

Dr Intune, how I stopped syncing and loved the enrollments





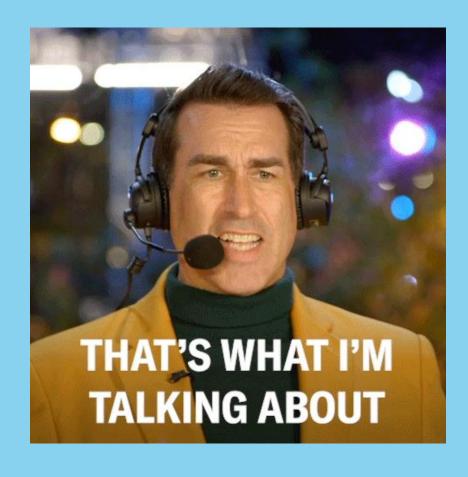
Who is that guy?

- Microsoft MVP
- Cloud Architect | Deltacom
- Blogger | Call4Cloud
- Twitter: @Mister_MDM
- Email: info@call4cloud.nl



• What do I love? Good Beer!!





1. The Two Enrollments

2. Taking a first look at Enrollment 2

3.Enrollment 2 Overview and maybe a Demo

4. The "Unknown Service"

5. Summary





A Small Warning!!! Or maybe not





1. The Two Enrollments



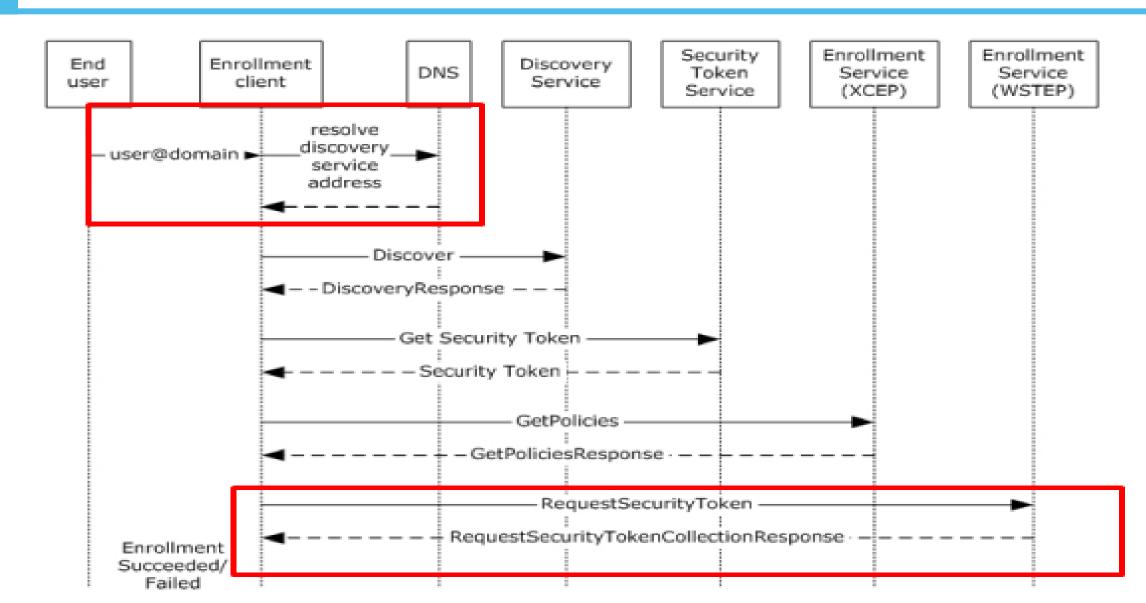


First Enrollment: Intune





The MDE Basics





2. Second Enrollment: EPM

Activate Endpoint Privilege Management (preview) for your tenant now

Manage how your organization handles requests for privileged access to apps and files on devices by creating rules for standard users to get just-in-time elevation.

You must activate this feature for your tenant during public pr activated, it can't be undone. No changes to devices will occur Intune policy.

