

Modern Workplace Hands-on lab

AAD Premium, Intune, Office ProPlus



Microsoft 365 Enterprise

Lab Guide

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Version 2.0

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Document Revision

Change Record

Date	Author	Version	Change Reference	
15-10-2018	Gino van Essen	0.1	Create document	
16-10-2018	Stephan van de Kruis	0.2	Add new items	
17-10-2018	Gino van Essen	1.0	Add new items and finalize document	
4-2-2019	Stephan van de Kruis	1.1	lm	

Name	Version Approved	Position	Date	

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Introduction

The Microsoft 365 Modern Desktop Lab is designed to help you with the deployment of modern devices running Windows 10 Enterprise and Office 365 Pro Plus, managed by Enterprise Mobility + Security.

Estimated time to complete this lab

150 minutes

Objectives

- During this lab, you will learn how to use Azure Active Directory and Intune to:
- Create AAD group
- Configure Compliance policies
- Configure Configuration policies
- Configure Conditional Access
- Join Windows 10 clients to Azure Active Directory

Prerequisites

- Laptop/computer with Internet browser and wifi connected.
- Windows 10 Pro N version 1803 via Azure VM
- Windows 10 Enterprise version 1803 via Hyper-V manager or VMware workstation
- Microsoft 365 Enterprise E3 subscription

Student Materials

All student materials are available for download here:

https://github.com/Copaco/handsonlab/tree/master/modernworkplace

Activity 1: Getting Started

Objectives

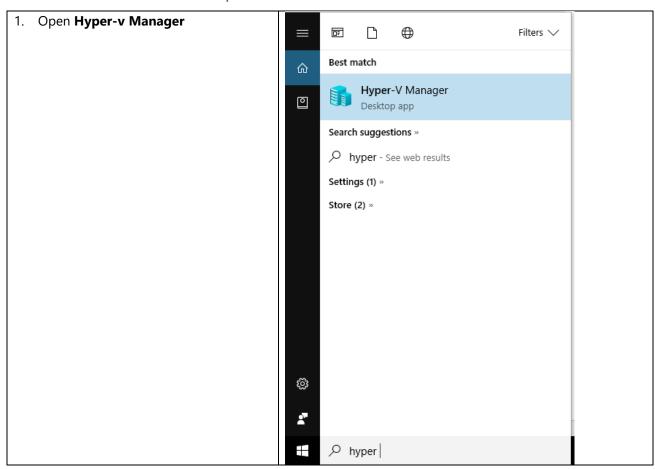
In this activity, you will configure the components necessary to perform this lab:

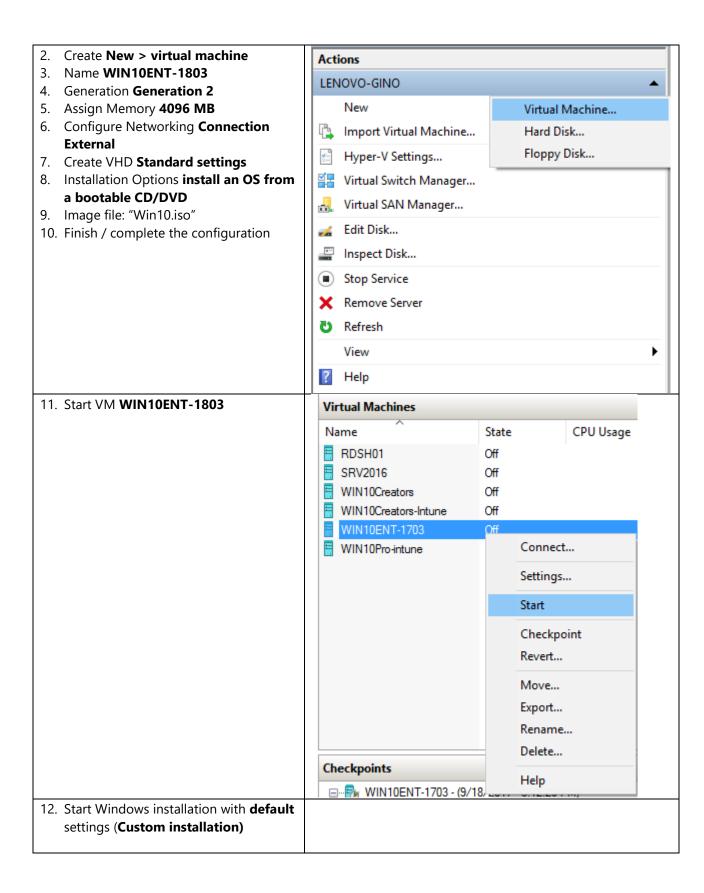
Windows 10 Pro N, version 1803 - Azure VM

When Azure tenant \ subscription is not available

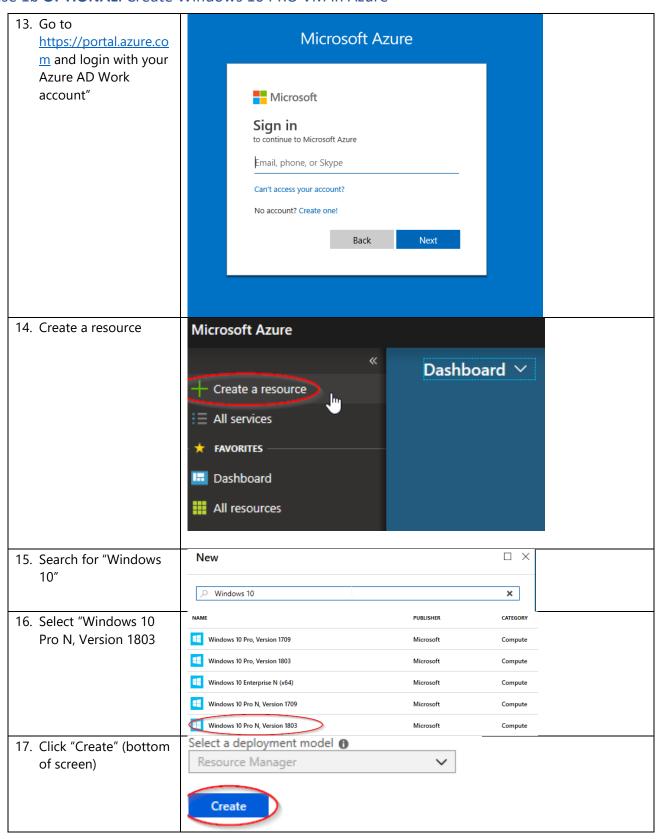
- ISO of Windows 10 Enterprise 1803 handed out by Copaco
- Hyper V Manager VM configuration

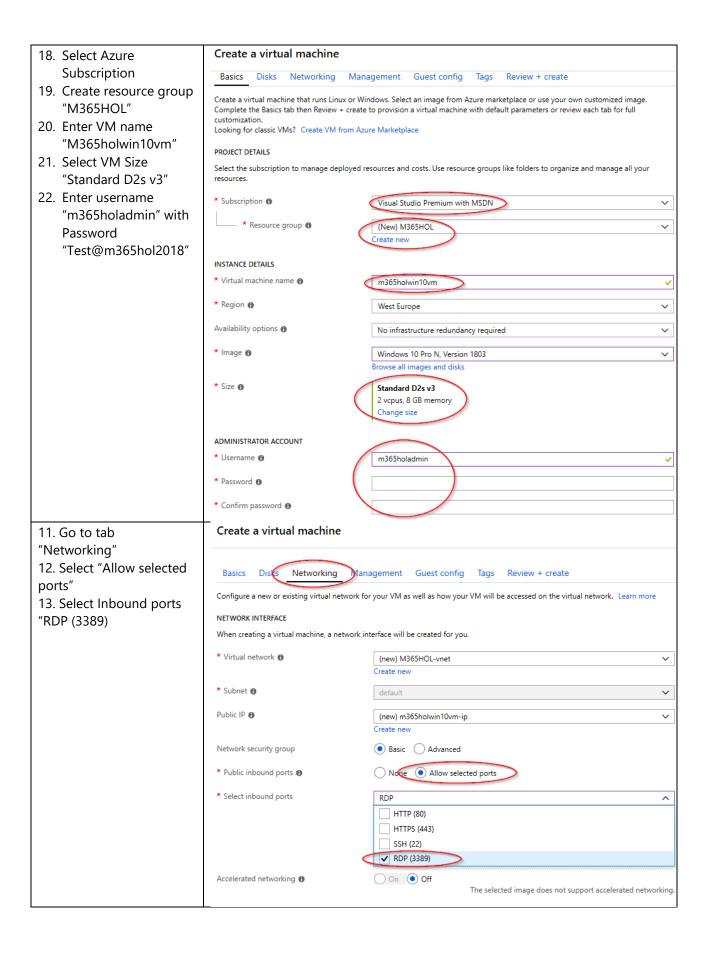
Exercise 1a: Create Windows 10 Enterprise VM

