

February 6<sup>th</sup>-7<sup>th</sup>

# nic

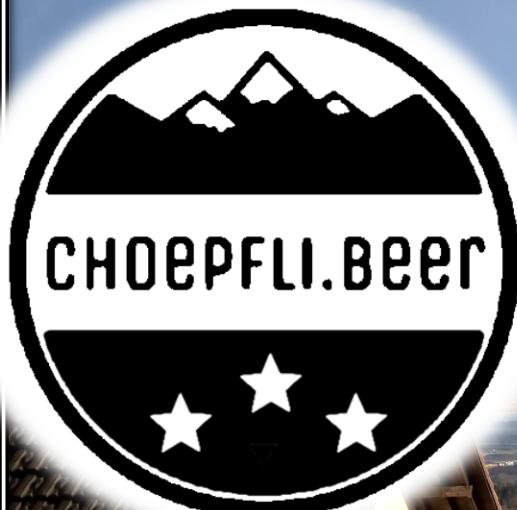
## 20/20 VISION

Oslo Spektrum



# **Desktop Analytics: The new Swiss Army knife for your Windows as a service solution**

**@mirkocolemburg**





# About me...



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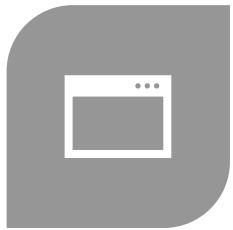


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# Agenda



WINDOWS  
ANALYTICS



HOW DESKTOP  
ANALYTICS WORKS



DESKTOP  
ANALYTICS  
WALKTHROUGH



THINGS TO KNOW



Windows Analytics is a free solution that provides data-driven insights to reduce the cost of deploying, servicing, and supporting Windows 10

## Upgrade Readiness

**Prepare your environment**

**14K** Total computers    **1** Computers upgraded

Computers with no system or application issues known to Microsoft. Attention may be needed to resolve driver issues before starting a pilot project.

**5K**

**OVERVIEW**

	COUNT	
Total computers	14K	OK to pilot, fixed during upgrade
Computers upgraded	1	No known issues
Total applications	58K	
User changes	Up to date	

**Run a pilot**

Computers with no issues known to Microsoft. Select the computers you want to use in a pilot and then report this list to your software distribution solution.

**Prioritize applications**

Assign importance levels to prioritize the applications you plan to test and validate. Applications installed on 2% or less of user's computer inventory are included in the list.

Last updated 11/10/2016 at 03:09 PM

Export computers

**Plan upgrades** by identifying devices that are ready, identify and resolve app and driver compatibility blockers

Pre-Upgrade

## Update Compliance

**GENERAL OS UPDATE OVERVIEW**

**15.5K** Total devices    **1.5K** Devices need attention

Last updated on 6/8/16 at 13:28:45 UTC

NEEDS ATTENTION	DEVICE COUNT
Failed update	201
Out of support OS	534
Fallen too far behind	873

**OS UPDATE STATUS**

OS VERSION	UP-TO-DATE	NOT UP-TO-DATE	NEEDS ATTENTION
1507	3.5K	2K [335]	—
1511	12K	5K [154]	—
1507	10	4 [2]	—

**OS QUALITY UPDATE STATUS**

OS VERSION	CURRENT	NOT CURRENT	NEEDS ATTENTION
1507	3.5K	2K [335]	—
1511	0	12K [445]	—
1507	0	14 [2]	—

**OS FEATURE UPDATE STATUS**

OS VERSION	CURRENT	NOT CURRENT	NEEDS ATTENTION
1507	3.5K	2K [335]	—
1511	0	12K [445]	—
1507	0	14 [2]	—

**OS COMPLIANCE**

DEVICE COUNT	
% Up-to-date	15K

**Ensure update and antimalware compliance** with timely reports for all your devices (even those on the

Post-Upgrade

## Device Health\*

**DEVICE RELIABILITY**

**Device Reliability**

Overview

These reports provide you with insights into OS kernel crash events occurring in your organization so that you can take actions to reduce them.

**FREQUENTLY CRASHING DEVICES**

**OVERVIEW**

See which devices are crashing the most. Flattening or replacing outliers may help increase average device reliability. The chart at the top shows daily counts of devices crashing in the last two weeks. The list at the bottom shows devices with the most crashes in the last week.

DEVICE	CRASH COUNT
lives_pc	124
james_pc	122
Yann_pc	139
Mrs_pc	94
—	—
—	—
—	—
—	—

**DRIVER-INDUCED OS CRASHES**

**OVERVIEW**

See which drivers have caused the most devices to crash in the last two weeks; upgrading or replacing these drivers can help reduce the number of crashes.

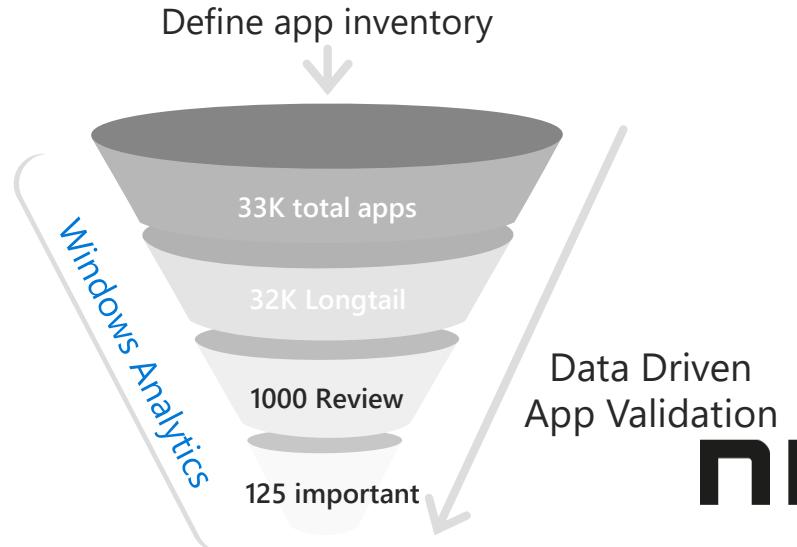
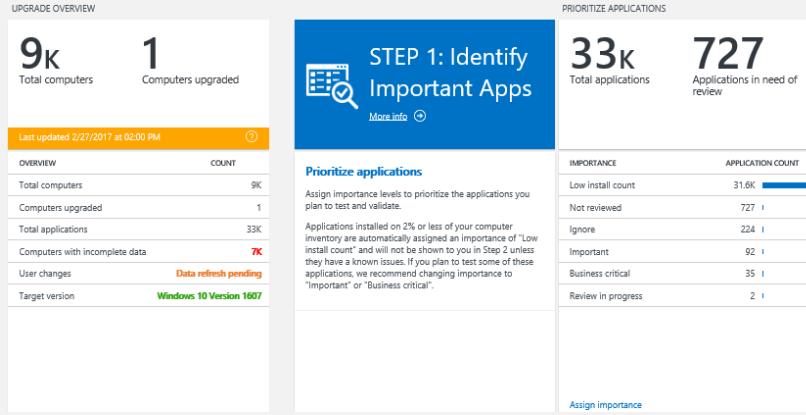
DRIVER	INSTALS	DEVICES CRASHED
gms.sys	12.1K	62
foo.sys	84	61
ben.sys	43	1

**Reduce support costs** by pro-actively identifying and remediating top end-user impacting issues



# App Rationalization

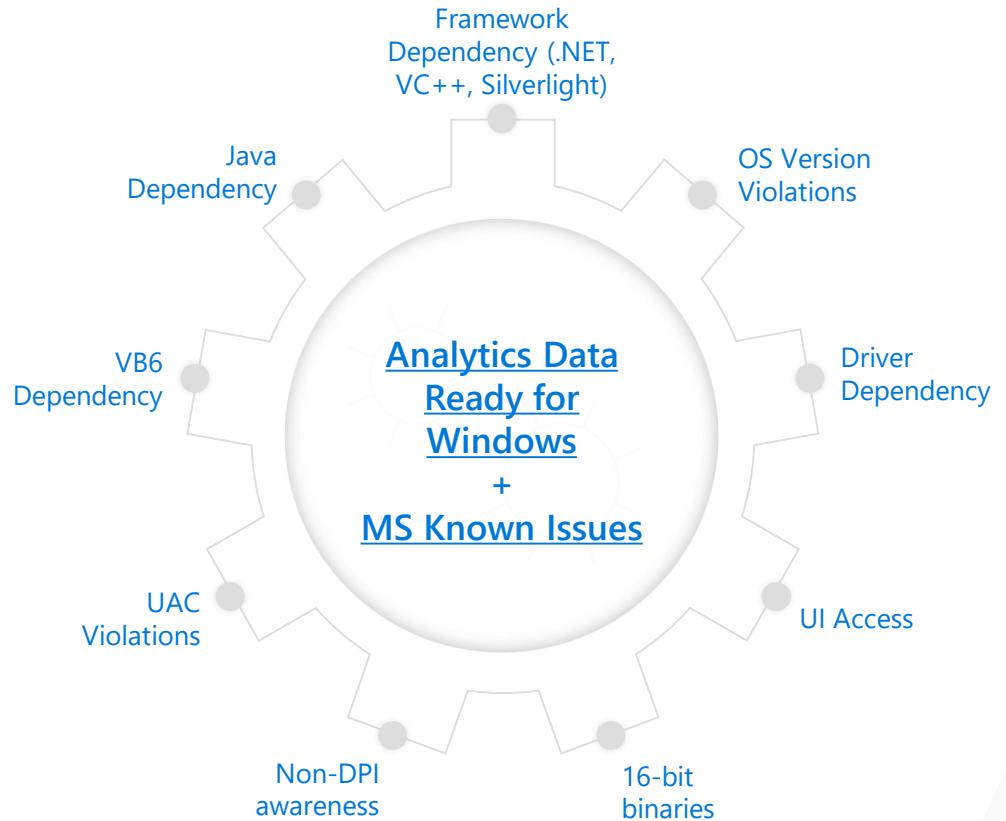
Upgrade Readiness, based on telemetry data from users computers, identifies application and driver compatibility issues that may block Windows upgrades, allowing you to make data-driven decisions about your organization's upgrade readiness