Activate

Privilege Management Elevation Client Settings

Endpoint Privilege Management

Enabled

Send elevation data for reporting

Yes

Reporting scope

Diagnostic data and all endpoint elevations

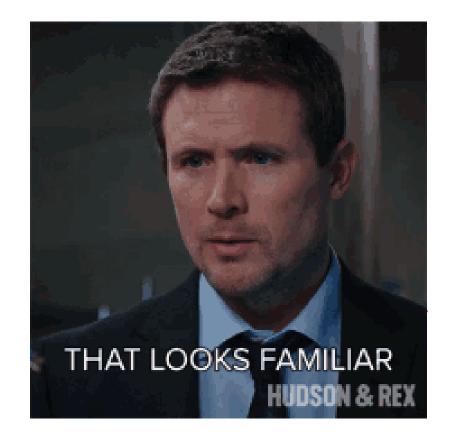
Default elevation response

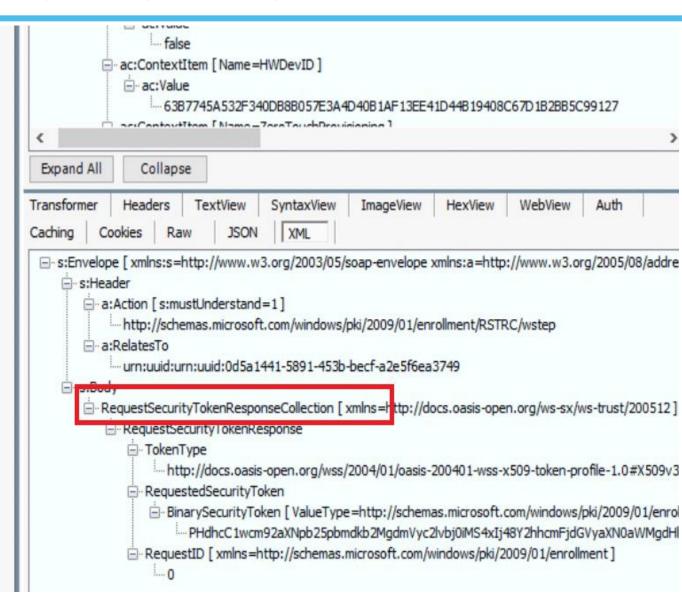
Deny all requests



EPM Enrollment Flow

Tunnel to	discovery dm microsoft com:443	.0
discovery.dm.microsoft.com	/EnrollmentConfiguration?api-version=1.0	590
enrollment.dm.microsoft.com	/deviceenrollmen rgetpolicies?clent-request-id=d8	2,439
enrollment.dm.microsoft.com	/deviceenrollment/enroll?dient-request-id=d884dc	12,371







What does it enroll to?





It will enroll into....

When activating EPM a CSP will be pushed to trigger...?



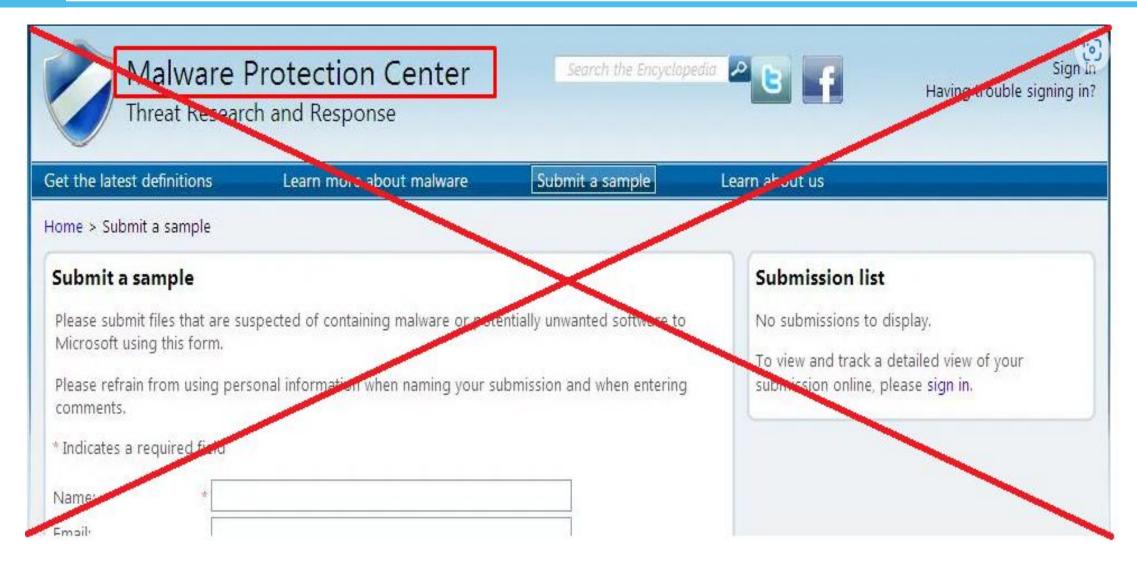
Trigger to enroll for the Linked Enrollment.

This is an execution node and will trigger a silent MMP-C enrollment, using the Azure Active Directory device token pulled from the Azure AD-joined device. There is no user interaction needed.

Okay... but what is MMP-C?



Microsoft Malware Protection Center





Microsoft Docs??



LinkedIn

https://www.linkedin.com > ...

And long live Linkedin!

- Principal Engineering Manager - Microsoft

Greater Seattle Area · Principal Engineering Manager · Microsoft

Overall Eng Leader (GC) for v1 product **MMPC** across multiple organizations. Owned... Worked on multiple high-scale, high-impact product areas for Microsoft:

- Microsoft Managed Platform Cloud

Overall Eng Leader (GC) for v1 product MMPC across multiple organizations. Owned design/architecture/engineering/release/security/perf for AP, WCOS check-in and reporting services. Developed algorithms & protocols to deliver pre-computed payload to a group of devices making check-in reliable and scalable. Managed MMPC team for check-in/reporting and drove project with 10-20 people across MMPC and Windows division.