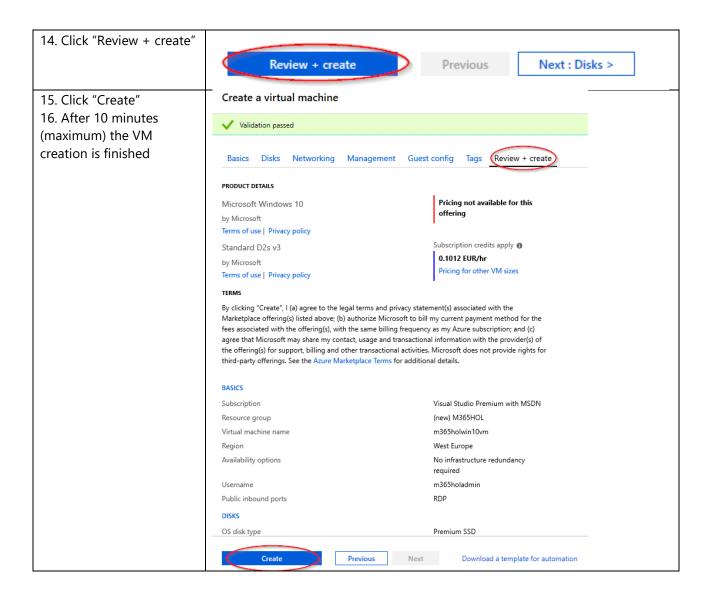




Exercise 1b OPTIONAL: Create Windows 10 PRO VM in Azure







Activity 2: Prepare Modern workplace with Intune

The most important components in this exercise are:



Azure Active Directory.



Users and Groups.



Intune.

Exersize 2: Create an AAD Group

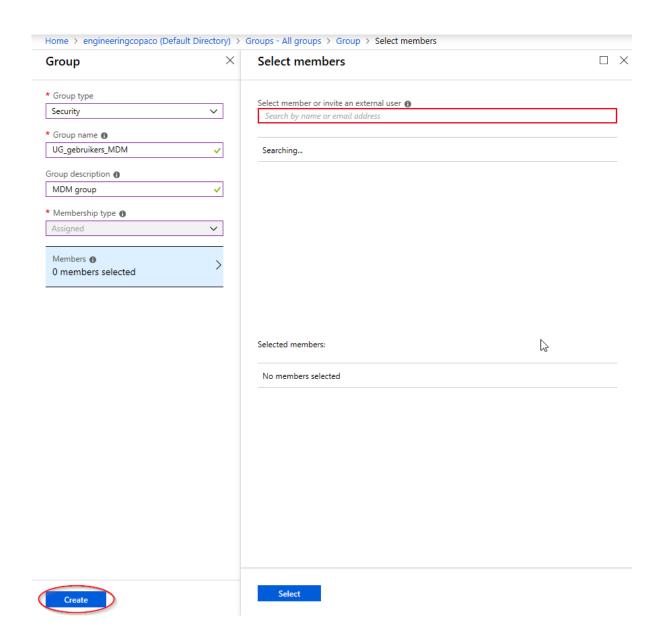
- 1. Go to : http://portal.azure.com
- 2. Go to: Azure Active Directory->Manage->Groups
- 3. Click New Group and create a group with the following settings

Kenmerk	Waarde
Group type	Security
Group name	UG_gebruikers_MDM
Group description	MDM group
Membership type	Assigned

- 4. Add Admin account to group "UG_Gebruikers_MDM"
- 5. Click Create (bottom of screen)

Exercise 2a: Configure group-based Licensing

- 1. Go to: Azure Active Directory → Licenses → All products
- 2. Select Microsoft 365 E3
- 3. Select Licensed groups
- 4. Click the Assign button
- 5. At users and groups search for UG_gebruikers_MDM and select the group
- 6. At Assignment options make sure that On is selected and click OK
- 7. Click Assign



6. AAD Group "UG_Gebruikers_MDM" is created



Exercise 3: Configure MDM and MAM Intune settings

1. Go to Azure Active Directory->Mobility (MDM and MAM)->Microsoft Intune.

Home > 2tCloud365 - M	obility (MDM and MAM) > Configure	
Configure Microsoft Intune		>
Save X Discard	m Delete	
MDM user scope 6	None Some All	
Groups	Select groups UG_Gebruikers_MDM	-
MDM terms of use URL 🚯	https://portal.manage.microsoft.com/TermsofUse.aspx	
MDM discovery URL 📵	https://enrollment.manage.microsoft.com/enrollmentserver/discovery	
MDM compliance URL ①	https://portal.manage.microsoft.com/?portalAction=Compliance	
Restore default MDM URLs		
MAM User scope 1	None Some All	
Groups	Select groups UG_Gebruikers_MDM	-
MAM Terms of use URL ①		
MAM Discovery URL 📵	https://wip.mam.manage.microsoft.com/Enroll	
MAM Compliance URL 1		
Restore default MAM LIRLs		

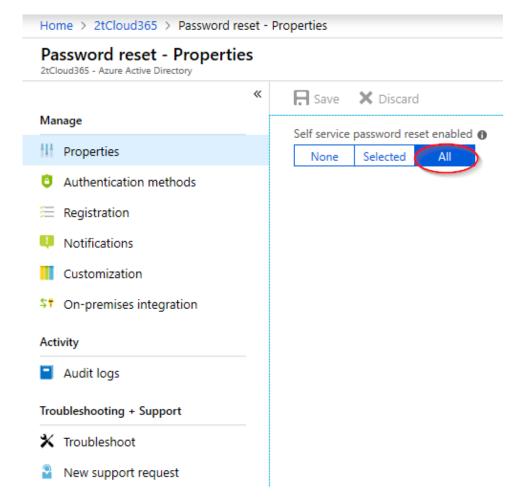
2. Configure the settings ->

Kenmerk	Waarde
MDM User scope	Some
Groups	UG_Gebruikers_MDM
MAM User scope	Some
Groups	UG_Gebruikers_MDM

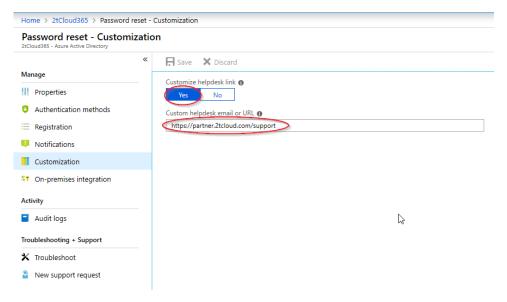
3. Click on Save

Exercise 4: Activate Self Service Password Reset

- 1. Go to Azure Active Directory->Password reset->Properties;
- 2. Set setting to: All
- 3. Click: Save



