

# opensight - intune prt看 sensor

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Monitor intune device states in prt看

## Version 1

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### Features

- Authentication with standard azure account

### Prerequisites

- mfa has to be disabled on the user account

### General

The script uses a user to authenticate with azure. This can be passed from prt看 with the parameters

- username
- password

Obviously the user needs to be able to view the devices in intune. Also the user cannot have multifactor authentication enabled. Otherwise you will need to create a service principal.

## Version 2

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### Features

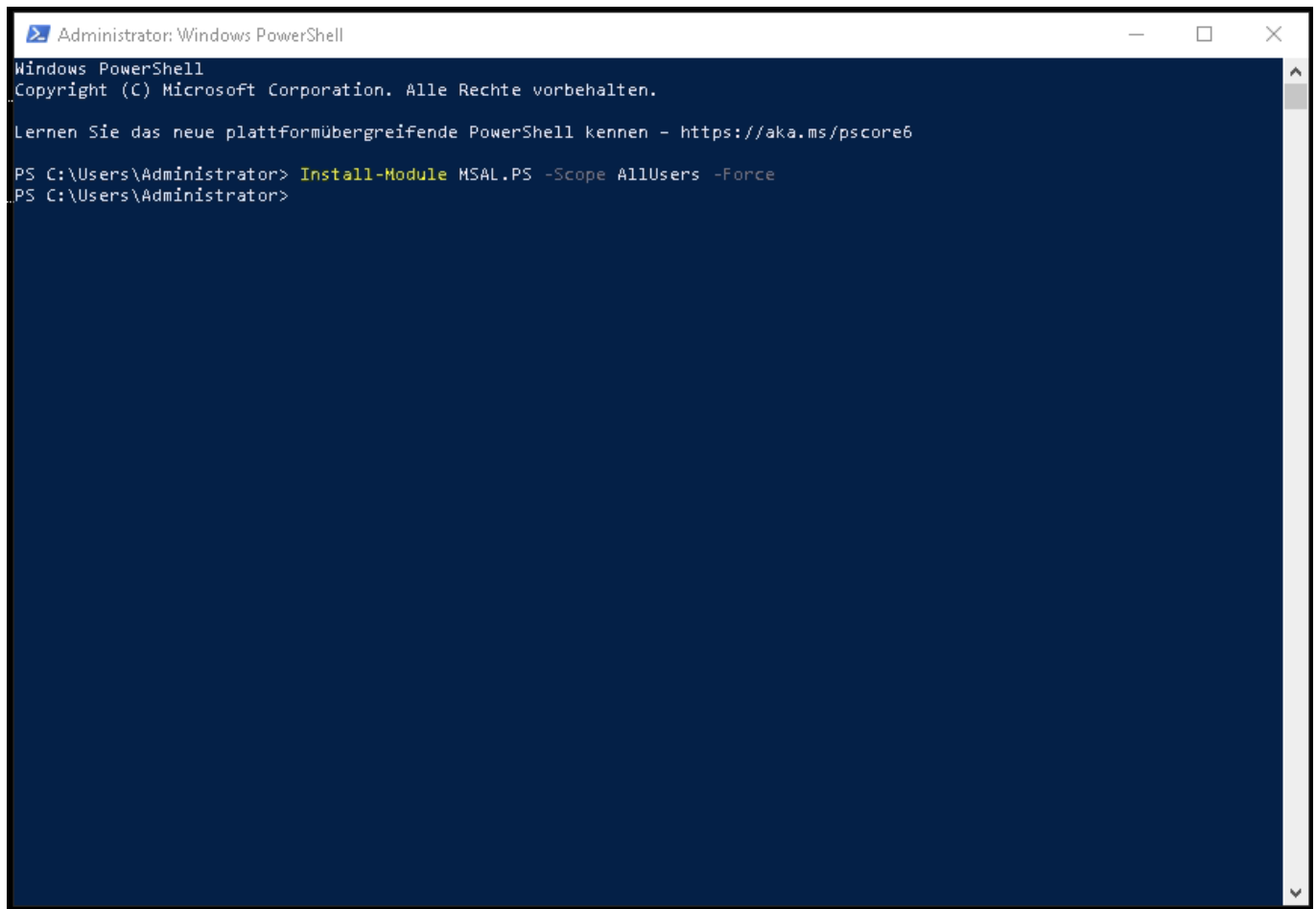
- Authentication with an Azure Service Principal