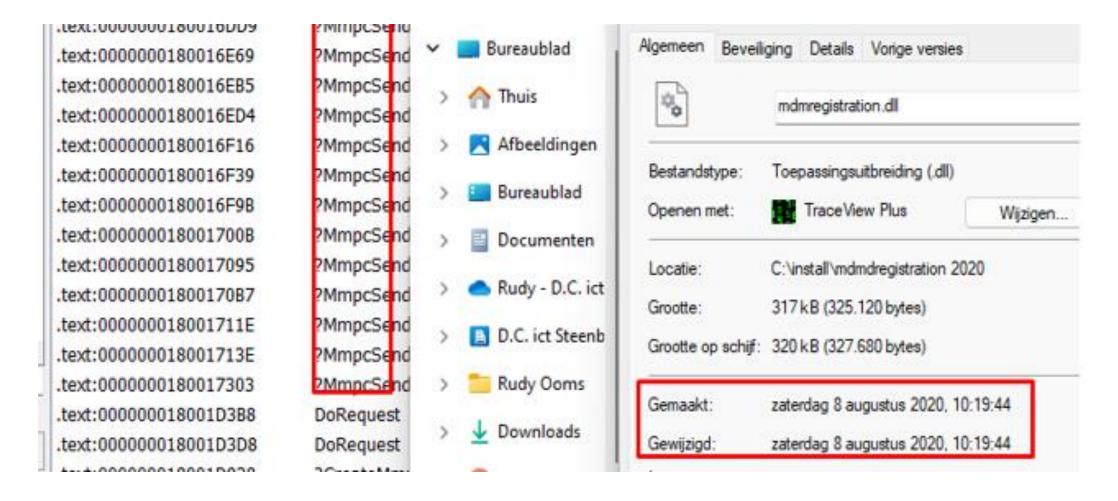
Microsoft Managed Platform - Cloud





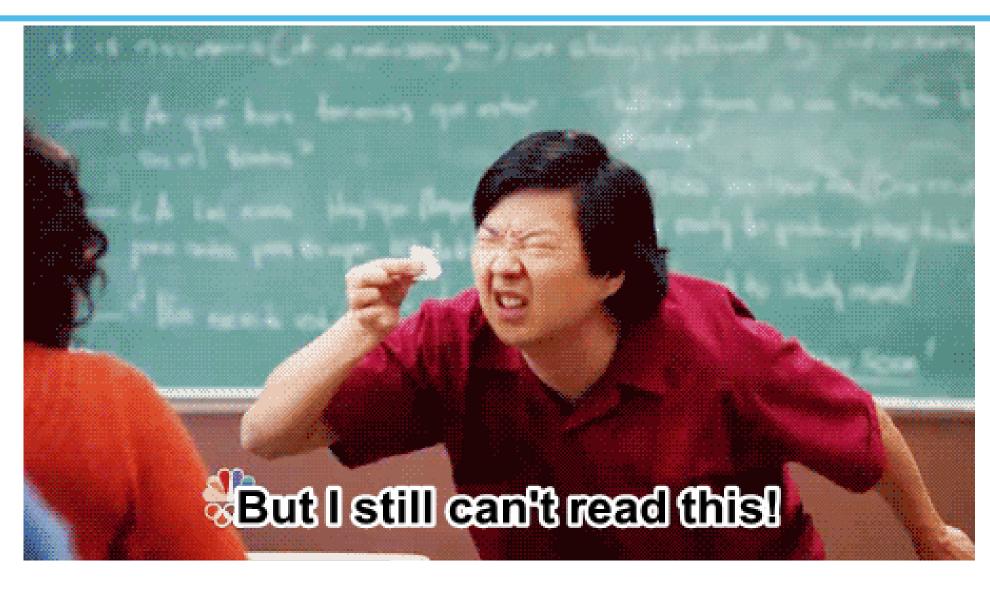
Something to think about!