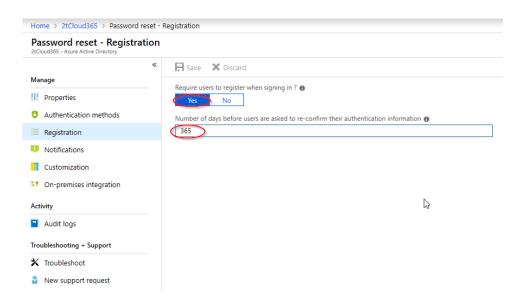
4. Go to Azure Active Directory-> Password reset-> Customization;



5. Configure the settings -> and click **Save**

Customize helpdesk link	Yes
Custom helpdesk email or URL	https://partner.2tcloud.com/support

6. Go to Azure Active Directory-> Password reset-> Registration;

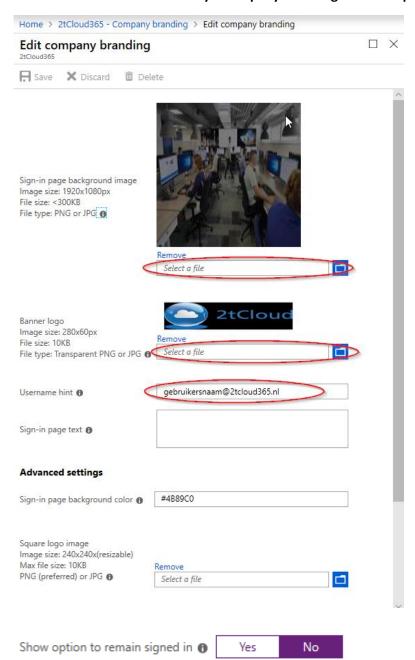


7. Configure the settings -> and click **Save**

Require Users to register when	Yes
Signing in?	
Number of days	365

Exercise 5: Company branding

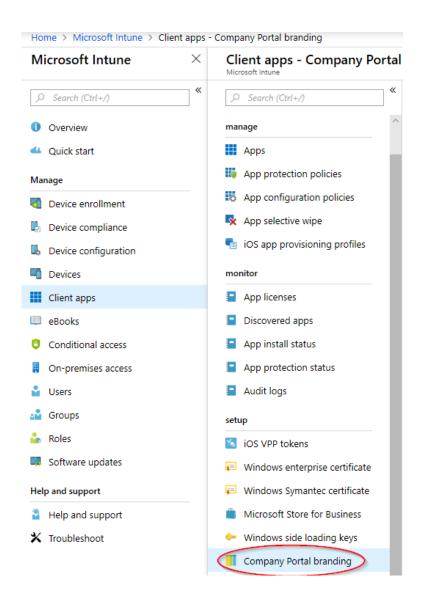
1. Go to Azure Active Directory->Company Branding->Edit company branding;



2. Configure the settings -> Click **Save**

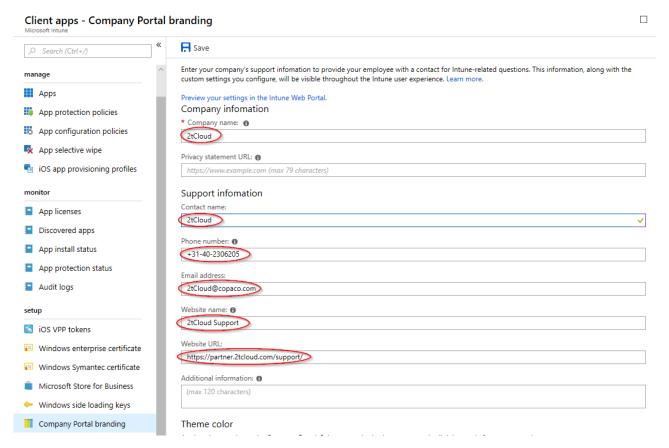
Sign-in page image	Add image
Banner image	Add image
User name hint	gebruikersnaam@2tcloud365.nl
Show option to remain	No
signed in	

1. Go to Intune -> Client apps -> Company Portal Branding



2. Configure the settings -> click Save

Company Name	2tCloud or your own company
Contact name	2tCloud or your own company
Phone number	Add picture
E-mail adress	2tcloud@copaco.com or gebruikersnaam@x.onmicrosoft.com
Support website name	2tCloud Support or your own company
Support Website URL	https://partner.2tcloud.com/support/ or your own

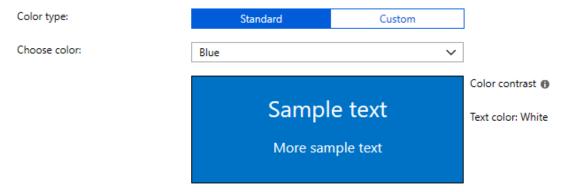


For more settings -> Next page

Show company logo	Yes
Company logo	Add logo

Theme color

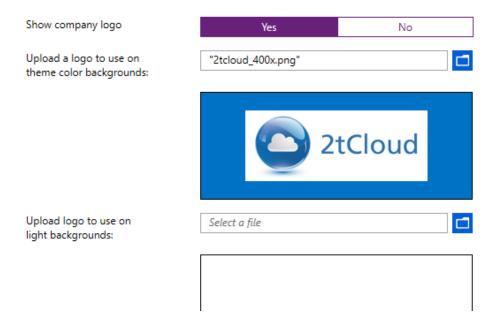
Apply a theme color to the Company Portal. Select a standard color or enter a six-digit hex code for a custom color.



Company logo

Upload your company logo to make it visible throughout the Intune user experience.

- · Max image Size: 400 x 400px
- Max file size: 750KB
- · File type: PNG, JPG, or JPEG
- · For the best apperearance, upload a logo with a tranparent background.



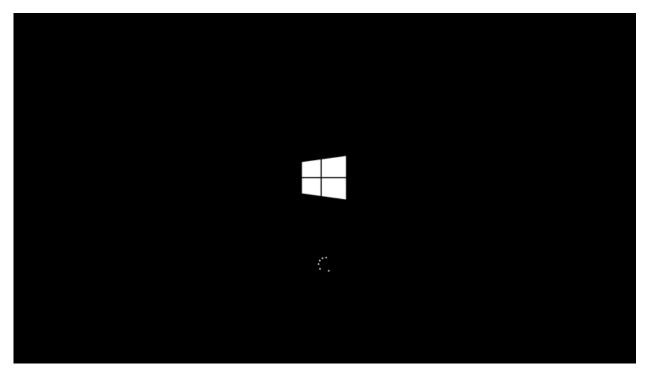
Activity 3: Add Windows to MDM

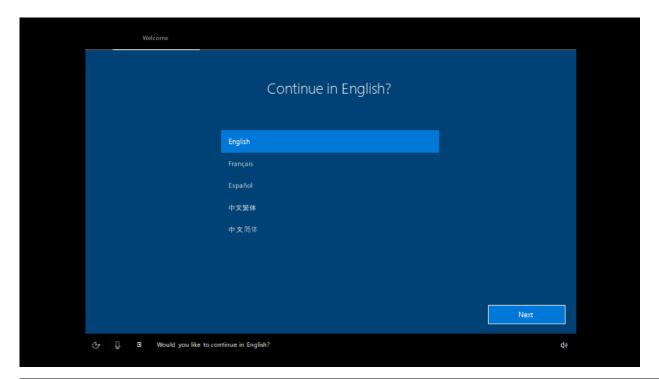
Exercise 6: Configure Windows 10 Enterprise Azure Active Directory join (organisatie)