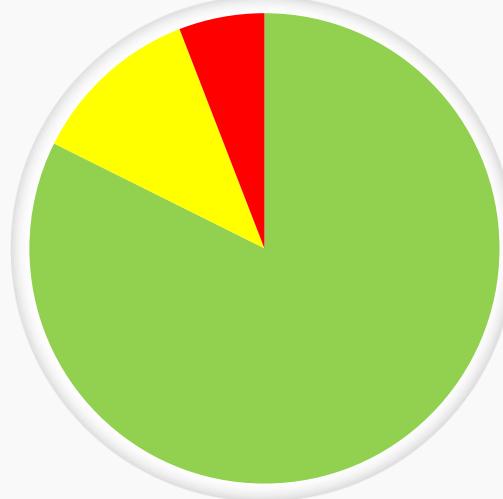


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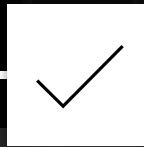
# App Confidence Engine



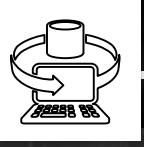
## Risk Assessment with Possible Remediations



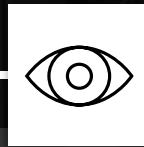
# Transforming Deployment Strategies



Compatible by design

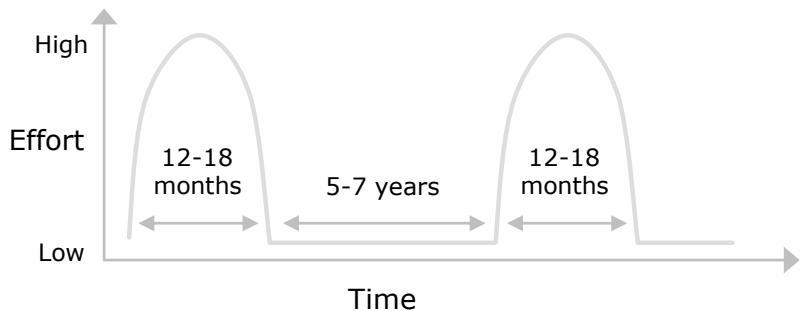


Leveraging Telemetry to  
general meaningful  
insights

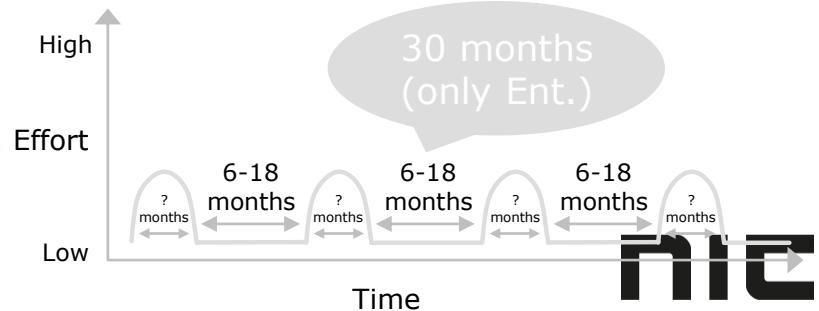


Focus on critical assets  
and leveraging pilots for  
broader validation

Traditional adoption model

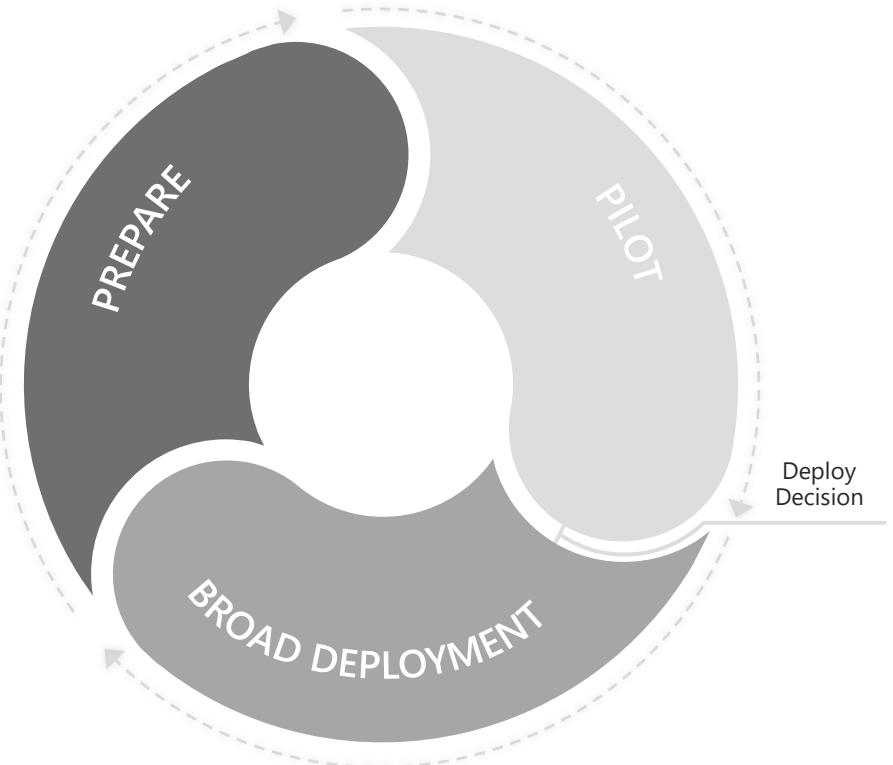


Current adoption model



# M365 Deployment and Servicing Framework

Moving from project to process



## Prepare (Plan and Develop)

- Work with Insider and Preview builds
- Identify Innovation
- Design and Plan usage



## Pilot (Validate Critical Apps)

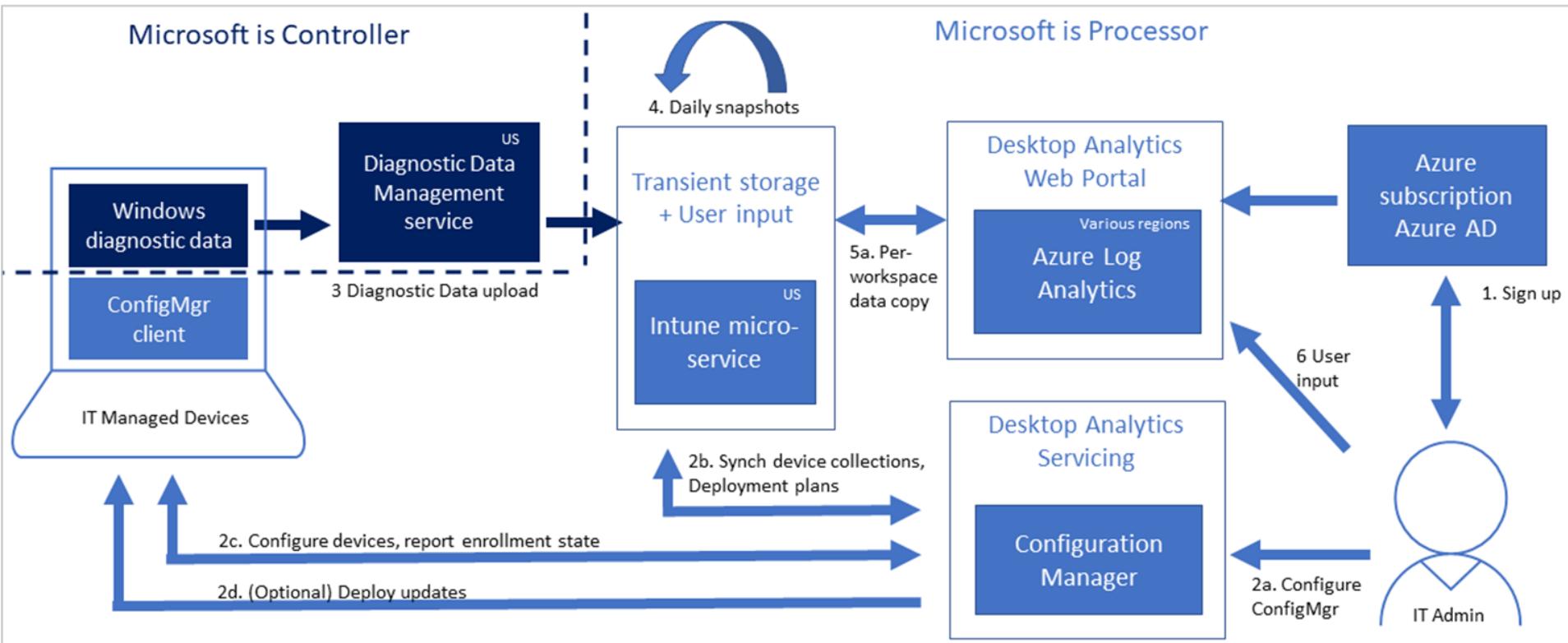
- Deploy ongoing new innovation for validation
- Move forward unless blocked
- React if issues encountered