### Prerequisites

#### PRTG Probe Configuration

- On the machine, where the sensor script will run (aka the prt看 probe), install the msal.ps module. (microsoft authentication library)

```
Install-Module MSAL.PS -Scope AllUsers -Force
```



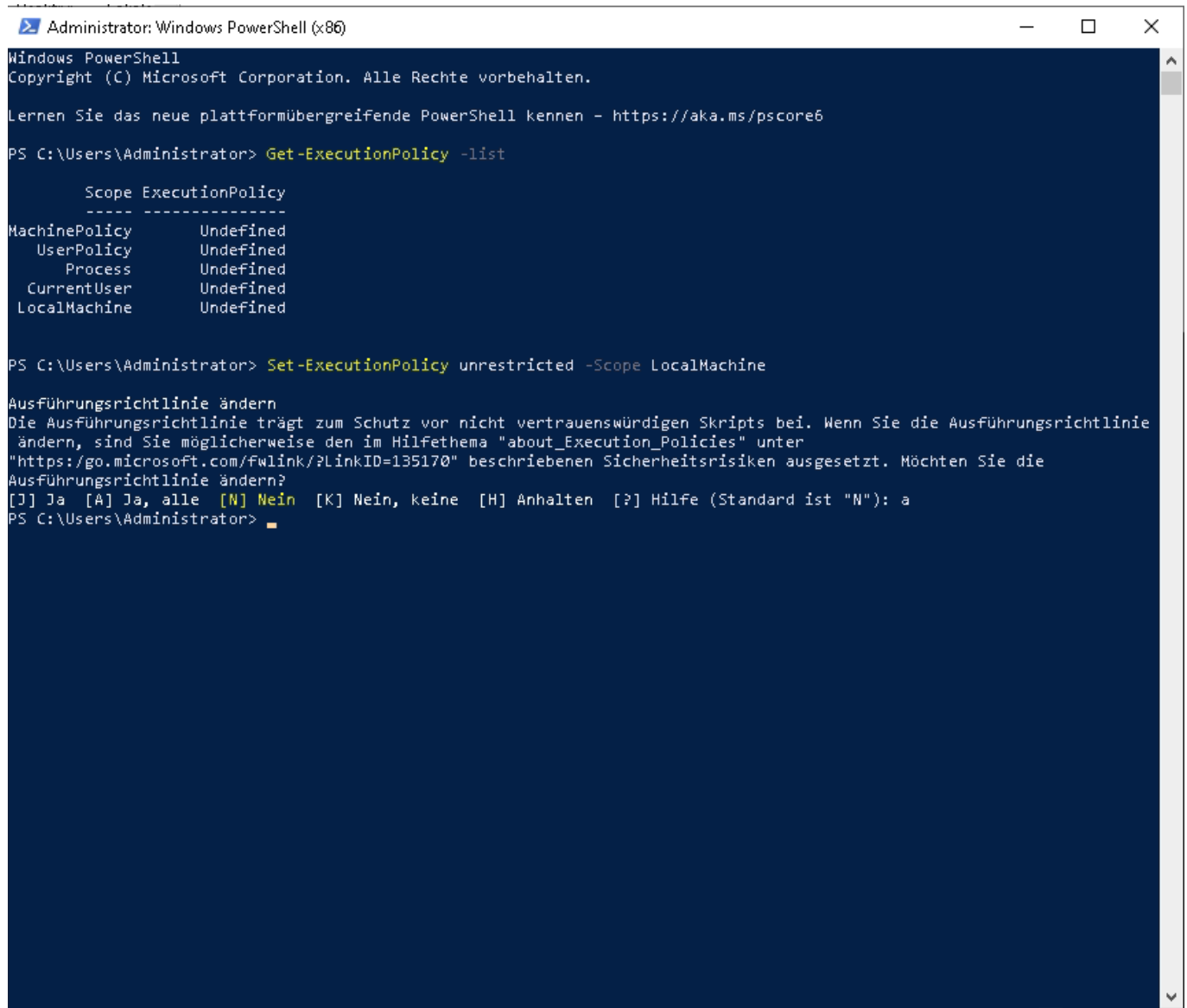
```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. Alle Rechte vorbehalten.

Lernen Sie das neue plattformübergreifende PowerShell kennen - https://aka.ms/pscore6

PS C:\Users\Administrator> Install-Module MSAL.PS -Scope AllUsers -Force
PS C:\Users\Administrator>
```