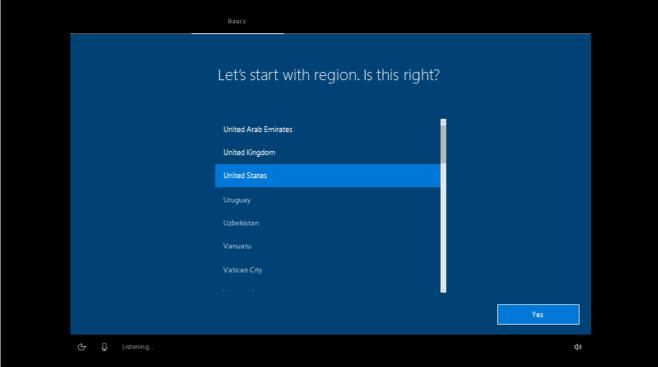
Go to the Win10 VM (Azure or Hyper-V Manager)

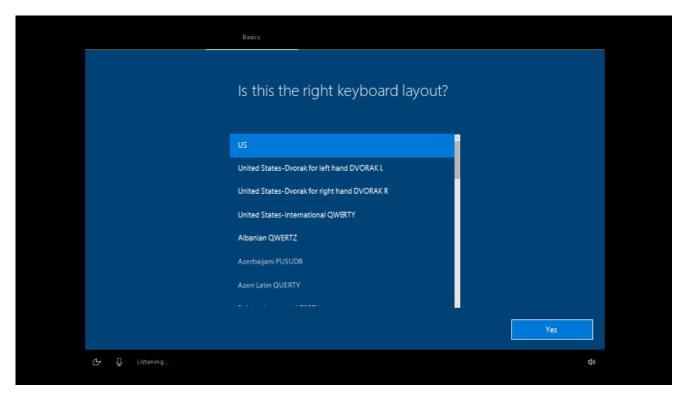
Exersize 6b – Hyper V Win10 VM

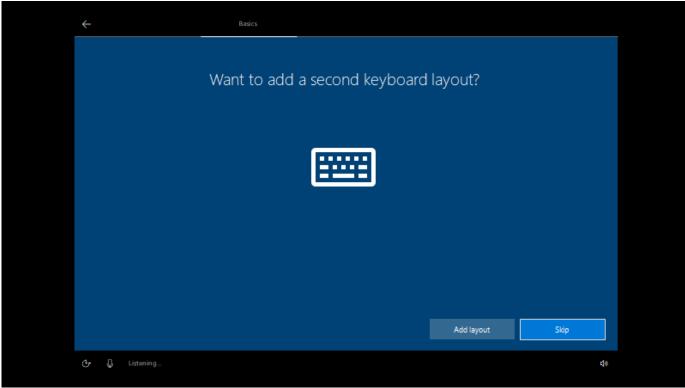
Start the setup of the Windows 10 Enterprise OS