## Broad Deployment

- Deploy to all the devices in the organization
- Delight End users and Business partners

# How it Works



# to many when, or, doesn't, no's....

- Can I migrate inputs from Windows Analytics?
  - Yes, when you set an existing Windows Analytics workspace as Desktop Analytics workspace during Initial onboarding. If you create a new workspace, or select one that's not a Windows Analytics workspace, Desktop Analytics doesn't migrate your inputs.
- Can I migrate from multiple Windows Analytics workspaces?
  - No, you can only select one Windows Analytics workspace from which to migrate inputs. If you own multiple Windows Analytics workspaces, select one that best benefits your organization.
- I've chosen to migrate, where can I find the inputs on Desktop Analytics?
  - Once devices are enrolled, to see the migrated inputs in the Desktop Analytics portal, go to Manage > Assets > Apps.
- When can I see my migrated inputs?
  - The migration process is transactional. You'll see either all inputs migrated without corruption, or no migrated inputs at all. If you don't see the migrated inputs in 24 hours, contact Microsoft Support. Start tagging apps as you see the migrated inputs. If you've already tagged some apps, Desktop Analytics keeps those inputs in case they conflict with the inputs from Windows Analytics.
- Can I use Update Compliance together with Desktop Analytics?
  - Yes. If you use Update Compliance in the Azure portal today, you can continue to do so now and beyond January 2020.

# Are there any Windows Analytics features that aren't available in Desktop Analytics?

Yes, the following Windows Analytics features will either be retired or aren't yet available in Desktop Analytics:

- **General**
  - Support for scenarios that don't require Configuration Manager. For example, [Intune support](#). (no need for that)
  - Licensing prerequisite of any valid Windows license versus E3, E5
  - Support for multiple workspaces per Azure AD tenant
  - Ability to run custom queries and export raw solution data
  - Data model documentation for custom reports
- **Upgrade Readiness**
  - Internet Explorer Site Discovery data
  - [Office add-in insights \(now available in Configuration Manager\)](#)
  - Feedback Hub insights

# Still not

- **Update Compliance**
  - Support for Windows Update for Business (OOL)
  - Delivery Optimization insights
  - Support for Windows 10 long-term servicing channel (LTSC)
  - Windows Insider reports
  - Windows Defender status
- **Note**
  - All existing Update Compliance features, including those not available in Desktop Analytics, remain available in the [Update Compliance](#) solution in the Azure portal.
- **Device Health**
  - Driver health
  - App health (outside of a deployment plan)
  - Frequently crashing devices or driver-induced crashes
  - Windows sign-in health
  - Windows Information Protection
  - Support for Windows Server

# Still not

- Other
- Can I use Desktop Analytics for my Office 365 ProPlus upgrades?
  - No, Desktop Analytics is focused on Windows. Microsoft developed Desktop Analytics in close collaboration with many customers. Customer feedback is about how Desktop Analytics improves their ability to confidently manage Windows deployments. They also tell us they want Office 365 ProPlus readiness more closely integrated with Office management tools in Configuration Manager and Intune. Microsoft continues to invest in those areas, while focusing on Windows scenarios in Desktop Analytics.
- How can I provide feedback about Desktop Analytics?
  - To share your feedback about Desktop Analytics, select the **Send a Smile** icon at the top of the portal. Include a screenshot with your submission to help Microsoft better understand your feedback. You can also submit product suggestions and upvote other ideas on UserVoice.
-

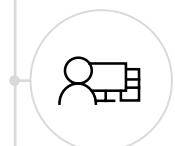
# Introducing Desktop Analytics



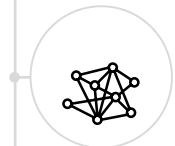
Single pane of glass for getting and staying current across Windows 10 and *Office 365 ProPlus*



Deep integration with Microsoft management tools



Richer app and Office macro insights with App Health Analyzer and Readiness Toolkit for Office

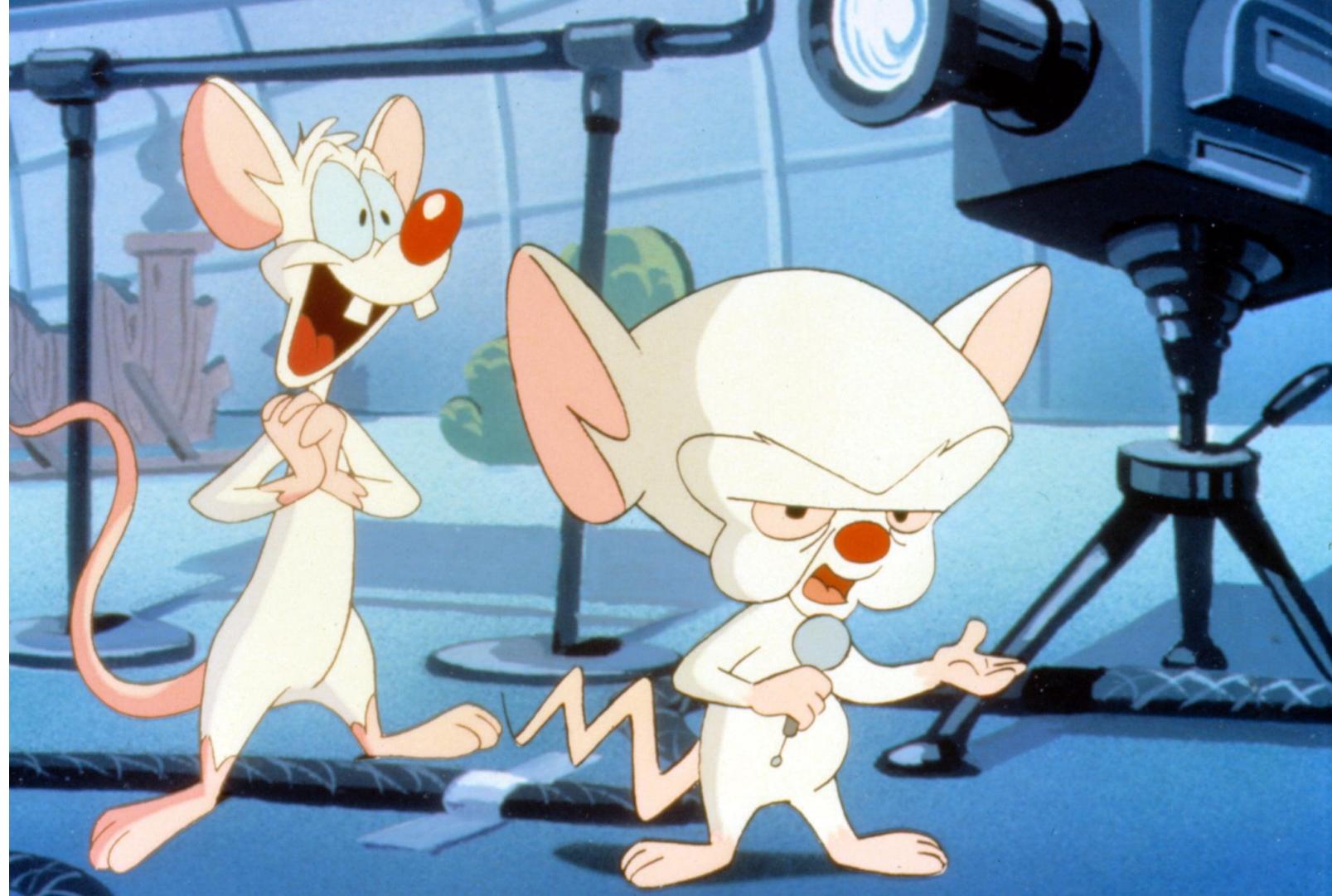


Data-driven pilot ring creation

The screenshot shows the Microsoft Device Management interface. On the left is a navigation sidebar with icons for Home, Manage, Deployment plans, Assets, Global Settings, and Global pilot. The main area is titled "Home" and shows the following data:

- Security updates**: Compares update status across Windows and Office devices.