MDMRegistration.dll from 2020 contains functions of MMPC



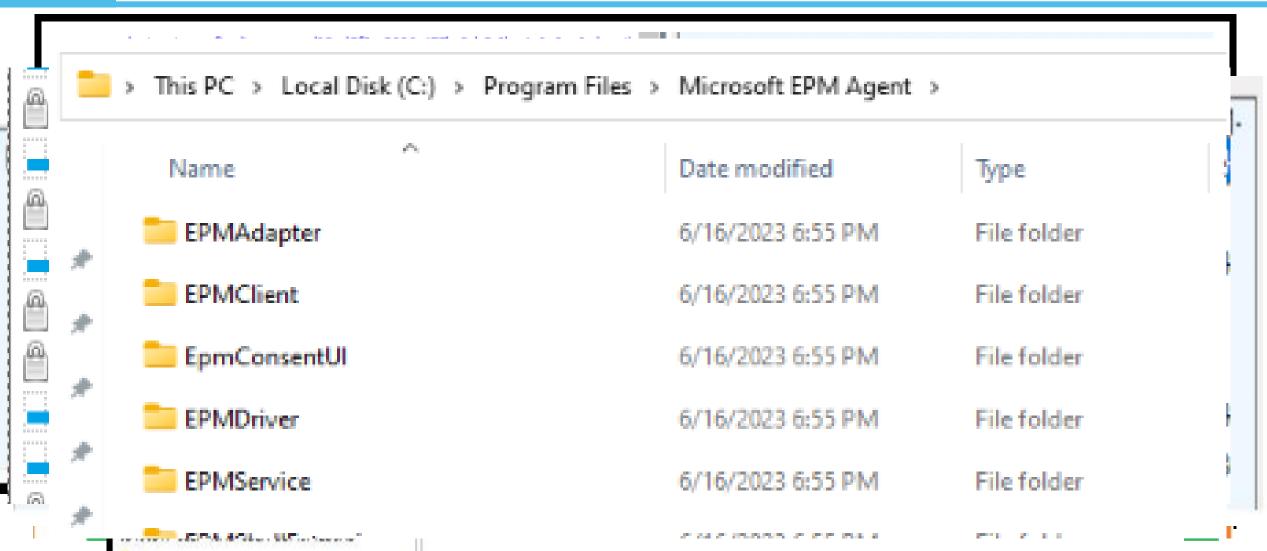


3. MMP-C Overview



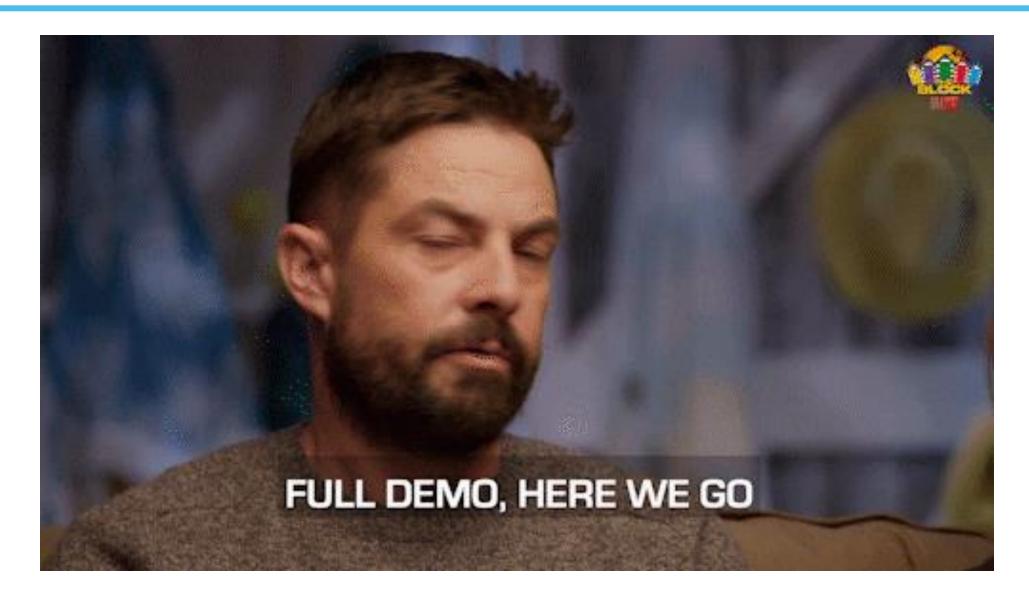


MMP-C Overview



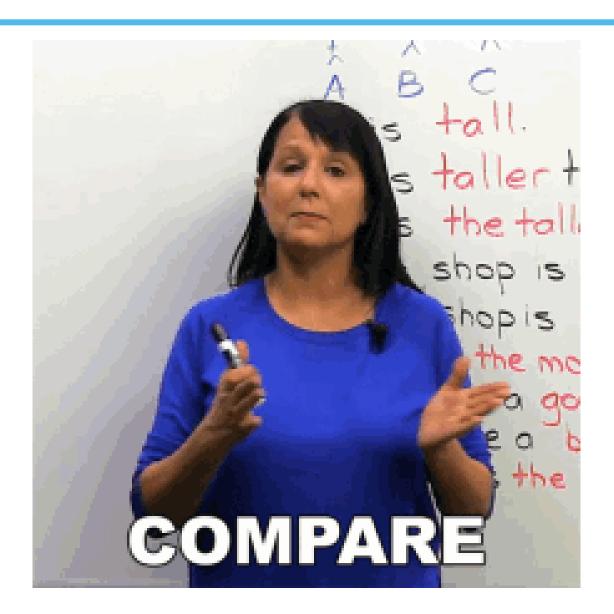


MMP-C Enrollment on the fly!