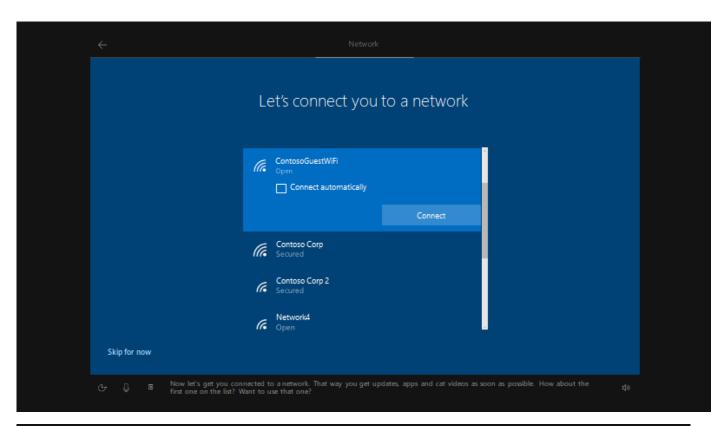


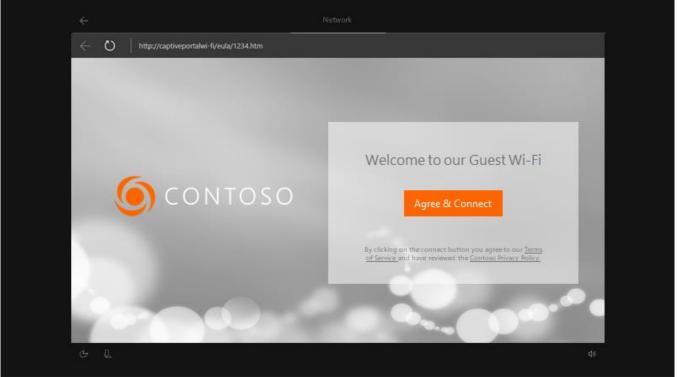


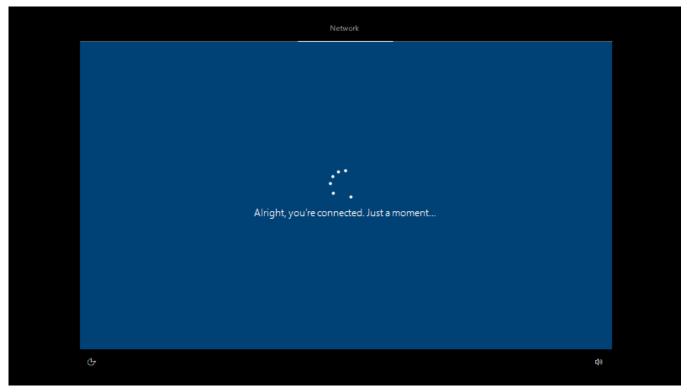


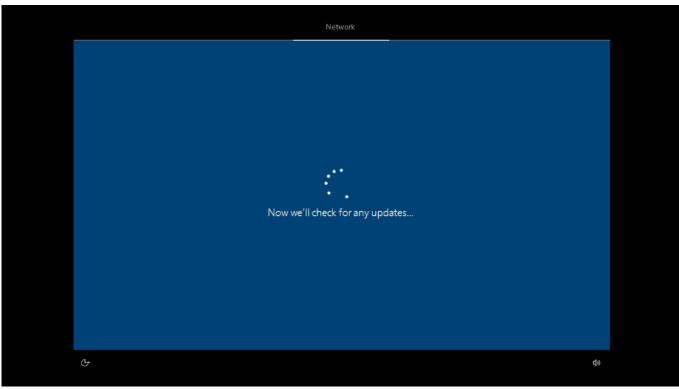


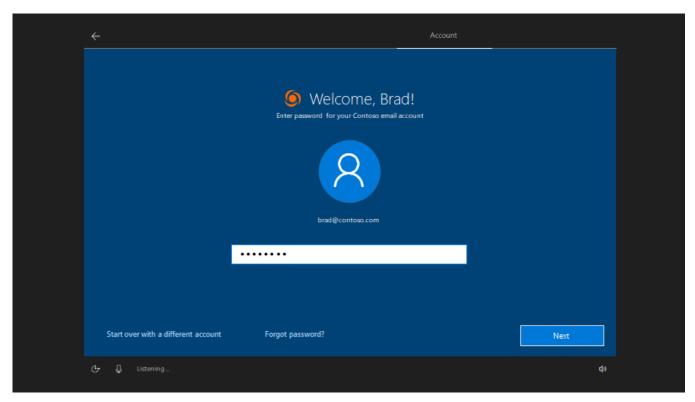


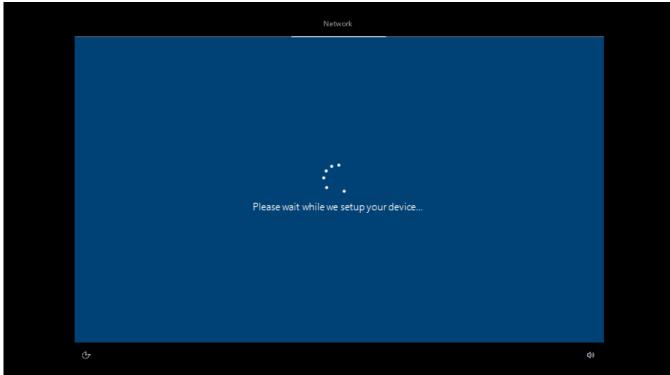


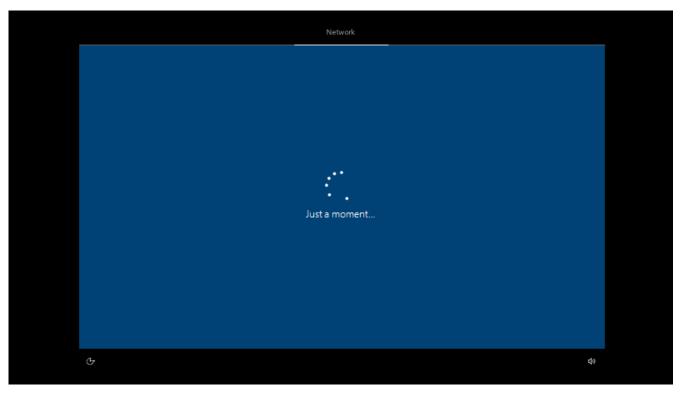


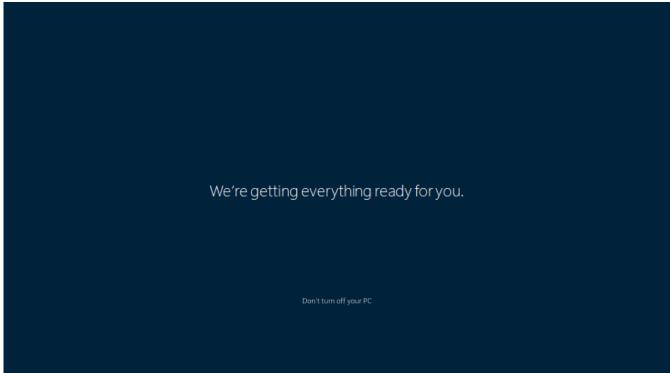


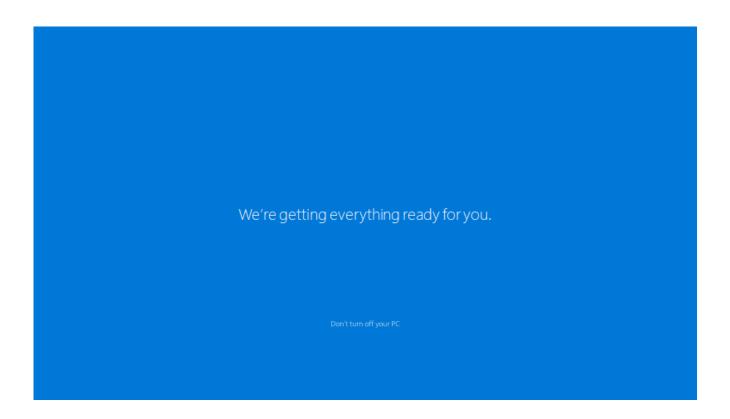






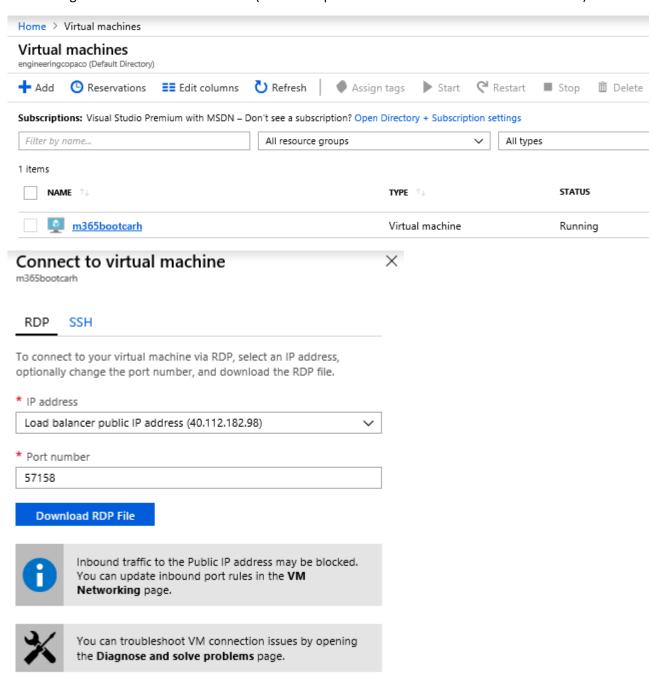






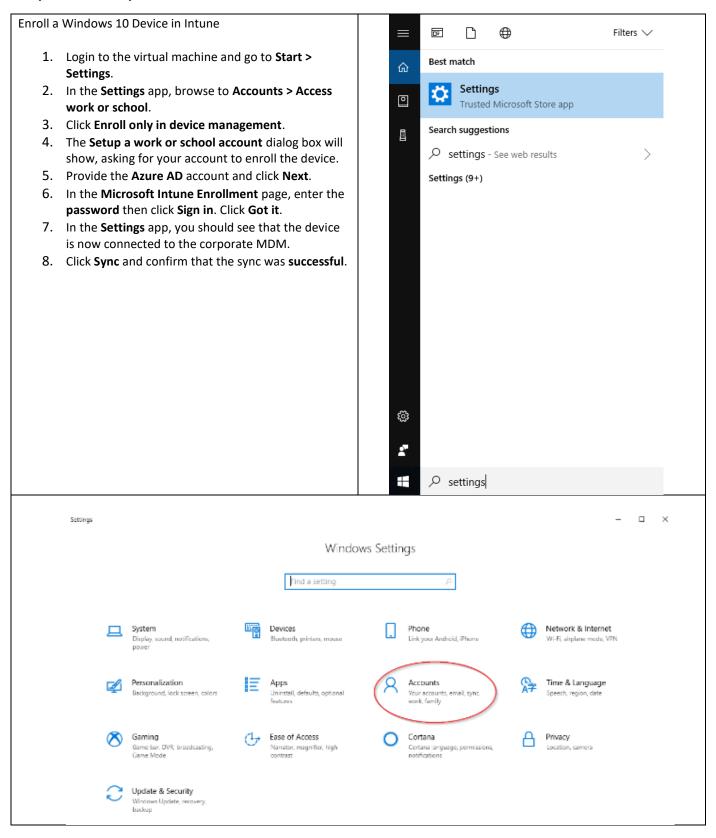
Exersize 6c Azure steps OPTIONAL