Category	Windows Devices	Office Devices
Latest	9%	32%
Latest-1	58%	2%
Older	21%	30%
Not measured	12%	36%
- Assets**: Counts 289K devices and 387K apps.
- Deployment plans**: Shows a single plan named "sBugBash-Wi..." with a target release of "Windows 10, version 1703;Office..." and 0% completion.



C

# Steps

- ❑ Setup a LogAnalytics Workspace
  - ❑ Create it in your favorite DataCenter
  - ❑ Use the right subscription / resources
- ❑ PrepairConfig Manager (1902 with update rollup (4500571) )
  - ❑ Create Collections with Devices you like DA on
  - ❑ Setup cloud Services -> Desktop Analytics
- ❑ Setup Desktop Analytics (devicemanagement.Microsoft.com)
  - ❑ Get the Commercial ID key
- ❑ Set the Commercial ID key in Config Manager Clients Settings
  - ❑ Deploy the settings to Collection

DEMO



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## Log Analytics workspaces

colemberg.ch MVP

[+ Add](#) [Edit columns](#) [Refresh](#) | [Assign tags](#)**Subscriptions:** [All 3 selected](#) – Don't see a subscription? [Open Directory + Subscription settings](#)

<input type="checkbox"/> Name ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓
<input type="checkbox"/>  AutomatedApps	AutomatedApps	West Europe	Microsoft Azure Sponsorship
<input type="checkbox"/>  ClientIntuneIntegrated	Intune	West Europe	Microsoft Azure Sponsorship
<input type="checkbox"/>  updateComplianceProd	SCCMProd	West Europe	Microsoft Azure Sponsorship
<input type="checkbox"/>  updateComplianceProd2	SCCMProd	Switzerland North	Microsoft Azure Sponsorship



Azure Services Wizard



Azure Services

Azure Services

App  
Discovery  
Summary  
Progress  
Completion

## Configure Azure Services

The wizard helps you deploy and configure Azure services through Configuration Manager.  
Select an Azure service and specify the name, description:

Name:

Description:

Cloud Management  
 OMS Connector  
 Microsoft Store for Business  
 Desktop Analytics  
 Upgrade Readiness

Description:  
Use Desktop Analytics to reduce the amount of time and effort required to understand compatibility for your organization. Use readiness data to only target devices that are ready to upgrade to the next version of Windows or Office, and receive recommendations on how to optimize your pilot population.

< Previous    **Next >**    Summary    Cancel



## Configuration

## Azure Services

## App

## Collections

## Diagnostic Data

## Available functionality

## Summary

## Progress

## Completion

## Select collections for Desktop Analytics

Choose a memorable name to identify this Configuration Manager environment in Desktop Analytics.

Display name

Select a collection that contains all the devices to configure for Desktop Analytics.

Target collection

All Systems

[Browse...](#)

Devices in the target collection use a user-authenticated proxy for outbound communication

No



Select additional collections to synchronize with Desktop Analytics. You can use these collections in your deployment plans. [Learn more](#)

Collection Name	Collection ID
Collections that are in my scope 01	PM200014
Collections that are in my scope 02	PM200016
Collections that are in my scope 03	PM200017

[Add](#)[Remove](#)[< Previous](#)[Next >](#)[Summary](#)[Cancel](#)

Azure Services Wizard

Configuration

Azure Services

App

Collections

Diagnostic Data

Available functionality

Summary

Progress

Completion

## Diagnostic Data

To enable system, driver, application, and Office diagnostic data to be shared with Microsoft, you must configure user devices to send data. [See what diagnostic data Microsoft collects, and how that data is used and protected by Microsoft.](#)

[Microsoft Privacy Statement](#)

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The Enhanced (limited) diagnostic data level limits Enhanced diagnostic data to the minimum required by Desktop Analytics on devices running Windows 10 version 1709 or later. If you select Enhanced (limited), devices that run Windows 10 version 1703 or earlier only report basic diagnostic data. [Learn more](#)

Commercial data opt-in is enabled on Windows 7 and Windows 8.1 devices in the target collection independent of your selection. [Learn more](#)

Windows 10 diagnostic data level

Enhanced (limited) ▾

Basic  
Enhanced (Limited)  
Enhanced  
Full

Allow device name in diagnostic data

Enable ▾

Enable  
Disable

Starting with Windows 10 version 1803, the device name is no longer collected by default and requires a separate opt-in.

By default, devices show notifications when changes occur to diagnostic data levels. Users can change levels in settings (Windows 10 version 1803 and later). [Learn more](#)

< Previous

Next >

Summary

Cancel



# Sync needs Time, because it's cloud



nic

# Steps

- ✓ Setup a Loganalytics Workspace
  - ✓ Based in your favorited DataCenter
  - ✓ Use the right subscription / ressources
- ✓ PrepairConfig Manager (1906 and later)
  - ✓ Create Collections with Devicese you like DA on
  - ✓ Setup cloud Services -> Desktop Analytics
- Setup Desktop Analytics ([devicemanagement.Microsoft.com](https://devicemanagement.Microsoft.com))
  - Get the Commercial ID key
- Set the Commercial ID key in Config Manager Clients Settings
  - Deploy the settings to Collection

## Desktop Analytics



Home

>Welcome to Desktop Analytics! You will need to enroll devices in Configuration Manager to populate your workspace.

We are processing your data. If this message persists for more than 72 hours, you may be having connection health issues.

## Desktop Analytics

Home

### MANAGE

Deployment plans

Assets

### MONITOR

Security updates

Feature updates

### GLOBAL SETTINGS

Global pilot

Connected services

### HELP AND SUPPORT

Help and Support

We are processing your data. If this message persists for more than 72 hours, you may be having connection health issues

Troubleshoot

## Home

Snapshot contains: *error in loading data*. [Learn more](#)

### Security updates

Windows



### Feature updates

Windows

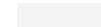


● Latest ● Latest-1 ● Older ● Not Measured

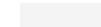
● In service ● Near end of service ● End of service ● Not Measured

### Assets

Enrolled devices



Apps



## Desktop Analytics

Home

### MANAGE

Deployment plans

Assets

### MONITOR

Security updates

Feature updates

### GLOBAL SETTINGS

Global pilot

## Connected services

Save

Enroll devices

Your Microsoft subscriptions

Confirmed

Configure users and apps access

Configured

Your workspace

0

managed devices

ent

with Desktop Analytics yet.

□

Commercial ID key

5489095b

Get new ID key

Not seeing devices managed in Assets?

It could be because you haven't given permissions to [Log Analytics](#) or given Log Analytics Reader Role access to `MAAnalyticsReader` for the workspace. For more information, see the [troubleshooting](#) instructions.

It could take up to 36 hours to show up due to data latency. View the report to see devices sooner.

[View recent data](#)

## New devices

This table shows devices that have been associated with your organization in the last 7 days.

Previous Page 1 Next Page

1 devices found

Device Name ▼	OS version ▼	Manufacturer ▼	Model family ▼	Time ▼
Unknown	1903	Microsoft	Virtual Machine	2020-02-05T04



DEMO



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## Enroll devices

Connect your devices to send data to Desktop Analytics. Not sure what to do or need to troubleshoot? [Learn more about enrolling your devices](#)

### Enrolled devices

Devices sending data

0

out of 0 managed devices

### Information

Commercial ID key

54890

[Get new ID key](#)



DA settings



General

**Windows Analytics**

Security

## Custom Device Settings



Specify the settings for devices. These settings override the default settings when they are assigned to a collection.

Specify a Commercial ID key and configure data settings to enable Windows Analytics related telemetry reporting.