Also make sure that running scripts is actually possible. Open the **32-bit / x86** version of powershell. Set The ExecutionPolicy

```
set-executionpolicy unrestricted -Scope LocalMachine
```



```
Administrator: Windows PowerShell (x86)
Windows PowerShell
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Lernen Sie das neue plattformübergreifende PowerShell kennen - https://aka.ms/pscore6

PS C:\Users\Administrator> Get-ExecutionPolicy -list

Scope ExecutionPolicy
-----
MachinePolicy Undefined
UserPolicy Undefined
Process Undefined
CurrentUser Undefined
LocalMachine Undefined

PS C:\Users\Administrator> Set-ExecutionPolicy unrestricted -Scope LocalMachine

Ausführungsrichtlinie ändern
Die Ausführungsrichtlinie trägt zum Schutz vor nicht vertrauenswürdigen Skripts bei. Wenn Sie die Ausführungsrichtlinie
ändern, sind Sie möglicherweise den im Hilfethema "about_Execution_Policies" unter
"https://go.microsoft.com/fwlink/?LinkID=135170" beschriebenen Sicherheitsrisiken ausgesetzt. Möchten Sie die
Ausführungsrichtlinie ändern?
[Y] Ja [A] Ja, alle [N] Nein [K] Nein, keine [H] Anhalten [?] Hilfe (Standard ist "N"): a
PS C:\Users\Administrator>
```

Microsoft Azure Configurations

First create a new app registration in intune (service principal)

Microsoft Azure

Search resources, services, and docs (G+/)

Home > opensight.ch | App registrations >

Register an application

✕

\* Name

The user-facing display name for this application (this can be changed later).

prtg-sensor✓

Supported account types

Who can use this application or access this API?

☒ Accounts in this organizational directory only (opensight.ch only - Single tenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)

☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

☐ Personal Microsoft accounts only

[Help me choose...](#)

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Select a platform

e.g. https://example.com/auth

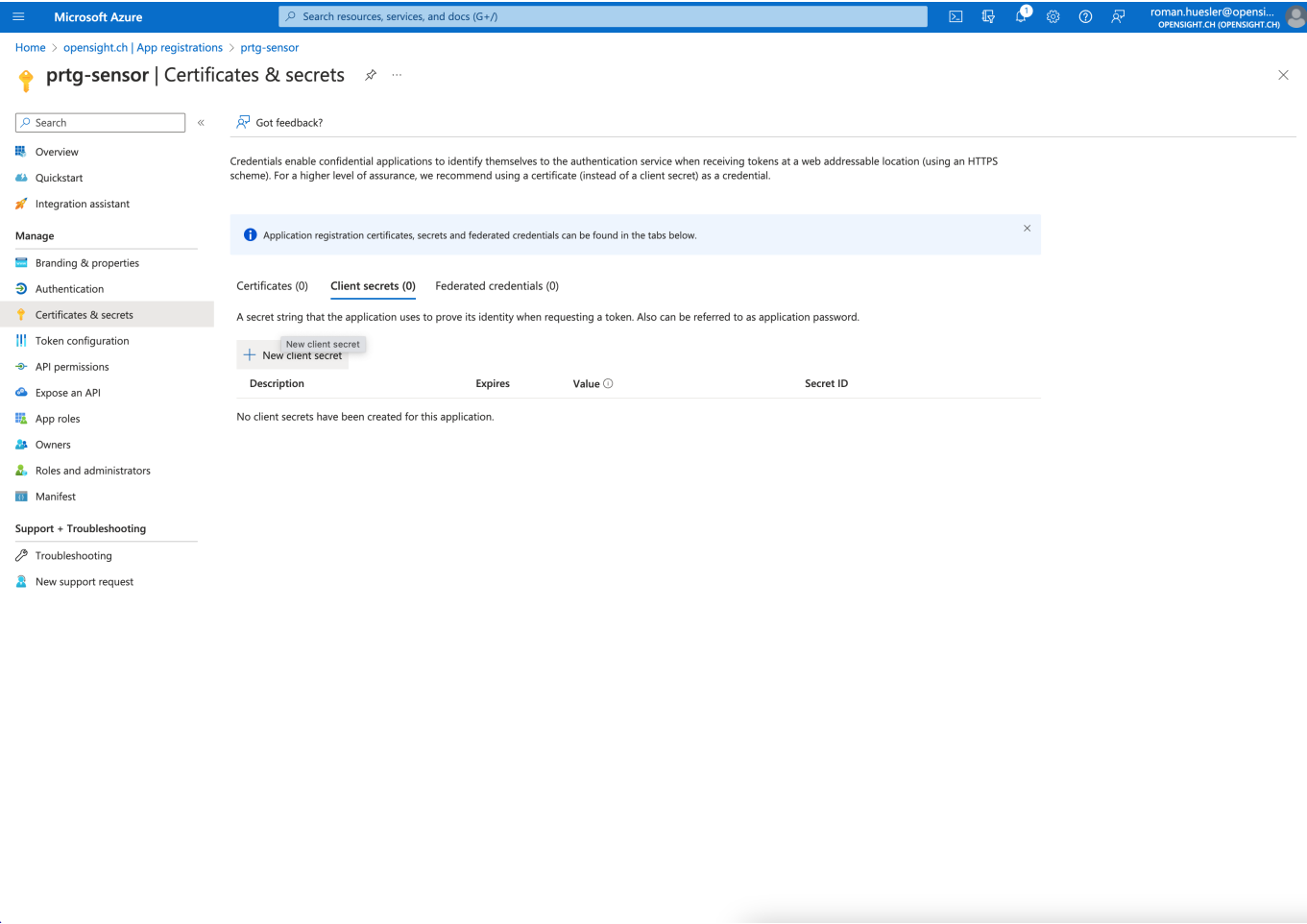
Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