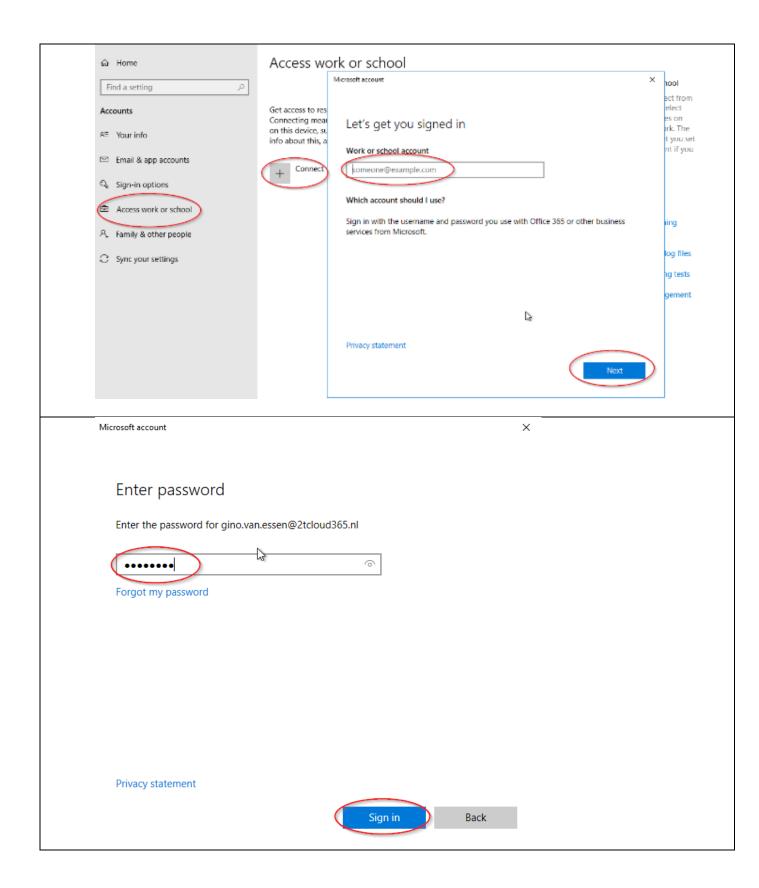
- 1. Open https://portal.azure.com -> Virtual machines
- 2. Click "M365holwin10vm"
- 3. Click Connect
- 4. Download RDP File
- 5. Login with the Admin credentials (used in step 10 Create Windows 10 PRO VM in Azure)

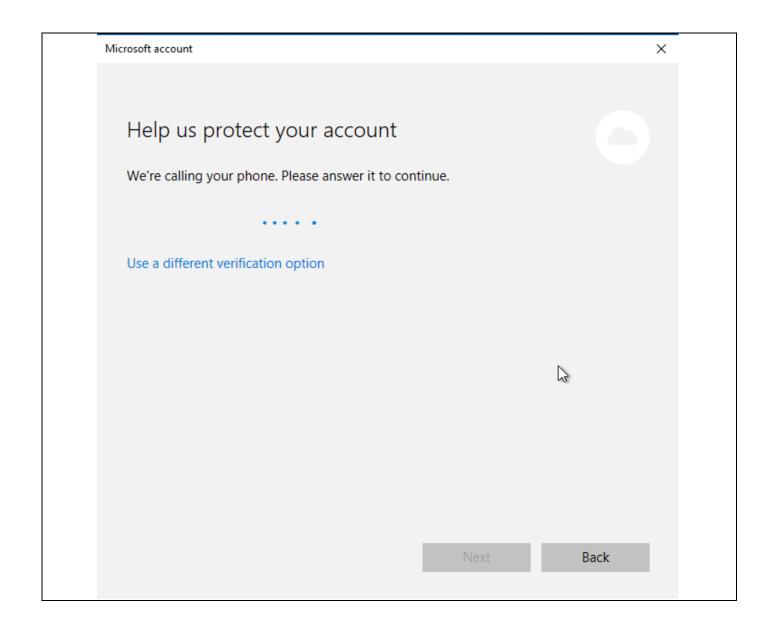


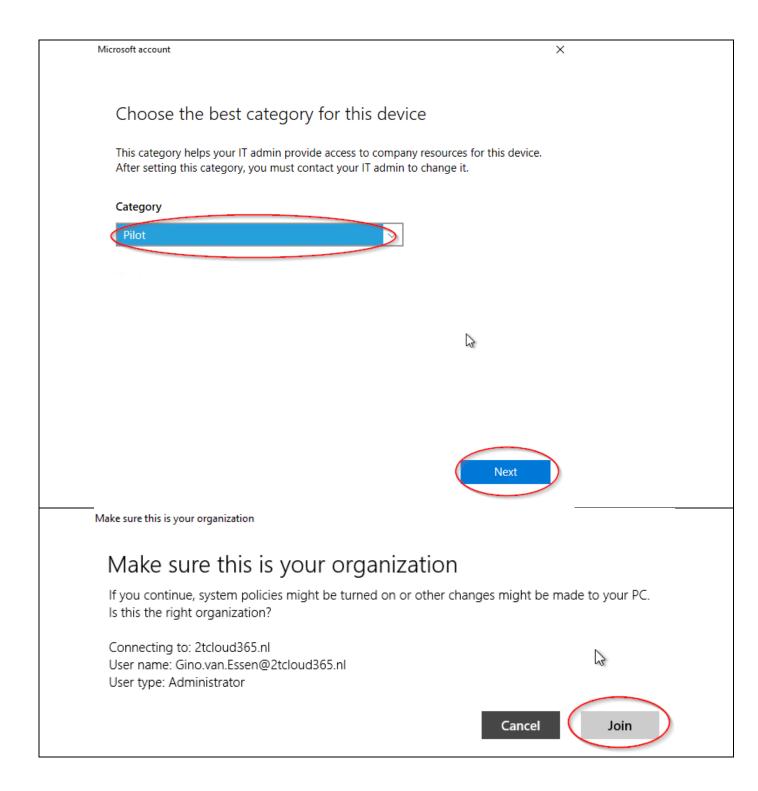
This section outlines how to enroll a Windows 10 device into Microsoft Intune for MDM.

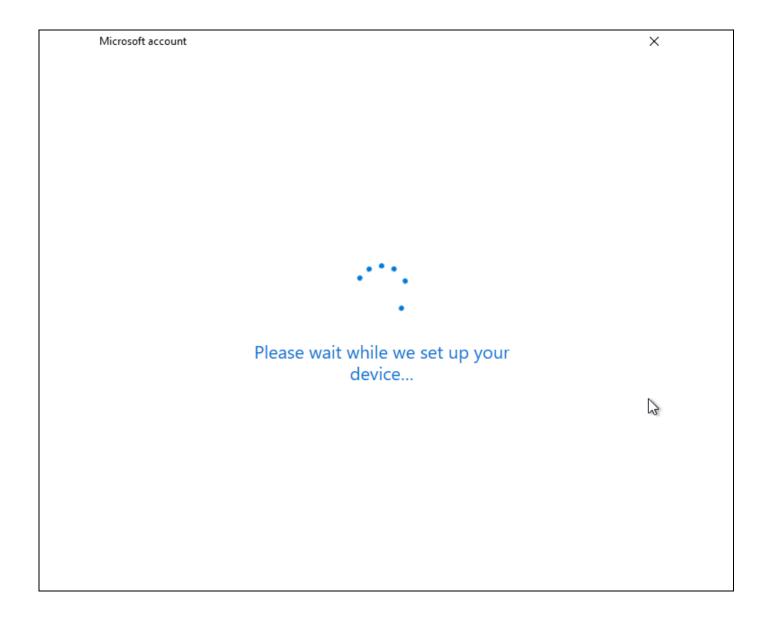
Complete these steps on the M365holwin10vm virtual machine.