### Device Settings



Manage Windows telemetry settings with Configuration Manager. [Learn more about managing Windows Telemetry](#)

Yes

Commercial ID key:

5489C

Windows 10 telemetry:

Full

Windows 8.1 and earlier telemetry:

Disable

Enable Windows 8.1 and earlier Internet Explorer data collection for:

Disable

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# Steps

- ✓ Setup a Loganalytics Workspace
  - ✓ Based in your favored DataCenter
  - ✓ Use the right subscription / resources
- ✓ PrepairConfig Manager (1906 and later)
  - ✓ Create Collections with Devices you like DA on
  - ✓ Setup cloud Services -> Desktop Analytics
- ✓ Setup Desktop Analytics (devicemanagement.Microsoft.com)
  - ✓ Get the Commercial ID key
- ✓ Set the Commercial ID key in Config Manager Clients Settings
  - ✓ Deploy the settings to Collection

## Desktop Analytics

Home

**MANAGE**

Deployment plans

Assets

**MONITOR**

Security updates

Feature updates

**GLOBAL SETTINGS**

Global pilot

Connected services

**HELP AND SUPPORT**

Help and Support

## Home

Snapshot contains: Device data received by 10/21/2019 03:00:00 AM, Admin changes entered by 10/22/2019 01:08:31 AM. [Learn more](#)

### Security updates

Windows  
2 devices



● Latest ● Latest-1 ● Older ● Not Measured

### Feature updates

Windows  
2 devices



● In service ● Near end of service ● End of service ● Not Measured

### Assets

Enrolled devices

2/5

Troubleshoot enrollment

Apps

82

### Deployment plans

DEMO



nic

## Desktop Analytics

[Home](#)

## MANAGE

[Deployment plans](#)[Assets](#)

## MONITOR

[Security updates](#)[Feature updates](#)

## GLOBAL SETTINGS

## Deployment plans

[+ Create](#) [Remove](#)

Name	Status	Target release	Completion date	Number of devices	% Complete
<a href="#">ESPO test</a>	Active	Windows 10, version 1903	Dec 1, 2019	1	0%

## Desktop Analytics

[Home](#)**MANAGE**[Deployment plans](#)[Assets](#)**MONITOR**[Security updates](#)[Feature updates](#)**GLOBAL SETTINGS**[Global pilot](#)[Connected services](#)**HELP AND SUPPORT**[Help and Support](#)

⌚ Snapshot contains: Device data received by 10/21/2019 03:00:00 AM. Admin changes are up to date. [Learn more](#)

## Manage all assets

This table displays all of the assets we have detected within your organization. Click across the tabs to see a comprehensive inventory across all of your different asset types

[Devices](#)[Apps](#)

### Total Apps

All the apps we detected in your organization

**82**

Total Apps

### Noteworthy Apps

These apps are installed on greater than 2% of devices in your organization

**82**

Noteworthy Apps

0

0

81

1

Critical

Important

Not important

Not reviewed

[Edit](#)[Name](#) ▼[Vendor](#) ▼[Version](#) ▼[Language](#) ▼[Total installs](#) ▼[Importance](#) ▼[Owner](#) ▼[Support statement](#) ▼[Type](#) ▼

Microsoft Photos

Microsoft Corporation

2019.19021.1...

English (Unit...

1

Not important

[Yes](#) ▾

Modern

## Desktop Analytics

[Home](#)

## MANAGE

[Deployment plans](#)[Assets](#)

## MONITOR

[Security updates](#)[Feature updates](#)

## GLOBAL SETTINGS

[Global pilot](#)[Connected services](#)

## HELP AND SUPPORT

[Help and Support](#)

## Security updates

Windows 10

Office is missing

## Windows Security Update

100% of total devices 2 are measured.

Windows  
2 devices

0%                    100.00%

● Latest   ● Latest-1   ● Older

## Adoption Goal

Goal: 95% by Tue Oct 15 2019

0%

7 days past due

Channel: All

**1809**

1 Devices

0%

[View More](#)**1803**

1 Devices

0%

[View More](#)

## Desktop Analytics

&lt; Security updates

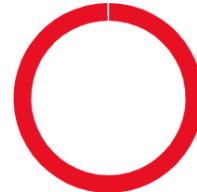
Deployment status

## Security update deployment status for 1809 devices

You can review the deployment status of the devices where you install security update on 1809 devices. Click the Need attention tab to see devices that may require your attention. In the case of a deployment attempt to provide information about the failure as well as our recommended remediation.

### Windows 10

#### Deployment progress

[View recent data](#)

Completed	0
Need attention	1
Not started or in progress	0

#### Devices that need attention

These devices have issues with the deployment and need your attention

**1**

Need attention

0	0	0	1
Failed	Canceled	Uninstalled	Stuck

Not Started

In Progress

Completed

Need attention - Devices

Need attention - Issues

Previous

Issue type ▾

Error code ▾

Total devices ▾

Error Descript... ▾

Stuck

NA

1

The update is stu...

Desktop Analytics - Microsoft 365

[https://rc-devicemanagement.portal.azure.com/?feature.dashboardupanddown=true#blade/Microsoft\\_M365\\_ManageClient/ManageClientFr...](https://rc-devicemanagement.portal.azure.com/?feature.dashboardupanddown=true#blade/Microsoft_M365_ManageClient/ManageClientFr...)

Microsoft 365 Device Management

Dashboard > Desktop Analytics

## Desktop Analytics

Deployment plans

Snapshot contains: Device data received by 10/10/2019 05:00:00 PM. Admin changes are up to date. Learn more

### Prepare pilot

To get your pilot devices ready to upgrade, there are some assets you need to review across tabs. As you review the assets in the table below, change the Upgrade decision for each asset.

PREPARE

- Identify importance
- Identify pilot
- Prepare pilot**

PILOT

- Deployment status
- Prepare production

DEPLOY

- Deployment status
- Monitor health

Assets that need readiness decision

Set apps with an upgrade decision



42 Apps needs upgrade decision  
0 Apps that have an upgrade decision

Asset Types

42 Apps

With known issues

Compatibility risk factors

High

MS known issues	Ready for Windows	Support statement
Application is removed during upgrade	Insufficient data	None

Readiness insights

No insights found

App details

Name	Vendor	Version	Language	Plan install %	Plan device count
Microsoft Network...	Microsoft Corpor...	3.4.2350.0	English (Unit...)	778	4.8%
Intel Bluetooth	Intel	Unknown	645	4%	568

Intel Bluetooth

This app was assessed for common compatibility insights. Learn more

Upgrade decision: Not reviewed

Importance: Low install count

Owner: [Redacted]

**Recommendation:** Application is removed during upgrade. Microsoft recommends: Application is removed during upgrade due to compatibility issues. No action is required for upgrade to proceed. This affects 568 devices.

Compatibility risk factors: High

MS known issues: Application is removed during upgrade

Ready for Windows: Insufficient data

Support statement: None

## Desktop Analytics

&lt; Deployment plans

**ESPO test**

Edit

Snapshot contains: Device data received by 10/21/2019 03:00:00 AM, Admin changes entered by 10/22/2019 01:08:31 AM. [Learn more](#)Target population  
2 groups selectedTarget Windows release  
Windows 10, version 1903

Plan overview

Plan assets

**PREPARE**

Identify importance

Identify pilot

Prepare pilot

**PILOT**

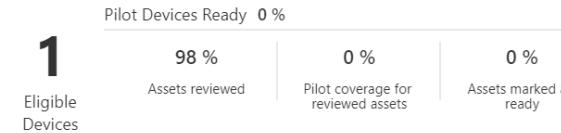
Deployment status

Prepare production

**DEPLOY**

Deployment status

Monitor health

**Deployment progress**0 of 1  
Devices upgraded      0%  
Completed**End of support**413 days left  
Windows | 12/08/2020**Target completion**40 days left  
Deployment | 12/01/2019**Deployment Steps****1. Prepare****2. Pilot**

Production Devices Ready 0 %

**Prepare****1** assets need review  
Review assets important to your organizationIdentify pilot devices  
Review devices to add to pilot group0 assets blocking pilot deployment  
Review assets to prepare pilot devices

- Microsoft known issues
- Ready for Windows
- Advanced insights
- Driver risk assessment

Desktop Analytics - Mic X +

https://rc-devicemanagement.portal.azure.com/?feature.dashboardupanddown=true#blade/Microsoft\_M3

## Microsoft 365 Device Management

Dashboard > Desktop Analytics

### Desktop Analytics PREVIEW

< Deployment plans

- Plan overview
- Plan assets

**PREPARE**

- Identify importance
- Identify pilot
- Prepare pilot

**PILOT**

- Deployment status
- Prepare production

**DEPLOY**

- Deployment status
- Monitor health

## Monitor health

Review the following health alerts for your environment. By clicking on an asset, you can see detailed information about the health of that asset. Assets with a Health status of 'Attention needed' will likely require a remediation. Health status is determined based on signals from all devices in your organization which are on the target release.