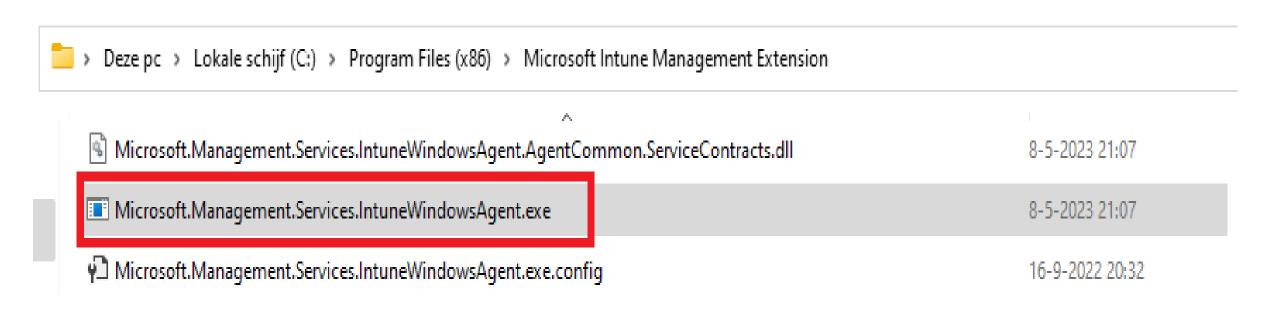


Intune Vs MMP-C





Intune has the IME



Microsoft Edge Update Service (edgeupdatem)	Hiermee bliift de software van Microsoft u	
Microsoft Intune Management Extension	Microsoft Intune Management Extension	Wordt uitgevoerd
IOI. Microsoft iSCSI Initiator Senzice	Hiarmaa wordan iSCSI (Internat SCSI)-cacci	



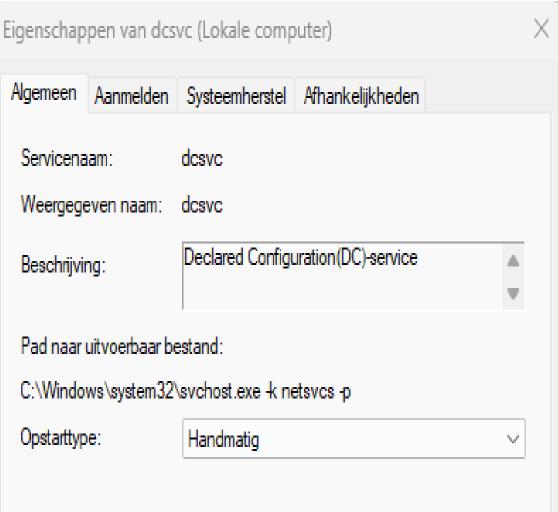
MMP-C has the??





4. The "Unknown" Service







KB5016691 "activated" DCSVC

August 25, 2022—KB5016691 (OS Build 22000.918) Preview

File information

For a list of the files that are provided in this update, download the file information for cumulative update 5016691.

dcsvc.dll, 10.0.22000.918","23-Aug-2022","16:24","937,472"

