

Monitor Intune Device enrollment using SharePoint Online Lists

Contents

Summary	1
Steps.....	1
Code	2

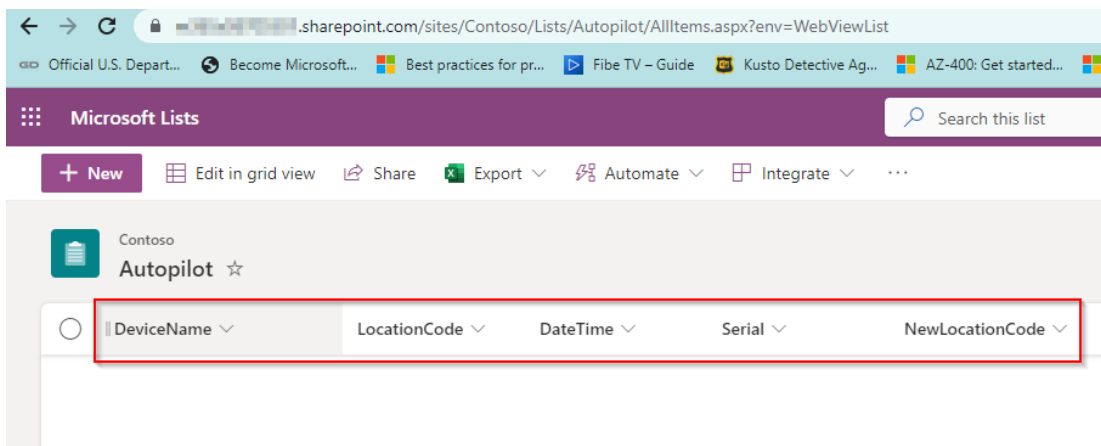
Summary

In this environment **LocationCode** = empty means the default windows autopilot **GrupoTag** (from procured devices) always Hybrid Azure AD joined, and **DateTime** = from PowerShell \$dt variable used to capture date and time as follows

```
#Date and time
$dt = Get-Date -Format "dd-MM-yyyy-HH-mm-ss"
```

Steps

1. Create your List (SharePoint online list) – [this post](#) 📄
2. Customize your columns.
 - a. DeviceName
 - b. LocationCode
 - c. DateTime
 - d. Serial
 - e. NewLocationCode



Code

The **UploadSPTList** function connects to your azure ad tenant using a self-signed certificate.

The List name is "Autopilot"

```
<#
.SYNOPSIS
This script uploads in this scenario autopilot enrollment status to SharePoint List
(keeps history: device name, date & time, location code (OrderID / GroupTag))

.DESCRIPTION
This is customized for Intune Import Hash to Windows Autopilot Devices
This script uploads in this scenario autopilot enrollment status to SharePoint List
(keeps history: device name, date & time, location code (OrderID / GroupTag))

.NOTES
Author: Thiago Beier
Email: thiago.beier@gmail.com
Blog: https://thebeier.com
LinkedIn: https://www.linkedin.com/in/tbeier/
Twitter: https://twitter.com/thiagobeier
Date: 03/24/2023
Version: 1.0
#>

#variable

#Date and time
$dt = Get-Date -Format "dd-MM-yyyy-HH-mm-ss"

# Generate Access Token to use in the connection string to MSGraph
#Parameters
$SiteURL = "https://YOURTENANTNAME.sharepoint.com/sites/Contoso"
$ClientID = "XXXXXXXX-0768-4042-b033-a56f67b4747b"
$ThumbPrint = "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
$Tenant = "YOURDOMAIN.com"

# Functions

function UploadSPTList {
    #TLS
    [Net.ServicePointManager]::SecurityProtocol = [Net.SecurityProtocolType]::Tls12

    # Install powershell module
    if (-not (Get-Module PnP.PowerShell -ListAvailable)) {
        Install-Module -Name "PnP.PowerShell" -Force -Confirm:$false
    }

    #Connect to SharePoint Online using Certificate
    Connect-PnPOnline -Url $SiteURL -ClientId $ClientID -Thumbprint $ThumbPrint -
    Tenant $Tenant

    # Get Context
    $dt = Get-Date -Format "dd-MM-yyyy-HH-mm-ss"
    $ClientContext = Get-PnPContext
    $TargetWeb = Get-PnPWeb

    # Get the list object
    $TargetList = $TargetWeb.Lists.GetByTitle("Autopilot")
    $ClientContext.Load($TargetList)
    $ClientContext.ExecuteQuery()

    # Get the fields object. List all the columns separated with comma
    $fields = "Id", "Title", "LocationCode", "Serial", "DateTime", "NewLocationCode"
    $ListItems = Get-PnPListItem -List $TargetList -Fields $fields
    foreach ($ListItem in $ListItems) {
```

```
        Write-Host "Item Id : " $ListItem["ID"]      "Item Title : "
$ListItem["Title"]      "Item LocationCode : " $ListItem["LocationCode"]      "Item
Serial : " $ListItem["Serial"]      "Item DateTime : " $ListItem["DateTime"]      "Item
NewLocationCode : " $ListItem["NewLocationCode"]
    }

    #uncomment block below to validate variables
    # $env:COMPUTERNAME
    # $( $grouptag )
    # $dt
    # $serial
    # $grouptag

    #upload values to SPT online list // List name: Autopilot (case sensitive)
    Add-PnPListItem -List "Autopilot" -Values @{
        "Title" = $env:COMPUTERNAME ;
        "LocationCode" = $tempgrouptag ;
        "DateTime" = $dt;
        "Serial" = $serial;
        "NewLocationCode" = $grouptag;
    }
}

# get serial number
# Gather Autopilot details
$session = New-CimSession
$serial = (Get-CimInstance -CimSession $session -Class Win32_BIOS).SerialNumber
$devDetail = (Get-CimInstance -CimSession $session -Namespace root/cimv2/mdm/dmmap -
Class MDM_DevDetail_Ext01 -Filter "InstanceID='Ext' AND ParentID='./DevDetail'")
$hash = $devDetail.DeviceHardwareData

# Sample data to validate this function
$tempgrouptag = "GroupTag1"
$grouptag = "GroupTag2"

$env:COMPUTERNAME
$dt
$serial
$tempgrouptag
$grouptag

# Your Code here
# Start-Transcript

# where $( $temp.grouptag ) variable is part of Intune Autopilot enrollment / import
hash script as part of this post
https://thiagobeier.wordpress.com/2023/03/21/enroll-windows-device-using-ppkg/

# Stop-Transcript

# Update SharePoint List
UploadSPTList
```

I hope you like this content.

Thiago Beier
Toronto, ON