[Learn more](#)

### Apps

Show only: Attention Needed (0) Meeting Goals (423) Insufficient Data (179) No Data (209)

Name	Vendor	Version	Language	% Sessions w...	% Devices wi...	De
Microsoft Teams	Microsoft Corporati...	1.100.31860	English (Unit...)	0.3%	5.7%	2,0
Settings	Microsoft Corporati...	10.0.2.1000	English (Unit...)	0.7%	4%	1,5
Windows Shell Ex...	Microsoft Corporati...	10.0.17134.1...	English (Unit...)	1.1%	2.9%	1,3

## Health status factors Meeting goals

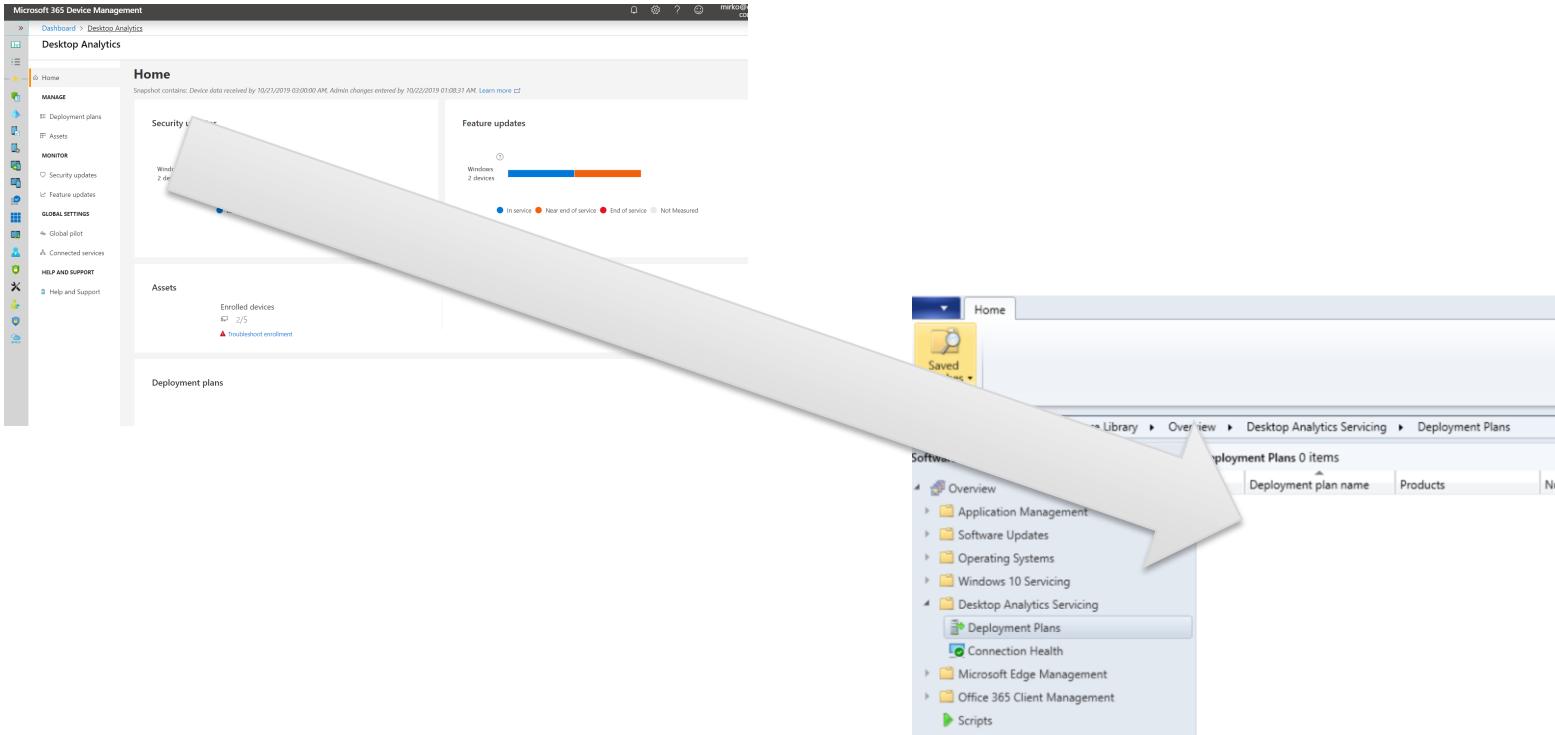
### % Devices with crashes



### % Sessions with crashes



# Sync



nic

# Steps

- ✓ Configuration of a Deployment Plan in DA
  - ✓ sync down to Config Manager
- ❑ Check Config Manager
  - ❑ Dashboard
  - ❑ Deployment Plans
  - ❑ Collections
- ❑ Create a Tasksequence you like to use for Update
  - ❑ Deploy
  - ❑ Phase Deployment

DEMO



nic



Create Phased Deployment  
ESPO test

Software Library Overview Desktop Analytics Servicing Deployment Plans ESPO test

Software Library

- Overview
- Application Management
- Software Updates
- Operating Systems
- Windows 10 Servicing
- Desktop Analytics Servicing
  - Deployment Plans
    - ESPO test
  - Connection Health
- Office 365 Client Management
- Scripts

## ESPO test

### Preparing upgrade decisions - overall status

Asset readiness and importance need to be assigned in the Desktop Analytics portal before device readiness can be determined.

#### Plan information

ESPO test

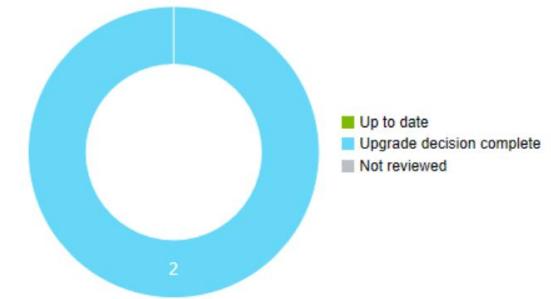
#### Number of devices

2

#### Target Windows version

Windows 10, version 1903

[Open Desktop Analytics Portal](#)



### Pilot status

Readiness assessment for devices in configured pilot.

Task sequence



### Production status

Readiness assessment for devices in production.

Task sequence



Assets and Compliance

Software Library

Monitoring

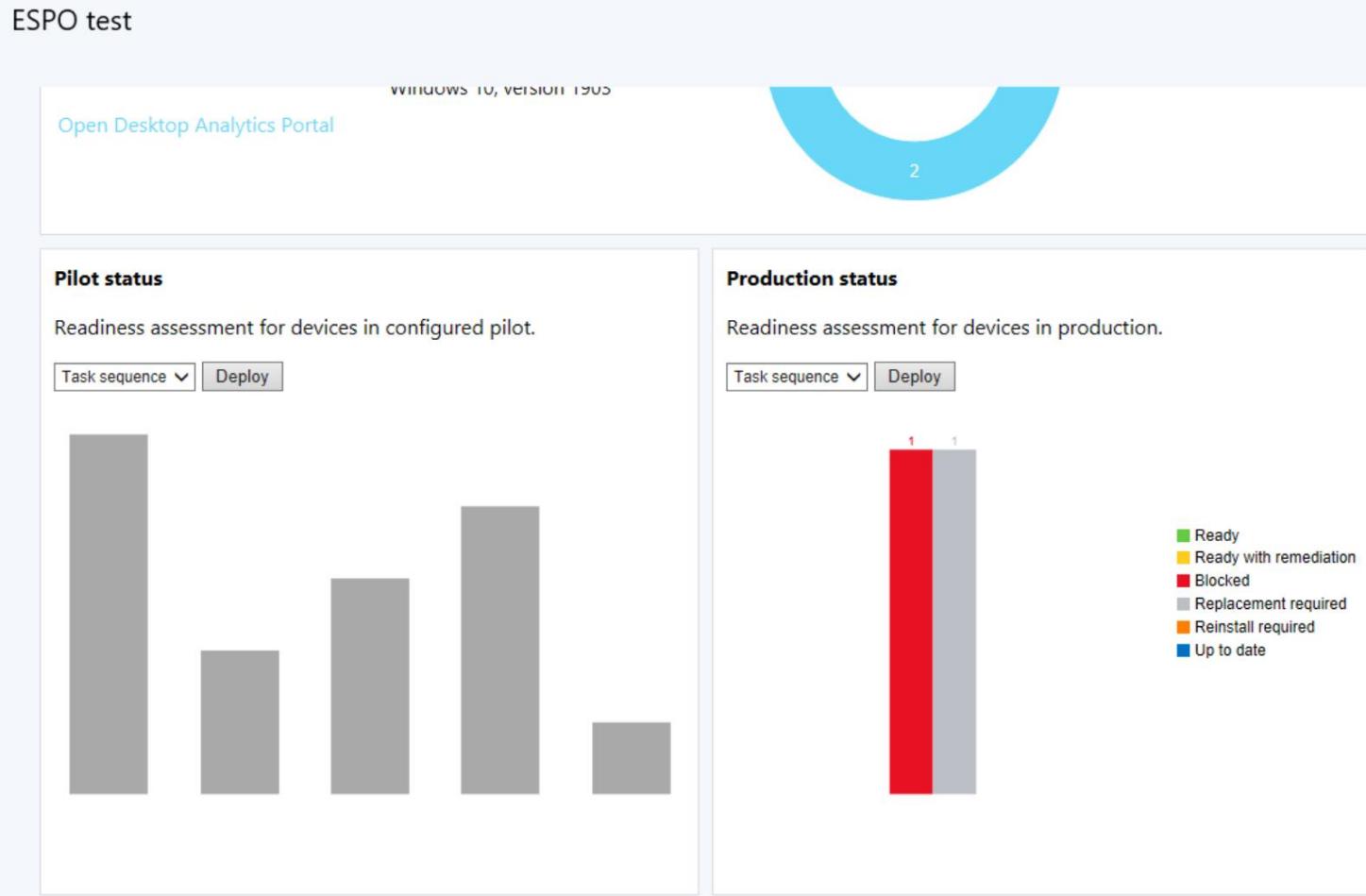
Administration

Community

- Overview
- Application Management
- Software Updates
- Operating Systems
- Windows 10 Servicing
- Desktop Analytics Servicing
- Deployment Plans
  - ESPO test
- Connection Health
- Office 365 Client Management
- Scripts