By proceeding, you agree to the [Microsoft Platform Policies](#)

Register

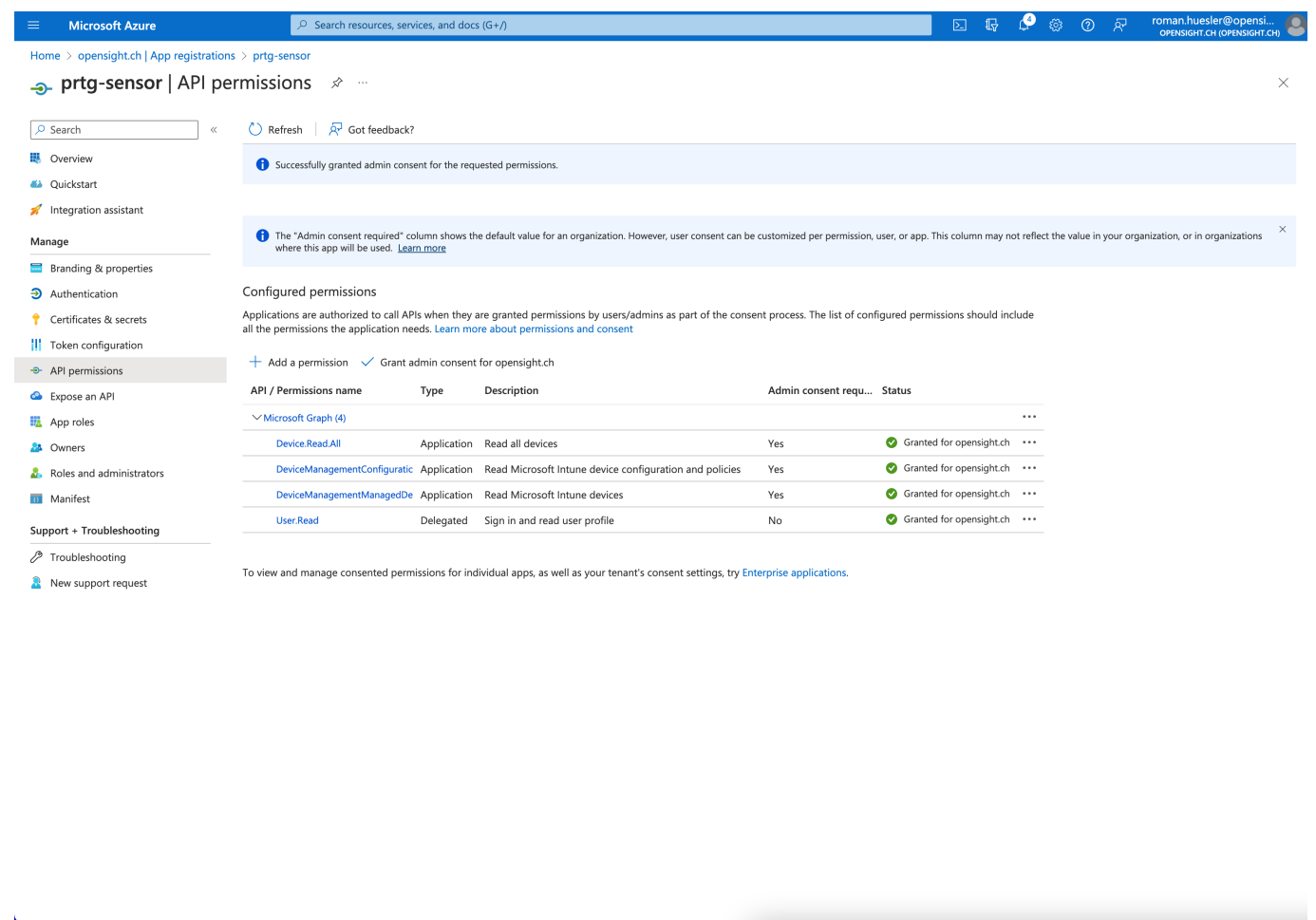
- Make note of the application id (script parameter -app\_id)
- Make note of the tenant id (script parameter -tenant\_id)