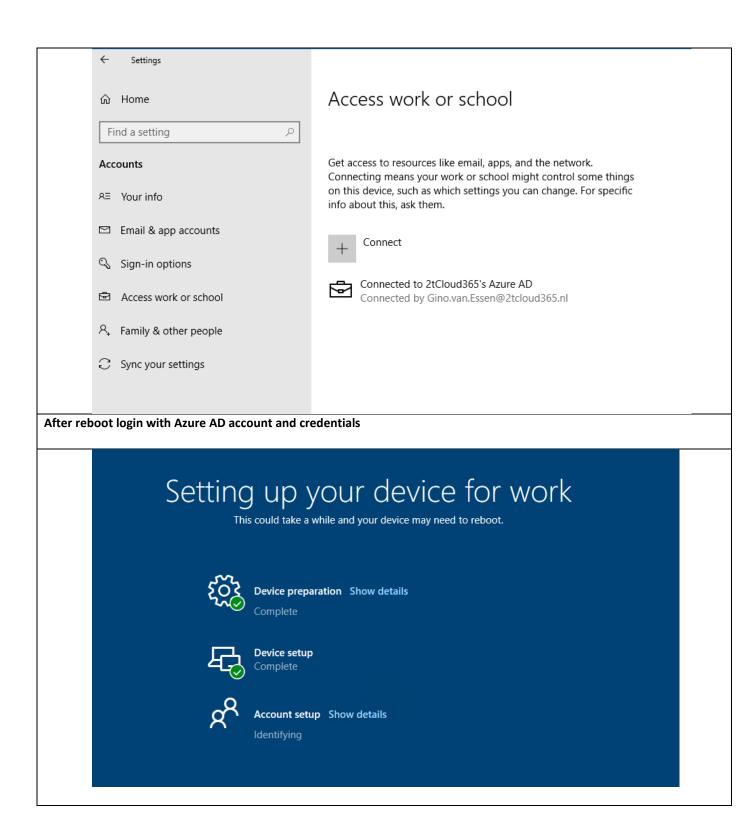


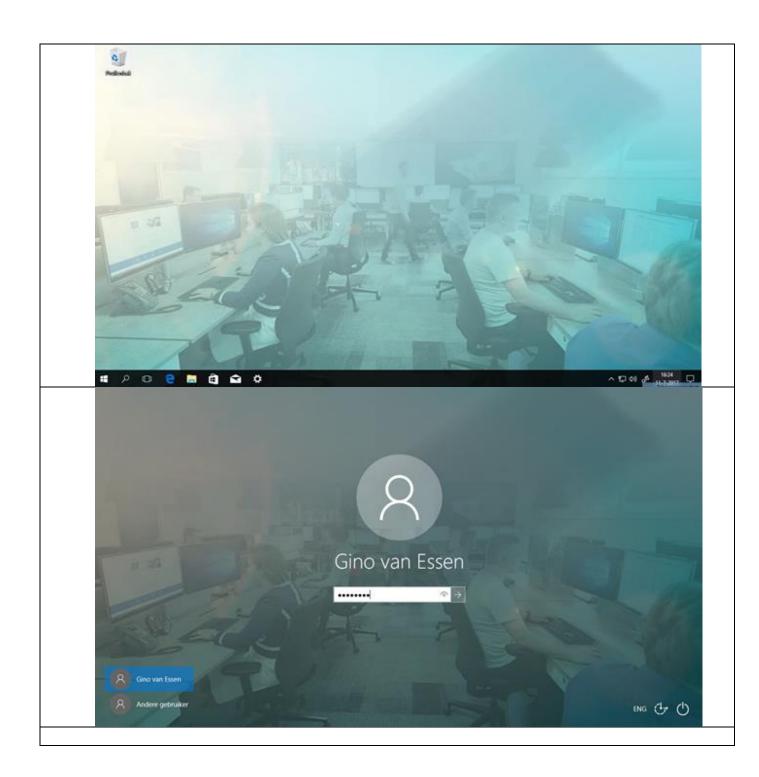












Activity 4: Configuration Intune

Exercise 7: Terms of use

1. Go to Azure Active Directory -> Conditional access -> Terms of Use

Home > 2tCloud365 > Conditional access - To	erms of use > New terms of use
New terms of use	
Terms of use	
Create and upload documents	
* Name •	2tCloud365 Gebruiksovereenkomst 🗸
★ Display name ⊕	2tCloud365 Gebruiksovereenkomst
Terms of use document 🚯	"20180924-algemene
	+ Add language
Require users to expand the terms of use 6	On Off
Conditional access * Enforce with conditional access policy templates	• Create conditional access policy later
This terms of use will appear in the gra	nt control list when creating a conditional access policy.
	₽.
Create	

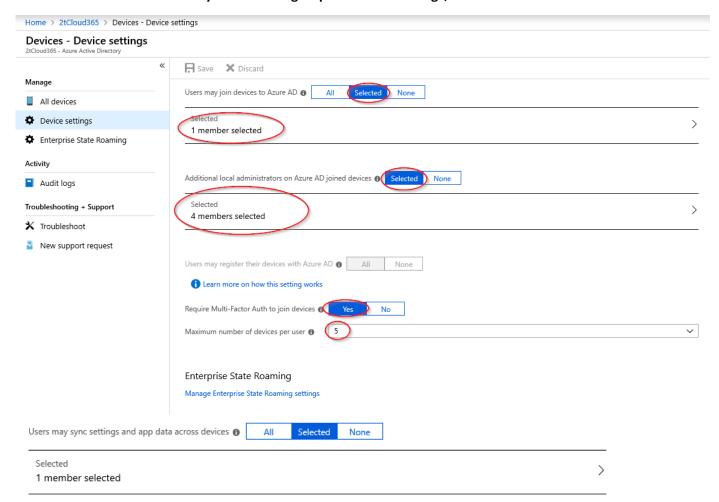
2. Create new -> Configure the settings -> Click **Create**

Name	2tCloud365 Gebruiksovereenkomst or your own
Display name	2tCloud365 Gebruiksovereenkomst or your own
Terms of Use document	Add pdf document
Language	English or Dutch

Enfore with conditional access policy	Create conditional access policy later
templates	

Exercise 8: Device Settings

1. Go to Azure Active Directory -> Users and groups -> Device Settings;

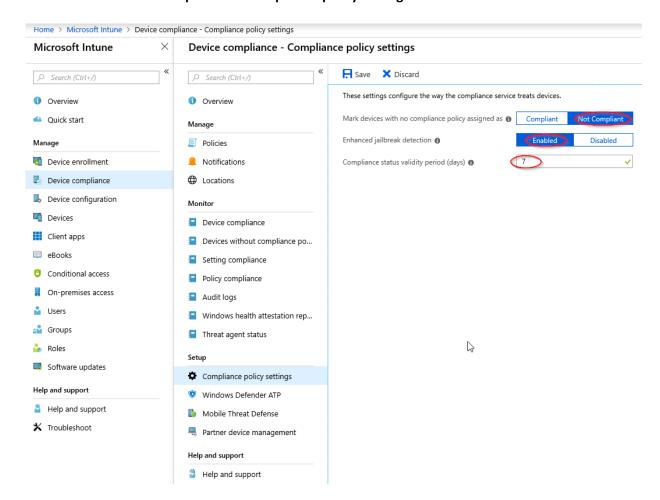


2. Configure the settings --> Click Save

Users may join devices to Azure AD	UG_Gebruikers_MDM
Additional local administrators on Azure AD Joined	Selected -> Admin
Devices	
Require Multi-Factor Auth to join devices	Yes
Maximum number of devices per user	5
Users may sync settings and enterprise app data	UG_Gebruikers_MDM

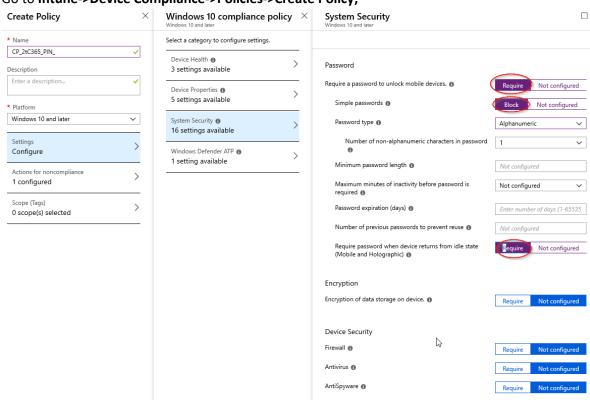
Exercise 9: Device Compliance

1. Go to Intune->Device Compliance -> Compliance policy settings



2. Configure the settings > Click Save

Mark devices with no compliance	Not Compliant
Enhanced Jailbreak detection	Enabled
Compliance status validity period	7



