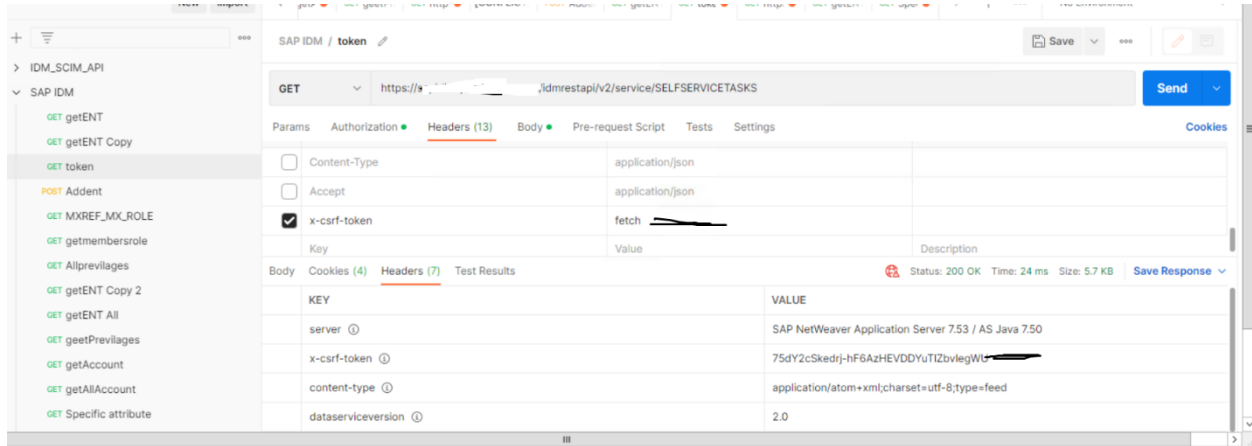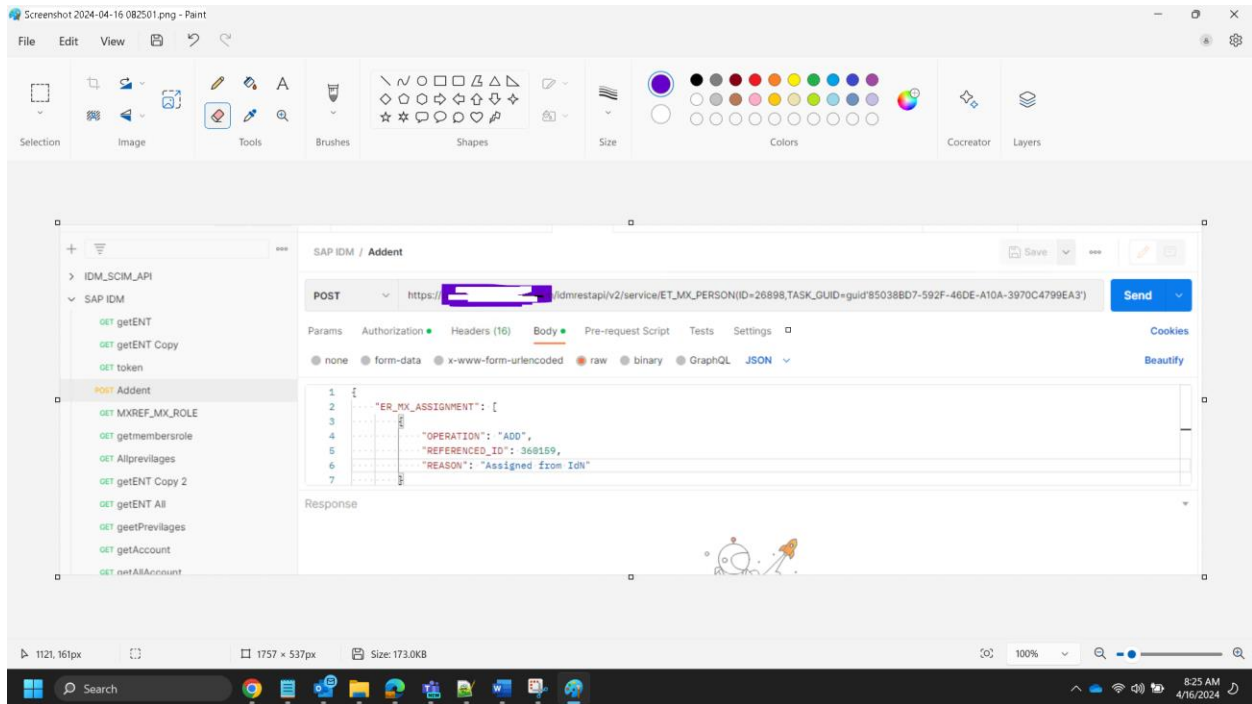SAP IDM Prov Privileges using Rest connection:

Testing through postman works:

Get the csrf token using header fetch

Provision privilege

In Saviynt:

Connection Json:

```
{
  "authentications":{
    "acctAuth":{
      "authType":"Basic",
      "url":"https://*********/idmrestapi/v2/service/SELFSERVICETASKS",
      "httpMethod":"GET",
      "httpHeaders":{
        "content-Type":"application/json",
        "x-csrf-token":"fetch"
      },
      "properties":{
        "userName":"*********",
        "password":"********"
      },
      "httpContentType":"application/json",
      "expiryError":"ExpiredAuthenticationToken",
      "retryFailureStatusCode":[
        401
      ],
      "authError":[
        "Internal server error"
      ],
      "timeOutError":"Read timed out",
      "errorPath":"message",
      "maxRefreshTryCount":5,
      "tokenResponsePath":"access_token",
      "tokenType":"Basic",
      "accessToken":"Basic abcd"
    }
  }
}
```

AddAccessJSON:

```
{
  "accountIdPath":"call1.message.id",
  "responseColsToPropsMap":{
    "x-csrf-token":"call1.headers.x-csrf-token~#~char"
  },
  "call":[
    {
      "name":"call1",
      "authentications":{
        "acctAuth":{
          "authType":"Basic",
          "url":"https://*****/idmrestapi/v2/service/SELFSERVICETASKS",
          "httpMethod":"GET",
          "httpHeaders":{
            "content-Type":"application/json",
            "x-csrf-token":"fetch"
          },
          "properties":{
            "userName":"*******",
            "password":"*********"
          },
          "httpContentType":"application/json",
          "expiryError":"ExpiredAuthenticationToken",
          "retryFailureStatusCode":[
            401
          ],
          "authError":[
            "Internal server error"
          ],
          "timeOutError":"Read timed out",
          "errorPath":"message",
          "maxRefreshTryCount":5,
          "tokenResponsePath":"access_token",
          "tokenType":"Basic",
          "accessToken":"Basic abcd"
        }
      }
    },
    {
      "name":"call2",
      "connection":"acctAuth",

"url":"https://*******/idmrestapi/v2/service/ET_MX_PERSON(ID=26898,TASK_GUID=guid'85038BD7-592F-46DE-A10A-3970C4799EA3')",
```

```
      "httpMethod":"POST",
      "httpParams":"{\"ER_MX_ASSIGNMENT:[{\" \"OPERATION\": \"ADD\", \"REFERENCED_ID\":
360159, \"REASON\": \"Assigned from IdN\"}],\"SV_FER_IDEN_TEMP_TICKET_NR\": \"Test ticket\"}",
      "httpHeaders":{
        "Authorization":"${access_token}",
        "x-csrf-token":"${response.call1.headers.x-csrf-token}"
      },
      "httpContentType":"application/json",
      "successResponses":{
        "statusCode":[
          200,
          201,
          204,
          205
        ]
      }
    }
  ]
}
```

After running prov task still there in Pending task without error:

Saviynt logs: (Attached full log separately)

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640116302Z stdout F when tasks.tasktype = 38 then 'Update Organization' "