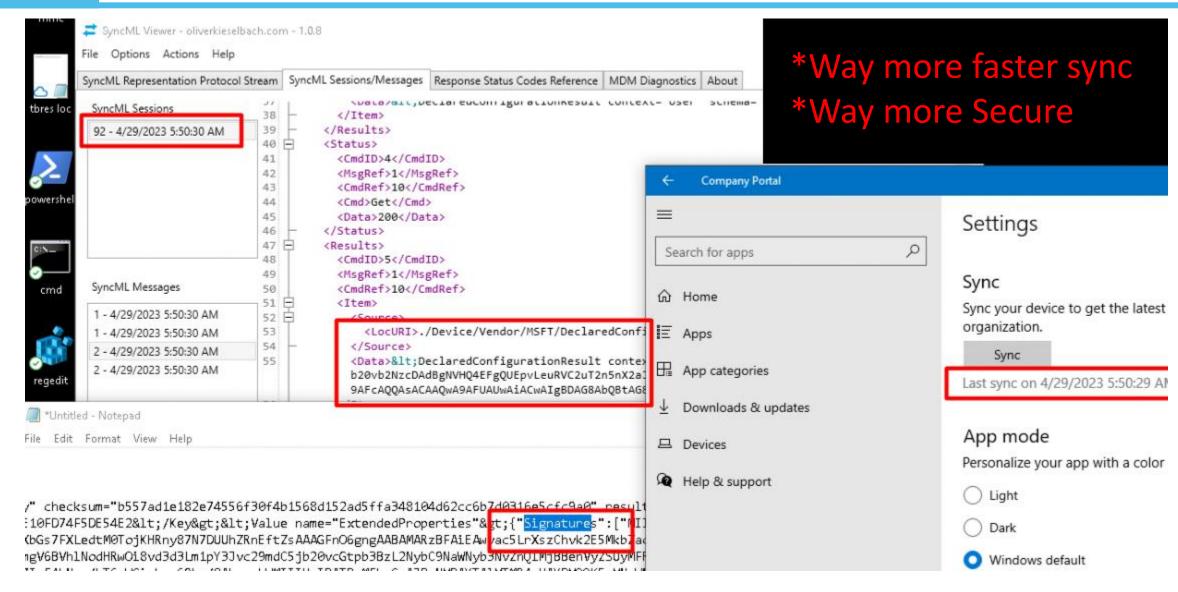


Declared Configuration Service (DCSVC)

```
<Get>
        <CmdID>9</CmdID>
        <Item>
          <Target>
                                   DeclaredConfiguration/most/Inventory/Results/622feab7-cf26-5846-dc0e-d21dbb13972e/Document</Lo
            <LocURI>./Device/Vendor/MSFT
          </Target>
        </Item>
       </Get>
       <Get>
        <CmdID>10</CmdID>
        <Item>
          <Target>
            <LocURI>./User/Vendor/MSF /DeclaredConfiguration/Hest/Inventory/Results/6c8d296c-327c-a39d-78d4-6c29ad639920/Document</LocURI>.
          </Target>
        </Item>
       </Get>
       <Replace>
        <CmdID>11</CmdID>
        <Item>
    Edit Format View Help
kDeclaredConfiguration context="User" schema="1.0" id="3c6f254c-965d-3fd7-9111 ff5f945976e4" ocdofinedcconario
  <DSC namespace="root/MicrosoftDeviceManagement_EpmExtensibility" className="EPMElevationRulesAdapter"</p>
    <Key name="MeID">8122a726-fd81-447a-873d-ccd4fd0b2cdf</Key>
                                                                                  EPMPAYLOAD
    <Key name="DocumentID">3c6f254c-965d-3fd7-9111-ff5f945976e4</key>
    <Key name="Version">322E734D1C271CCBE22B3693F50781DB33BEE61BF5EB676D266DCB68EFACB04D/Key>
    <Value name="ExtendedProperties">{"Signatures":["MIIRLgYJKoZIhvcNAQcCoIIRHzCCERsCAQExDzANBglghkgBZQMEAgMFA
ZRnEftZsAAAGFnO6gngAABAMARzBFAiEAwvac5LrXszChvk2E5MkbZacBtTLt53H4N99XzsaLH0oCIDwR3dkHcYAeWqp3ngun0iAkb15p+twq7
```

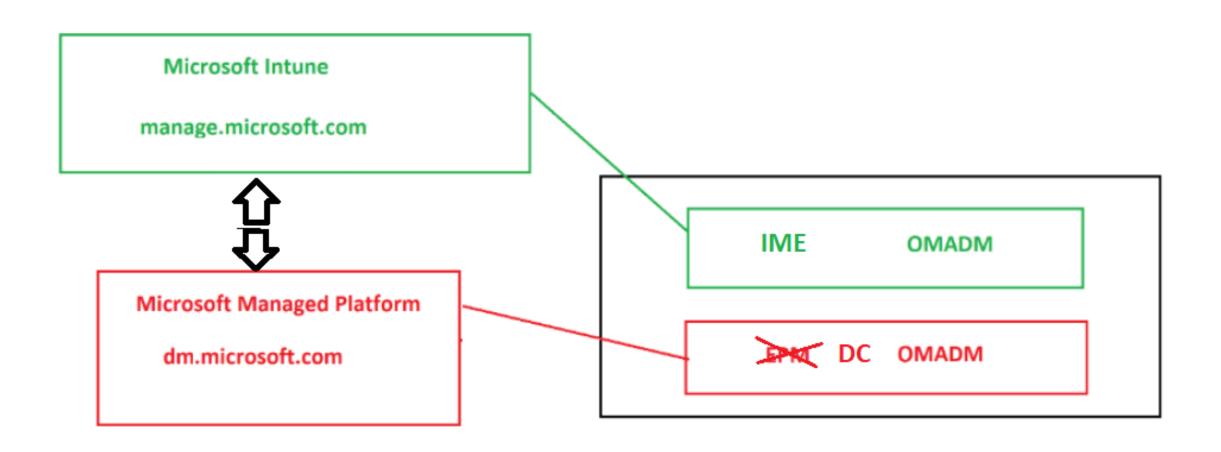


Faster and more Secure!