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- Assets and Compliance
- Software Library
- Monitoring
- Administration
- Community



# Steps

- ✓ Configuration in DA
  - ✓ sync down to Config Manager
- ✓ Check Config Manager
  - ✓ Dashboard
  - ✓ Deployment Plans
  - ✓ Collections
- ☐ Create a Tasksequence, you like to use for Update
  - ☐ Deploy
  - ☐ Phase Deployment

Software Library \ Software Library \ Overview \ Operating Systems \ Task Sequences

Task Sequences 2 items

Icon	Name	Description	Package ID	Date Created
	Copy BootImages to Peer Clients		PRO00012	5/2/2018 7:07 AM
	Task Sequence 1		PRO00006	4/20/2018 9:27 AM

Search

Task Sequences

- Overview
- Application Management
- Software Updates
- Operating Systems
  - Drivers
  - Driver Packages
  - Operating System Images
  - Operating System Upgrade Packages
  - Boot Images
  - Task Sequences
- Windows 10 Servicing
- Desktop Analytics Servicing
- Deployment Plans
  - ESPO test
- Connection Health
- Office 365 Client Management
- Scripts

Task Sequence 1						
Icon	Collection	Deployment Start Time	Purpose	Compliance %	Number Success	Number Errors
	ESPO test (Pilot)	10/21/2019 2:56 PM	Available	0.0	0	0
	ESPO test (Production)	10/22/2019 11:55 AM	Available	0.0		

Assets and Compliance

Software Library

Monitoring

Software Library Overview Desktop Analytics Servicing Deployment Plans ESPO test

ESPO test

Open Desktop Analytics

Pilot status

Readiness assessment for

Task sequence Deploy

General Deployment Settings Scheduling User Experience Alerts Distribution Points Summary Progress Completion

Specify general information for this deployment

Task sequence: Task Sequence 1

Collection: ESPO test (Pilot)

Use default distribution point groups associated to this collection

Automatically distribute content for dependencies

Pre-download content for this task sequence

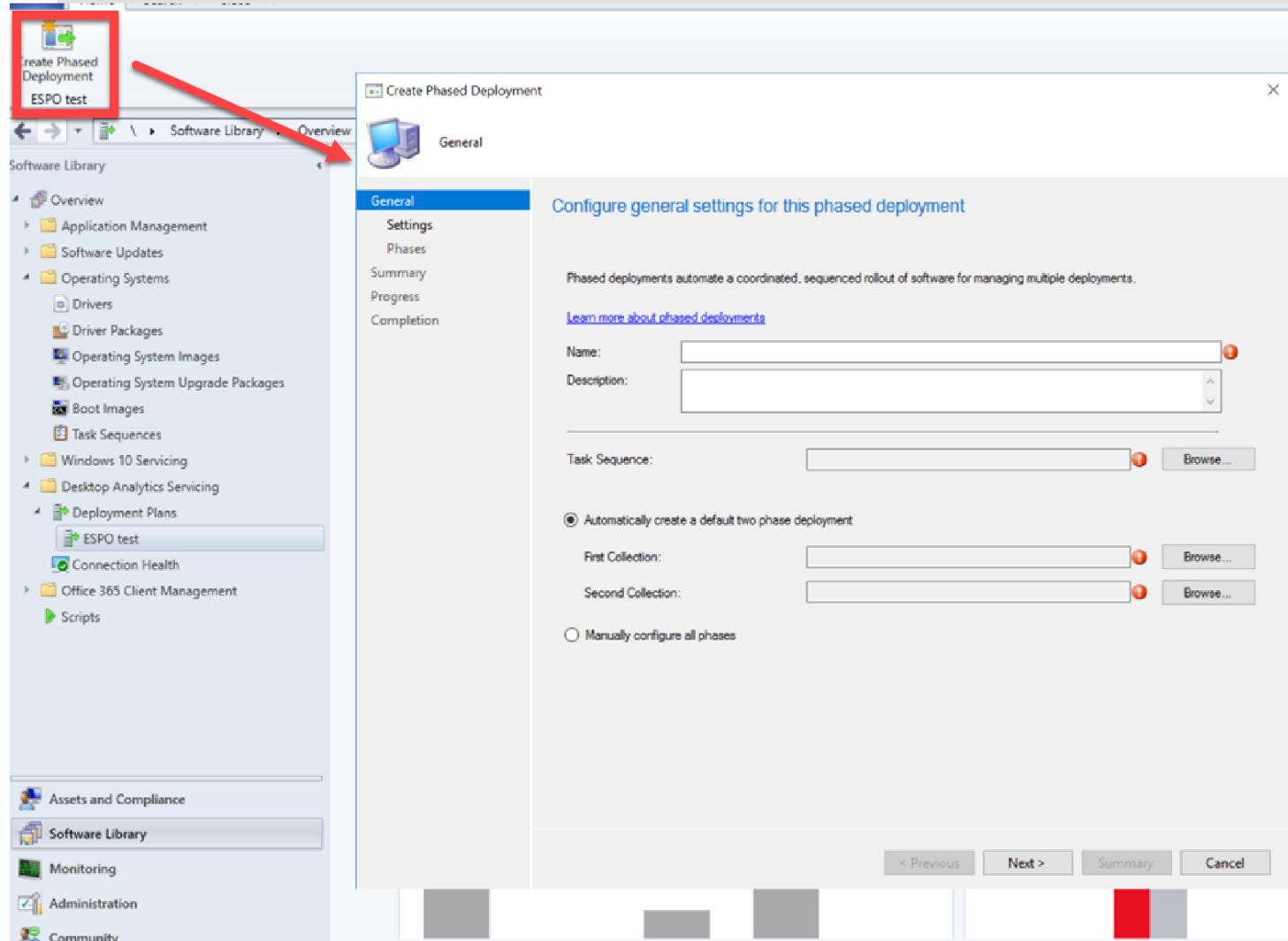
Select a previously saved deployment template that defines configuration settings for this deployment. Before you complete this wizard, you have the option to save the current configurations as a new deployment template.

Select Deployment Template...

Comments (optional):

< Previous Next > Summary Cancel

Assets and Compliance Software Library Monitoring Administration Community



The screenshot shows the SCCM Software Library interface. In the top navigation bar, there is a green square icon labeled "Create Phased Deployment". A red arrow points from this icon to a detailed view of the deployment creation process.

**Create Phased Deployment**

**ESPO test**

**Software Library** Overview

**General**

Configure general settings for this phased deployment

Phased deployments automate a coordinated, sequenced rollout of software for managing multiple deployments.

[Learn more about phased deployments](#)

Name:  !

Description:

Task Sequence:  ! [Browse...](#)

Automatically create a default two phase deployment

First Collection:  ! [Browse...](#)

Second Collection:  ! [Browse...](#)

Manually configure all phases

< Previous [Next >](#) Summary Cancel

Up to date  
Upgrade decision c  
Not reviewed

unction.

**Assets and Compliance**

**Software Library**

**Monitoring**

**Administration**

**Community**



# Steps

- ✓ Configuration in DA
  - ✓ sync down to Config Manager
- ✓ Check Config Manager
  - ✓ Dashboard
  - ✓ Deployment Plans
  - ✓ Collections
- ✓ Create a Tasksequence you like to use for Update
  - ✓ Deploy
  - ✓ Phase Deployment

## Desktop Analytics

&lt; Deployment plans

## Deployment status

You can review the deployment status of the devices in your production group below. Click the Need attention tab to see devices that may require your attention. In the case of a deployment or setup failure, information about the failure as well as our recommended remediation.