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640119302Z stdout F else 'tasks.tasktype' end as TASKTYPE ,"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640122602Z stdout F tasks.requestedBy)"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640130102Z stdout F FROM ArsTasks tasks left join tasks.entitlement_valueKey entitlement_valueKey"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640133202Z stdout F left join tasks.requestKey requestKey"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640136002Z stdout F left join tasks.endpoint endpoint"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640138902Z stdout F left join tasks.users users"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640143502Z stdout F left join tasks.accountKey accountKey"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640146502Z stdout F left join tasks.securitysystem securitysystem"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640150702Z stdout F left join tasks.requestAccessKey requestAccessKey"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640153702Z stdout F left join tasks.upadteuser as updateuser"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640156602Z stdout F left join tasks.parenttask as parenttask"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640159602Z stdout F WHERE tasks.id > 0 and   tasks.status IN (1,2,6,7)   and 1=1 order by tasks.id desc NULLS LAST"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.640162502Z stdout F 2024-04-16 03:01:51,639 [http-nio-8080-exec-36] DEBUG services.WorkflowService - taskQry -   and 1=1 order by tasks.id desc NULLS LAST"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.641046302Z stdout F 2024-04-16 03:01:51,640 [http-nio-8080-exec-36] DEBUG services.WorkflowService - disableOwnerdisplay = 0"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.642417302Z stdout F 2024-04-16 03:01:51,642 [http-nio-8080-exec-36] DEBUG services.WorkflowService - Returned tasklist= 1"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.642461002Z stdout F 2024-04-16 03:01:51,642 [http-nio-8080-exec-36] DEBUG services.WorkflowService - returned count-1"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.643049402Z stdout F 2024-04-16 03:01:51,642 [http-nio-8080-exec-36] DEBUG services.WorkflowService - Task List size= 1"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.653956105Z stdout F 2024-04-16 03:01:51,653 [http-nio-8080-exec-36] DEBUG services.WorkflowService - pendingresultlist = 0"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.653969305Z stdout F 2024-04-16 03:01:51,653 [http-nio-8080-exec-36] DEBUG services.WorkflowService - final time taken 17"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.653972805Z stdout F 2024-04-16 03:01:51,653 [http-nio-8080-exec-36] DEBUG services.WorkflowService - Leaving getTasks()"

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.653975605Z stdout F 2024-04-16 03:01:51,653 [http-nio-8080-exec-36] DEBUG workflow.WorkflowmanagementController - in else loop.."

"2024-04-16T03:01:51.742+00:00","ecm","","null-64tdj","","2024-04-16T03:01:51.653978605Z stdout F 2024-04-16 03:01:51,653 [http-nio-8080-exec-36] DEBUG workflow.WorkflowmanagementController - Exit pendingtasklistjson"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823738519Z stdout F 2024-04-16 03:01:49,823 [quartzScheduler_Worker-8] DEBUG services.ArsTaskHelperService - In whenTaskTypeIsOneOrTwentythree"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823760019Z stdout F 2024-04-16 03:01:49,823 [quartzScheduler_Worker-8] DEBUG services.ArsTaskHelperService - Query Add Access Tasks= "

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823764219Z stdout F   select rr from ArsTasks rr where"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823767419Z stdout F   rr.accountKey != null"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823770219Z stdout F   and rr.tasktype in(1,23) and (rr.endDate=null or rr.endDate > :ed)"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823773219Z stdout F   and rr.id in (21227)"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.823776219Z stdout F   "

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.825660319Z stdout F 2024-04-16 03:01:49,825 [quartzScheduler_Worker-8] DEBUG services.ArsTaskHelperService - Validating tasks for Securitysystem - SAPIDMDB"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.825685319Z stdout F 2024-04-16 03:01:49,825 [quartzScheduler_Worker-8] DEBUG services.ArsTaskHelperService - accountName = BURANSIMO1 , taskType = 1 accountkey = 793210"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.825825319Z stdout F 2024-04-16 03:01:49,825 [quartzScheduler_Worker-8] DEBUG saviynt.AccountsService - Inside isServiceAccount"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.825849919Z stdout F 2024-04-16 03:01:49,825 [quartzScheduler_Worker-8] DEBUG saviynt.AccountsService - isServiceAccount: false"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.838131222Z stdout F 2024-04-16 03:01:49,838 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - ProvisioningAccessToAccountTarget"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.840622322Z stdout F 2024-04-16 03:01:49,840 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - Calling Rest provisionAccountsAccess with Sec System - SAPIDMDB and tasklist - [BURANSIMO1:[com.saviynt.ecm.task.ArsTasks : 21227]]"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.840644422Z stdout F 2024-04-16 03:01:49,840 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService - Provisioning Access to Account for Rest"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.840650022Z stdout F 2024-04-16 03:01:49,840 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService - initializing Provisioning connection"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.843732823Z stdout F 2024-04-16 03:01:49,843 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService - in reinitializeAddAndRemoveAccessJson"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.845371823Z stdout F 2024-04-16 03:01:49,845 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService - addAccessJSON: [accountIdPath:call1.message.id, responseColsToPropsMap:[x-csrf-token:call1.headers.x-csrf-token~#~char], call:[[name:call1, authentications:[acctAuth:[authType:Basic, url:https://*******/idmrestapi/v2/service/SELFSERVICETASKS, httpMethod:GET, httpHeaders:[content-Type:application/json, x-csrf-token:fetch], properties:[userName:********, password:*******], httpContentType:application/json, expiryError:ExpiredAuthenticationToken, retryFailureStatusCode:[401], authError:[Internal server error], timeOutError:Read timed out, errorPath:message, maxRefreshTryCount:5, tokenResponsePath:access_token, tokenType:Basic, accessToken:Basic abcd]]], [name:call2, connection:acctAuth, url:https://*****/idmrestapi/v2/service/ET_MX_PERSON(ID=26898,TASK_GUID=guid'85038BD7-592F-46DE-A10A-3970C4799EA3'), httpMethod:POST, httpParams:{"ER_MX_ASSIGNMENT:[{" "OPERATION": "ADD", "REFERENCED_ID": 360159, "REASON": "Assigned from IdN"}],"SV_FER_IDEN_TEMP_TICKET_NR": "Test ticket"}, httpHeaders:[Authorization:${access_token}, x-