Create a new client secret in the app registration



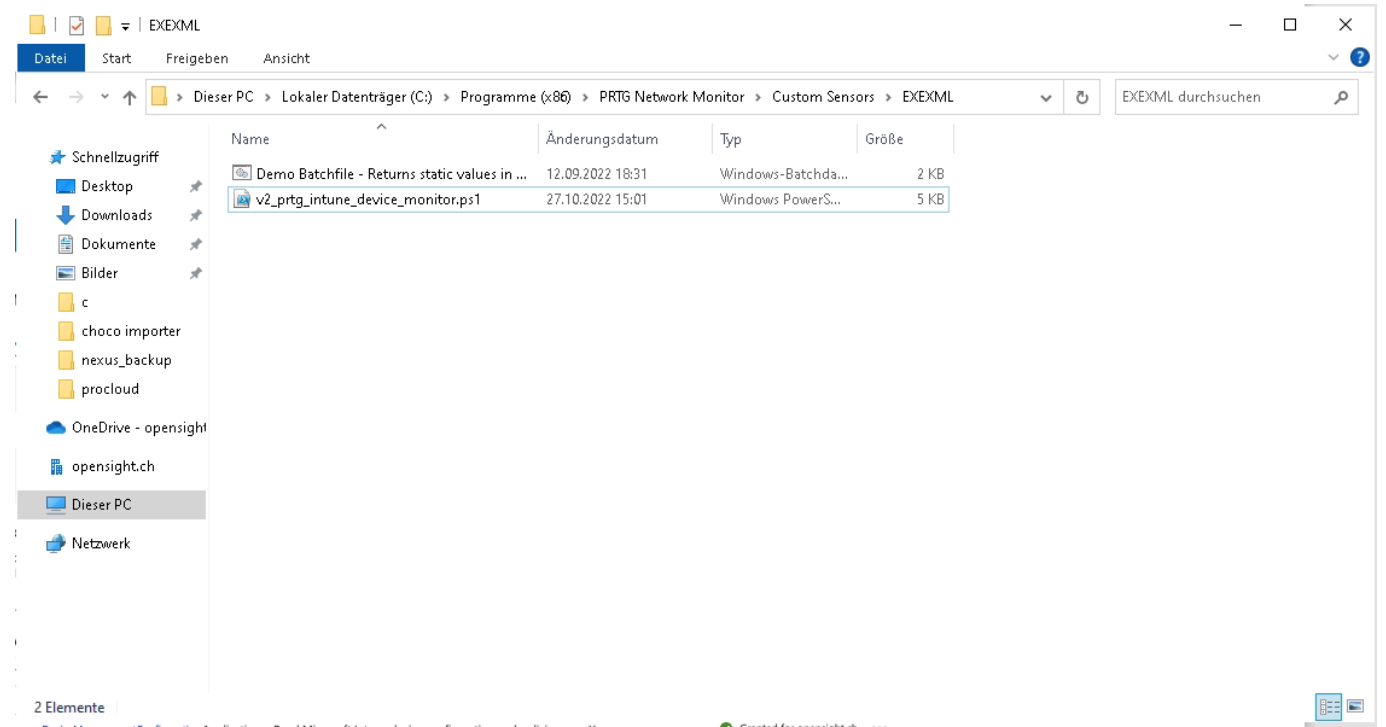
- Make note of the secret value (script parameter -client\_secret)

