This document provides changes for Sync Job and Admin Portal Enhancement releases

**Sync Job Release Notes**

* Switch Daily/Weekly Sync Scripts to Modern Auth (OAuth)
* Use Microsoft Graph API for Groups, Teams, Public/Private Channels and Users
* Use PnP PowerShell for Sites and Personal Sites
* Use PnP PowerShell and Teams API for M365 Operations: Rename Team Name, Site External Sharing

**File Lists**

* PopulateDailyGroupsCache.ps1
* PopulateDailyUsersCache.ps1
* PopulateDailySitesCache.ps1
* ProcessM365Operations.ps1
* SyncO365Groups.ps1
* SyncO365PersonalSites.ps1
* SyncO365SPOSites.ps1
* SyncO365Users.ps1
* PopulatePersonalSiteSCA.ps1
* SyncPersonalSitesExtended.ps1
* Common\Lib\ LibCore.ps1
* Common\Lib\ LibO365.ps1
* Common\Lib\ LibCache.ps1
* Common\Lib\OperationHelper.ps1
* Common\Lib\ GraphAPILibO365Groups.ps1
* Common\Lib\ GraphAPILibO365Users.ps1
* Common\Lib\ GraphAPILibSPOSites.ps1
* Common\Lib\ GraphAPILibO365GroupsDAO.ps1
* Common\Lib\ GraphAPILibO365UsersDAO.ps1
* Common\Lib\ GraphAPILibSPOSitesDAO.ps1
* PSModules\NIH.AdminPortal.Graph

**Environment**

* **SQL Database Changes**
  + A new column “GroupGuests” to “Groups” table
  + A new column “ChannelGuests” to “TeamChannel” table
  + New following columns to “Users” table
    - LastSignInDateTime
    - Department
    - CompanyName
  + Modify existing stored proc:
    - SetGroupInfo
    - SetTeamChannelInfo
    - SetSiteInfo
    - SetUserInfo
    - SetSiteExtendedInfo
  + New stored proc for Change Requests
    - GetAllActiveChangeRequests
    - UpdateChangeRequest
    - UpdateGroupTeamInfo
  + Modified existing view
    - vAllGroupsExtended
    - vAllTeamsExtended
    - UserReport
  + New view for Change Requests
    - vAllChangeRequests
* **Azure App and Application Permission Changes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Azure App** | **Application Permission** | **Cert Name** | **PS Modules** | **Purpose** |
| SPO-Sync Operations | ***Microsoft.Graph***  Directory.Read.All Organization.Read.All  User.Read.All  Group.Read.All  GroupMembers.Read.All  TeamMember.Read.All  Channel.ReadBasic.All  ChannelSettings.Read.All  ChannelMemebers.Read.All | SPO-Sync Operations | Graph API | Daily Sync:  Groups  Teams  Team Channel Users |
| SPO-M365 Operations Support | ***Microsoft.Graph*** Directory.ReadWrite.All  Group.ReadWrite.All  ***SharePoint***  Sites.FullControl.All | SPO-M365OperationSupport  .nih.sharepoint.com | PnP and  Teams API | Daily Sync:  Sites  Personal Sites  Weekly Sync:   * SyncPersonalSitesExtended * Populate SCA for Personal Sites   M365 Operations Support:   * Rename Team Display Name * External Sharing |

Find Azure App details are currently using in NIH tenant below

[**https://nih.sharepoint.com/sites/spoadm/\_layouts/15/Doc.aspx?OR=teams&action=edit&sourcedoc={A21C0CB1-B6B6-444F-8A55-6973ABF58D06}**](https://nih.sharepoint.com/sites/spoadm/_layouts/15/Doc.aspx?OR=teams&action=edit&sourcedoc=%7bA21C0CB1-B6B6-444F-8A55-6973ABF58D06%7d)

**Note:** We will delete” SPO - NIH Collaboration Admin Portal” Azure App after we completely switch our scripts to OAuth

* **Limitation**
  + To get the last sign-in date for a specific user currently only available under “beta” version Microsoft Graph API. Reference links below
    - [**https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/howto-manage-inactive-user-accounts**](https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/howto-manage-inactive-user-accounts)
    - [**https://docs.microsoft.com/en-us/graph/api/resources/signinactivity?view=graph-rest-beta**](https://docs.microsoft.com/en-us/graph/api/resources/signinactivity?view=graph-rest-beta)
* **Extended Personal Sites props for weekly sync:**
* FilesCount
* LastContentModifiedDate
* Created
* SecondarySCA

**Schedule Tasks**

|  |  |  |
| --- | --- | --- |
| **Job Name** | **Scheduler Time** | **Estimate Duration of Schedule Task** |
| ProcessM365Operations.ps1 | [DAILY] 6:17 AM Every 7 mins |  |
| PopulateDailyGroupsCache.ps1 | [DAILY] | 4 hours |
| PopulateDailyUsersCache.ps1 | [DAILY] | 2 hours |
| PopulateDailySitesCache.ps1 | [DAILY] | 4 hours |
| SyncO365Groups.ps1 | [DAILY] | 20 mins |
| SyncO365Users.ps1 | [DAILY] | 3 hours |
| SyncO365SPOSites.ps1 | [DAILY] | 15 mins |
| SyncO365PersonalSites.ps1 | [DAILY] | 4 hours |
| PopulatePersonalSiteSCA.ps1 | [WEEKLY] | TBD |
| SyncPersonalSitesExtended.ps1 | [WEEKLY] | > 10 hours |