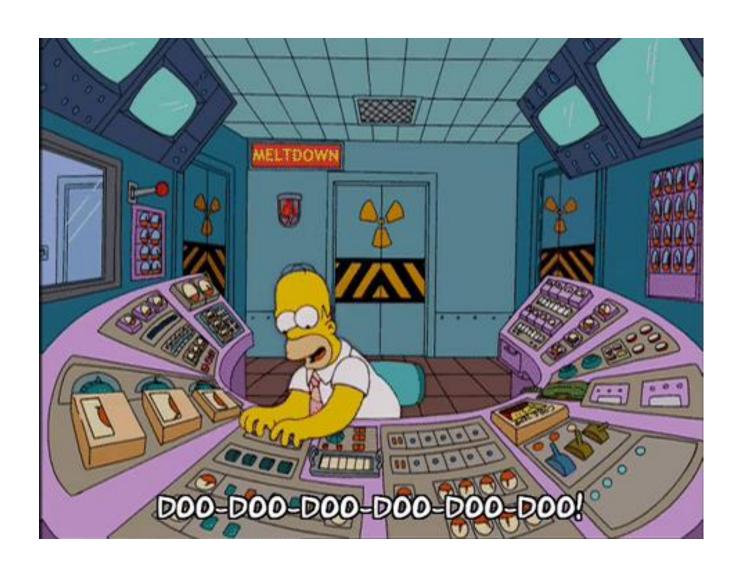


IME VS DCSVC





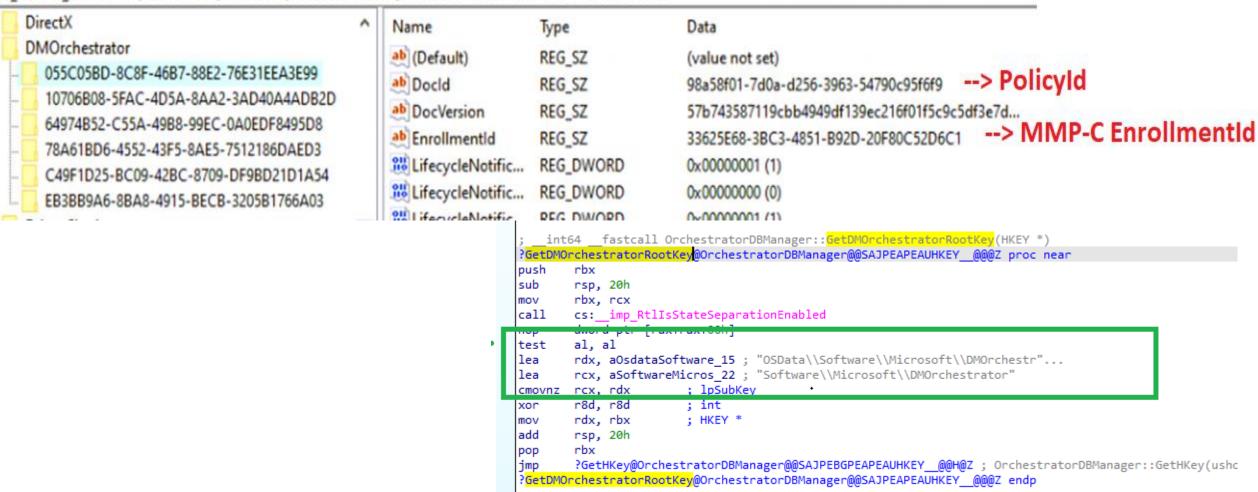
But who controls the DC?