csrf-token:${response.call1.headers.x-csrf-token}], httpContentType:application/json,
successResponses:[statusCode:[200, 201, 204, 205]]]]]"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.846117724Z
stdout F 2024-04-16 03:01:49,846 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
arsTasks?.requestAccessKey: com.saviynt.ecm.workflow.Request_Access : 417"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.847295524Z
stdout F 2024-04-16 03:01:49,847 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
Adding entitlement PRIV:CRQ020:ONLY to user buransimo1@ferrero.com"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.847309524Z
stdout F 2024-04-16 03:01:49,847 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
arsTasks.entitlement_valueKey: PRIV:CRQ020:ONLY"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.847314824Z
stdout F 2024-04-16 03:01:49,847 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
arsTasks.entitlement_valueKey.entitlementID: null"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.847318724Z
stdout F 2024-04-16 03:01:49,847 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
accounts: BURANSIMO1"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.847323324Z
stdout F 2024-04-16 03:01:49,847 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
accounts.accountID: null"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.847326324Z
stdout F 2024-04-16 03:01:49,847 [quartzScheduler_Worker-8] DEBUG rest.RestProvisioningService -
Error in provisioning: AccountID is mandatory"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.848992624Z
stdout F 2024-04-16 03:01:49,848 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - Inside
updateProvisioningTries.."

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87676563Z
stdout F 2024-04-16 03:01:49,876 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - Inside
removeSingleDropDownAccountEntAddTaskAndPushTaskRollBackMapToSavinyt..."

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87679493Z
stdout F 2024-04-16 03:01:49,876 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService -
Entering provisionAccesstoAccountSaviynt"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87680033Z
stdout F 2024-04-16 03:01:49,876 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService -
{BURANSIMO1=[]}"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87680533Z
stdout F 2024-04-16 03:01:49,876 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService -
ExistingAccount"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87685243Z stdout F 2024-04-16 03:01:49,876 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - accountID before merge = null"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87834193Z stdout F 2024-04-16 03:01:49,878 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - accountID after merge = null"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87837043Z stdout F 2024-04-16 03:01:49,878 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - completedFFRoleRequestAccessKeys for provisioning - []"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.87912793Z stdout F 2024-04-16 03:01:49,879 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - Config for ARSTASKCOMPNEWPWDcom.saviynt.ecm.utility.domain.EcmConfig : ARSTASKCOMPNEWPWD"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.879730631Z stdout F 2024-04-16 03:01:49,879 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - Task Complete Email Template For New Account Password = Mail Template - New Joiner Password Notification to Admin Team"

"2024-04-16T03:01:50.774+00:00","ecm-worker","","null-btqf7","","2024-04-16T03:01:49.879740231Z stdout F 2024-04-16 03:01:49,879 [quartzScheduler_Worker-8] DEBUG services.ArsTaskService - start converting accTasksMap to"