Grant the required permissions and give admin consent

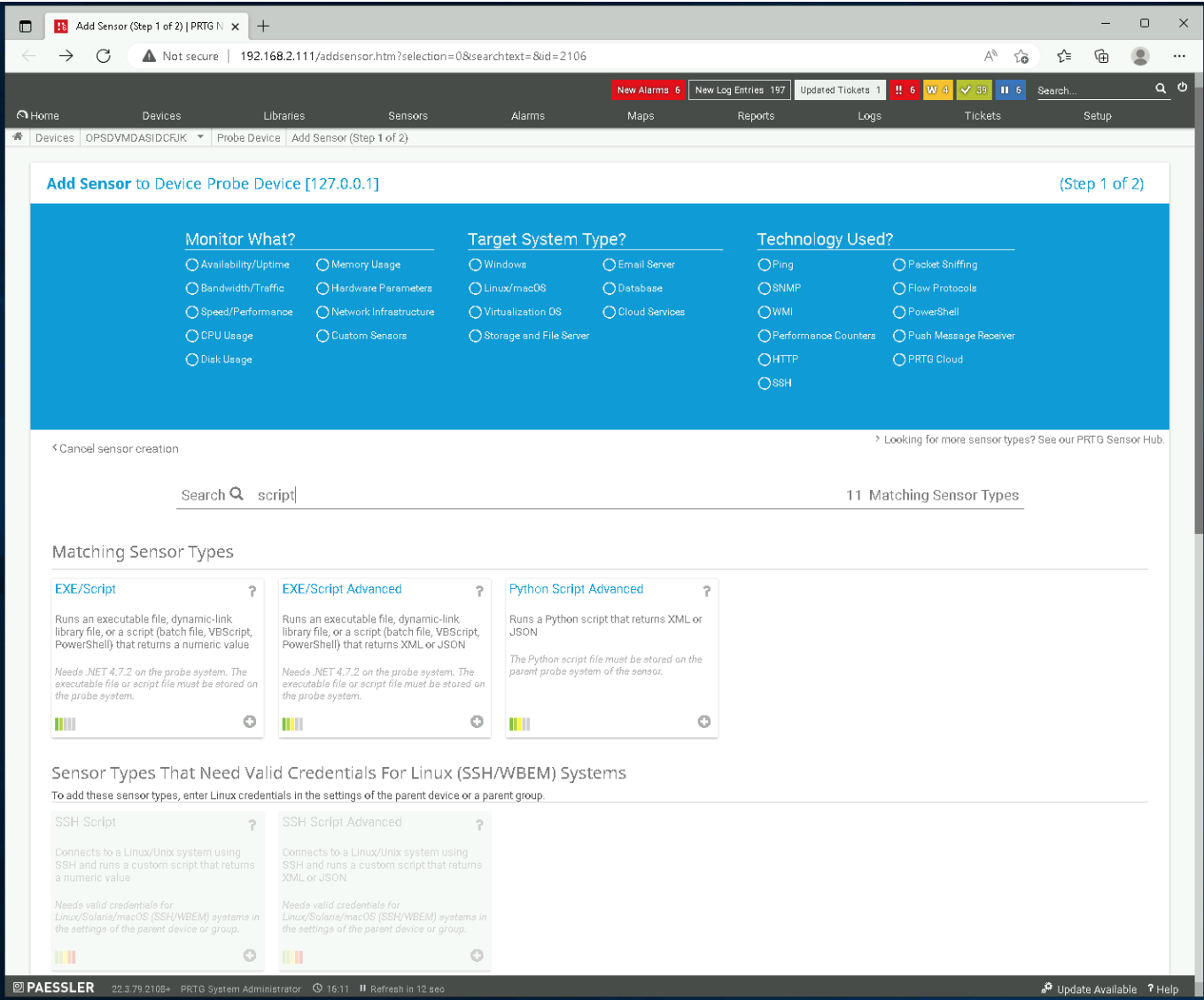


PRTG

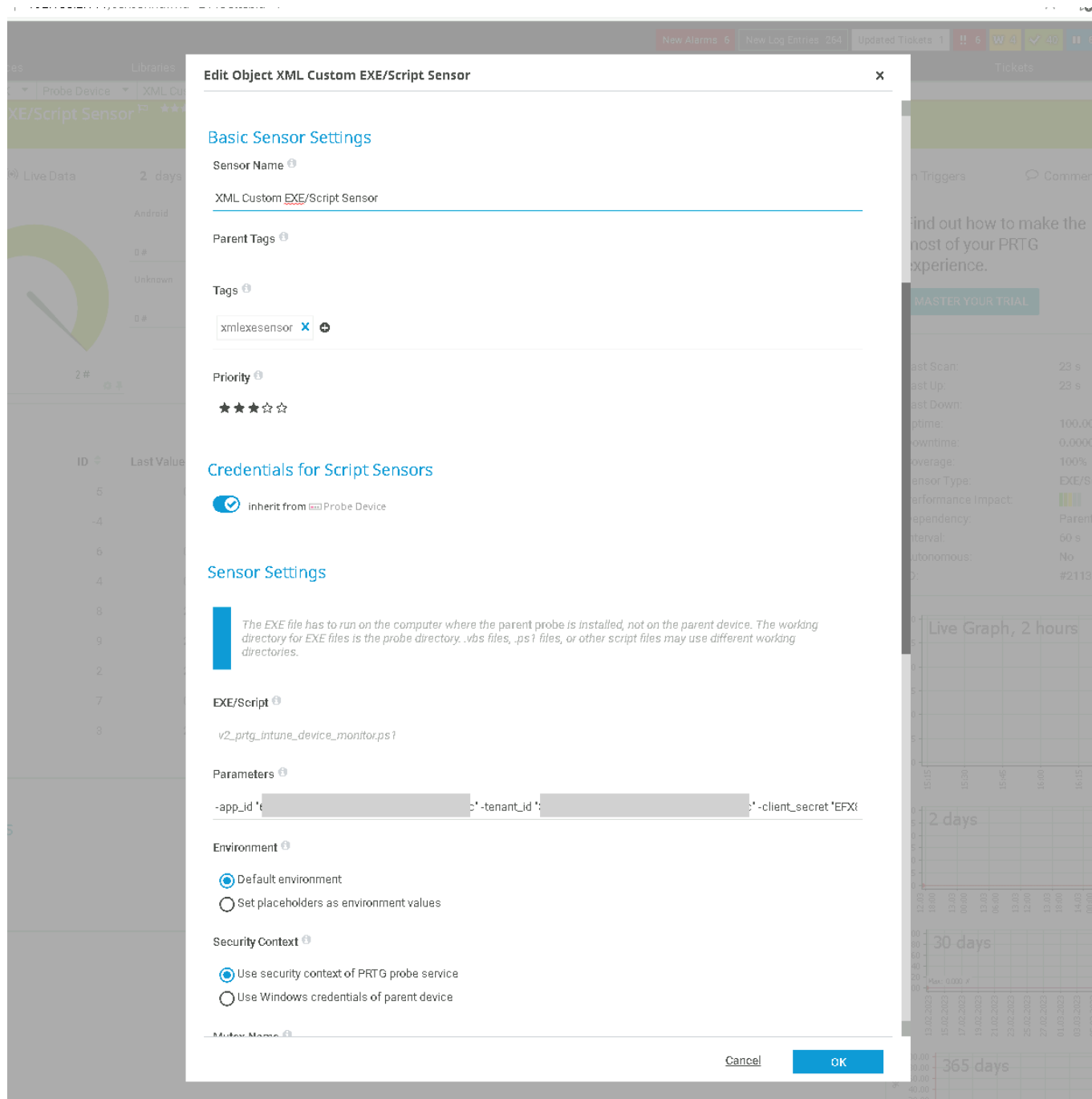
Put the sensor in the right location on the prtgsensor probe in the EXEXML folder



In PRTG create a new EXE/advanced probe



Add the parameters that were noted above to the sensor configuration



## Manual Testing

On the PRTG Probe, you can also test the sensor manually. Just open a powershell and type

```
. "C:\Program Files (x86)\PRTG Network Monitor\Custom
Sensors\EXEXML\v2_prtg_intune_device_monitor.ps1" -app_id "xxx-xxx-xxx-
xxx" -tenant_id "xxx-xxx-xxx-xxx" -client_secret "xxxxxxx"
```