## Windows 10

## Deployment progress



Completed	0
Need attention	0
Not started or in progress	1

## Devices that need attention

These devices have issues with the deployment and need your attention

0

Need attention

0	0	0	0
Failed	Canceled	Uninstalled	Stuck

[Not Started](#) [In Progress](#) [Completed](#) [Need attention - Devices](#) [Need attention - Issues](#)

Issue type ▾ Error code ▾ Total devices ▾ Error Descript... ▾



## Desktop Analytics

[Deployment plans](#)

ⓘ Snapshot contains: Device data received by 10/21/2019 12:00:00 AM, Admin changes are up to date. [Learn more](#)



Plan overview



Plan assets



## PREPARE



Identify importance



Identify pilot



Prepare pilot



## PILOT



Deployment status



Prepare production



## DEPLOY



Deployment status



Monitor health

## Monitor health

Review the following health alerts for your environment. By clicking on an asset, you can see detailed information about the health of that asset. Assets with a Health status of 'Attention needed' will likely require a remediation. Health status is determined based on signals from all devices in your organization which are on the target release.

[Learn more](#)

## Apps

Previous Page **1** Next Page

1 assets found

Show only:	Attention Needed (0)	Meeting Goals (0)	Insufficient Data (0)	No Data (1)				
⌚	Name ↴	Vendor ↴	Version ↴	Language ↴	% Sessions wi... ↴	% Devices wit... ↴	Devices wi... ↴	Health status ↴
	Windows Firewall ...	Microsoft Corporation	1.2.3412.0	English (Unit...)	-	-	0	ⓘ No data

# Things to know about

- Devices enrolled in Desktop Analytics need a valid Configuration Manager license. For more information, see [Configuration Manager licensing](#).
- Users of the device need one of the following licenses:
- Windows 10 Enterprise E3 or E5 (included in Microsoft 365 F1, E3, or E5)
- Windows 10 Education A3 or A5 (included in Microsoft 365 A3 or A5)
- Windows Virtual Desktop Access E3 or E5
- Beyond the cost of these license subscriptions, there's no additional cost for using Desktop Analytics within Azure Log Analytics. The data types ingested by Desktop Analytics are free from any Log Analytics data ingestion and retention charges. As non-billable data types, this data is also not subject to any Log Analytics daily data ingestion cap. For more information, see [Log Analytics usage and costs](#).

# Your Firewall settings:

Network connectivity from the device to the following internet endpoints:

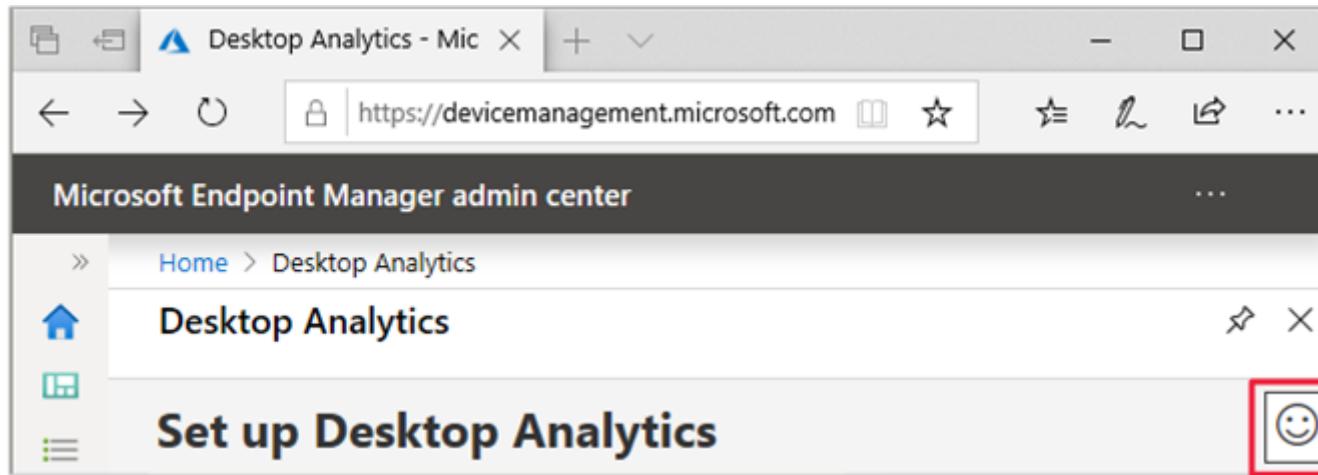
- <https://v10c.events.data.microsoft.com>
- <https://settings-win.data.microsoft.com>
- <http://adl.windows.com>
- <https://watson.telemetry.microsoft.com>
- <https://umwatsonc.events.data.microsoft.com>
- <https://ceuswatcab01.blob.core.windows.net>
- <https://ceuswatcab02.blob.core.windows.net>
- <https://eaus2watcab01.blob.core.windows.net>
- <https://eaus2watcab02.blob.core.windows.net>
- <https://weus2watcab01.blob.core.windows.net>
- <https://weus2watcab02.blob.core.windows.net>
- <https://kmwatsonc.events.data.microsoft.com>
- <https://oca.telemetry.microsoft.com>
- <https://login.live.com>
- <https://graph.windows.net> (on Configuration Manager server role only)
- [https://\\*.manage.microsoft.com](https://*.manage.microsoft.com) (on Configuration Manager server role only)



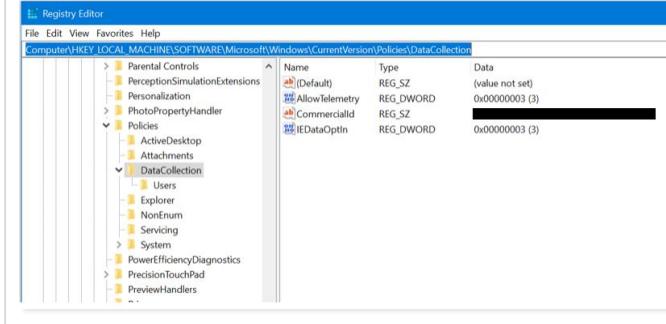
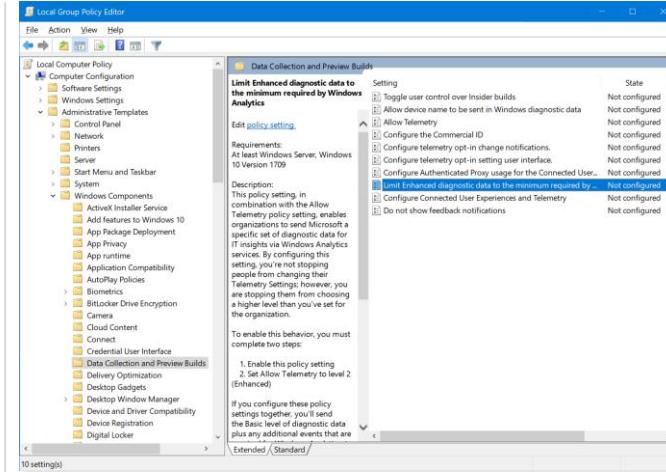
- If you used Windows Analytics / Readyness; Your Workspace queries still working
- If you have CM-Pivot in Place, USE IT!
- Troubleshooting: [Drive]:\Microsoft Configuration Manager\tools\DesktopAnalyticsLogsCollector
  - desktopanalyticslogscollector.ps1

Name	Date modified
appcompat	10/23/2019 10:53 AM
installedKBs.txt	10/23/2019 10:58 AM
M365AHandler.log	10/22/2019 5:20 AM
M365AnalyticsLogs_19_10_23_10_53_27.txt	10/23/2019 10:58 AM
RegAppCompatFlags.txt	10/23/2019 10:58 AM
RegCensus.txt	10/23/2019 10:58 AM
RegFileCollection	10/23/2019 10:58 AM

# Support



# Distributing Policies at Scale for DA (just in case)



## Group Policy



Computer Configuration\Administrative Templates\Windows Components\Data Collection and Preview Builds.

- *Configure the CommercialID*; opts in to Analytics and identifies Azure Log Analytics workspace where to copy data
- *Allow Telemetry*
  - Limit Enhanced diagnostic data to the minimum required by Windows Analytics on 1709 and above
  - "commercial data opt-in" for pre-Windows 10 clients
- *(1803) Allow device name to be sent in Windows diagnostic data*; to help identify devices that need troubleshooting
- *(optional) IE site discovery*; sending IE site data requires separate opt-on + (on win10) enhanced telemetry
- The corresponding preference registry values are available in HKLM\Software\Microsoft\Windows\CurrentVersion\Policies\DataCollection

## MDM



Through Policy CSP

- OMA-URI -> ./Vendor/MSFT/Policy/Config/System/AllowTelemetry
- OMA-URI -/Vendor/MSFT/DMClient/Provider/ProviderID/CommercialID



Slides and demos from the conference will be available at

<https://github.com/nordicinfrastructureconference/2020>