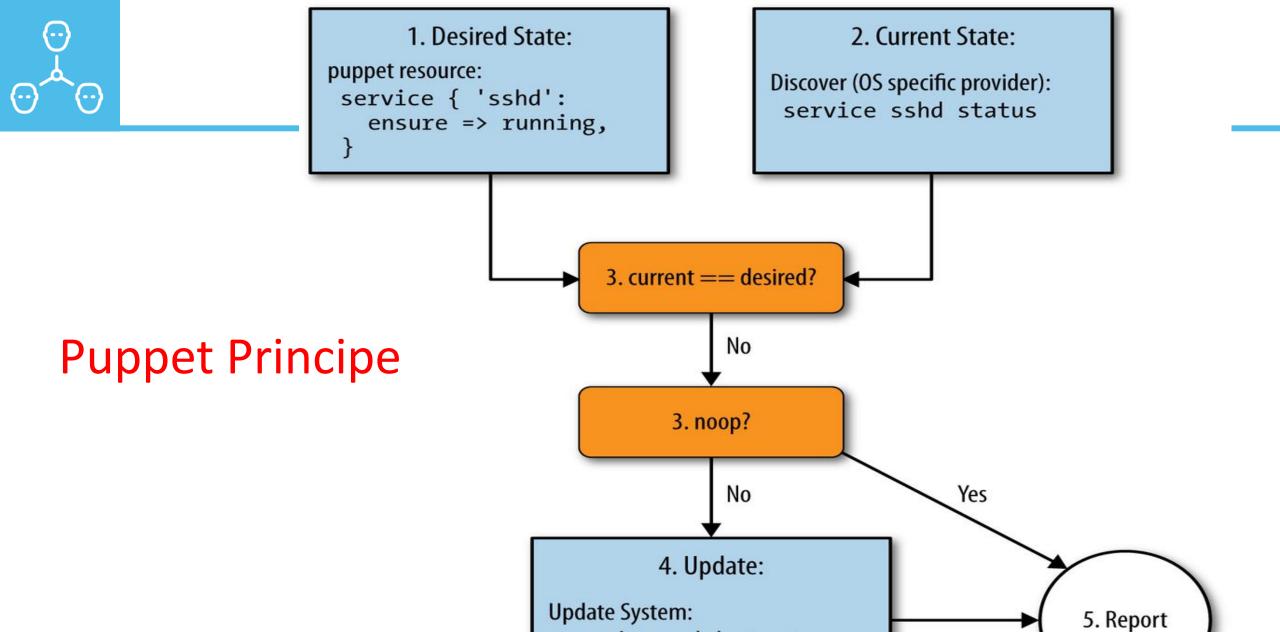




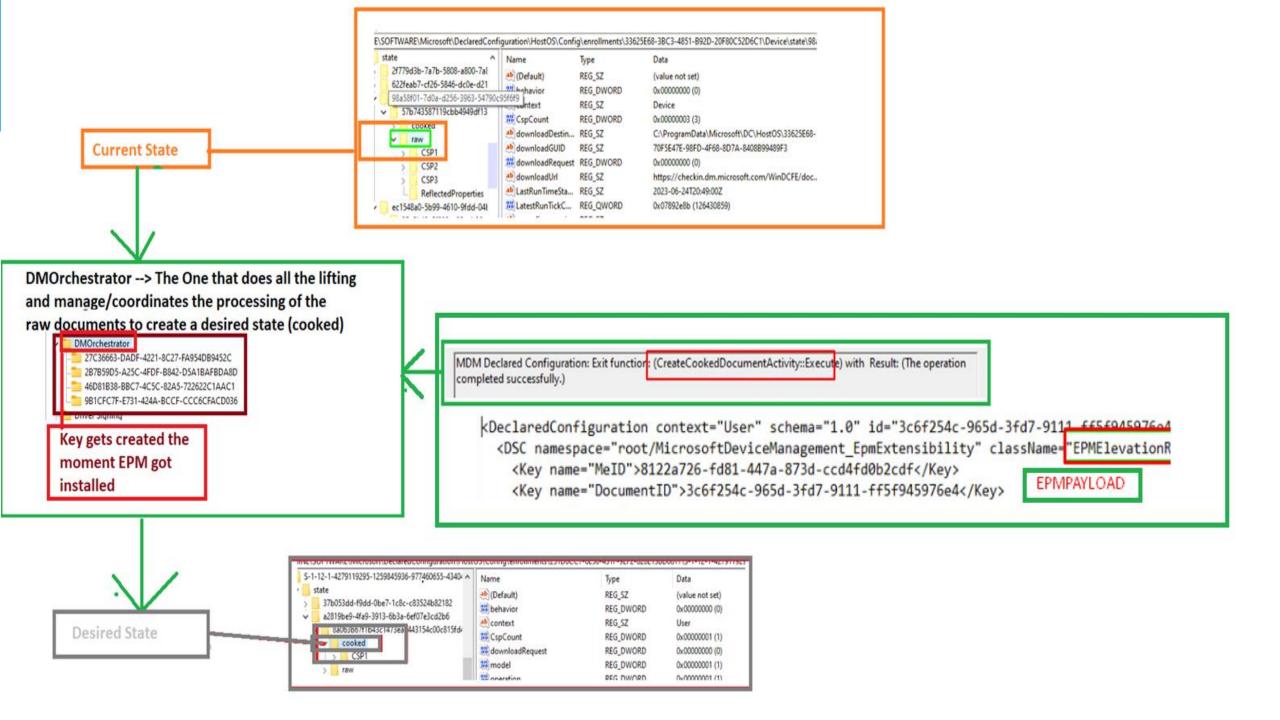
DMOrchestrator

:Y_LOCAL_MACHINE\SOFTWARE\Microsoft\DMOrchestrator\055C05BD-8C8F-46B7-88E2-76E31EEA3E99





service sshd start





Summary

- 1. EPM will trigger an enrollment into MMP-C
- 2. This enrollment is also called a Dual or LinkedEnrollment
- 3. Intune uses the Sidecar Agent/IME → MMP-C uses DCSVC
- 4. The DMOrchestrator is the main operator!
- 5. MMP-C Sync is way faster and way more secure
- 6. MMP-C is Intune v2! (In my humble opinion)
- 7. MMP-C is NOT something new!!