1. Go to Intune->Device Compliance->Policies->Create Policy;

2. Configure the settings >

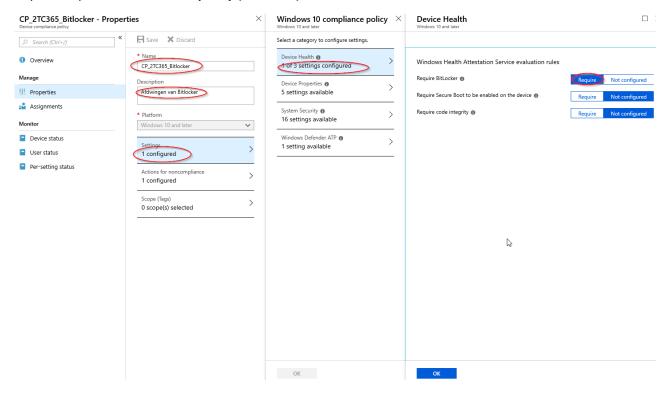
Create

Name	CP_2tC365_PIN
Platform	Windows 10 and later

- 3. Click on Configure
- 4. Configure settings as showed on the screenshot -> Click Create

OK

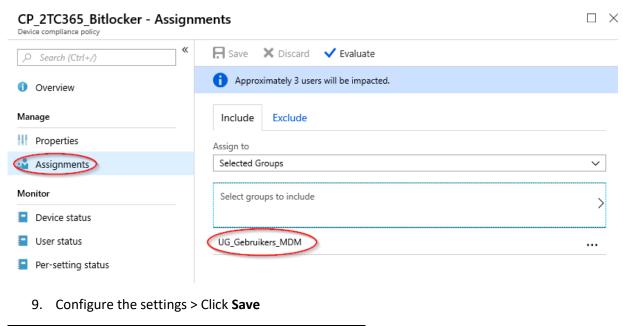
Repeat steps 1 / 4 for another policy (Bitlocker)

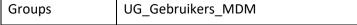


5. Configure the settings -> Click **Ok**

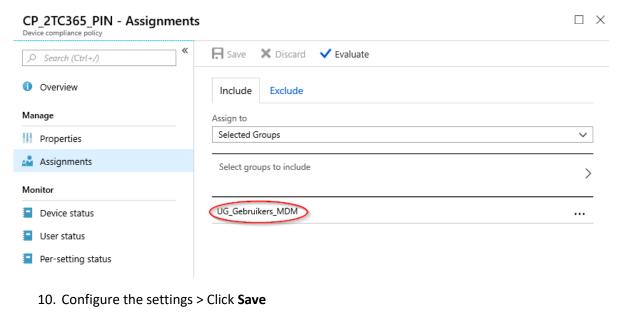
Name	CP_2TC365_Bitlocker
Description	Afdwingen van Bitlocker
Platform	Windows 10 and later

- 6. Click on Configure
- 7. Configure settings as showed on the screenshot -> Click Save
- 8. Go to Intune->Device Compliance->Policies-> CP_2TC365_Bitlocker-> Assignments-> Select groups;





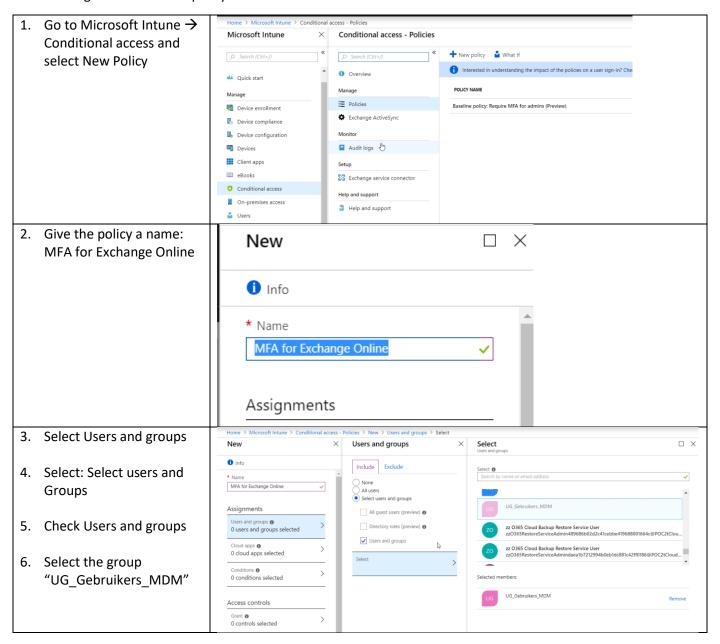
Go to Intune->Device Compliance -> Policies-> CP_2tC365_PIN -> Assignments-> Select groups;

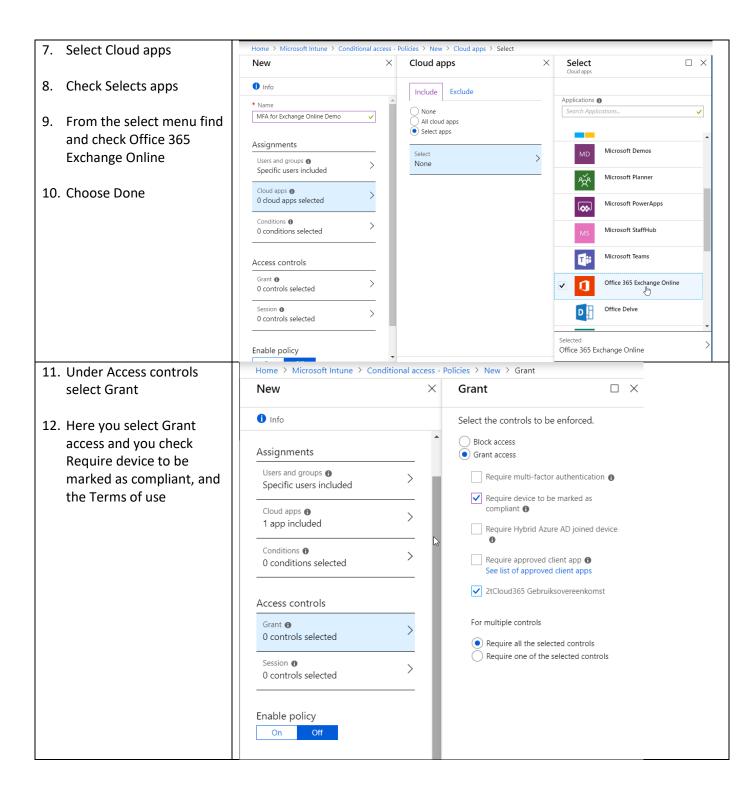


Groups	UG_Gebruikers_MDM
--------	-------------------

Exercise 10: Conditional Access

Conditional Access is a great way to secure your environment. You can use Intune to make sure that your device is complaint, otherwise the user cannot access the company resources. Now you have created a compliance policy you want to assign actions to that policy.





1. Enable the policy and clik on Create

Access controls

Grant 2 2 controls selected

Session 0 0 controls selected

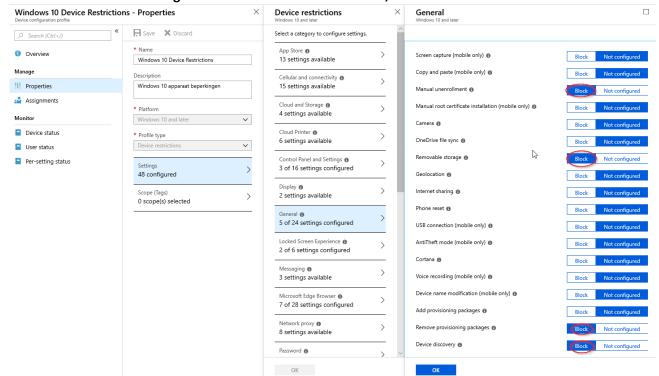
Enable policy

On Off

Create

Exercise 10a: Device Configuration - Windows Device Restrictions

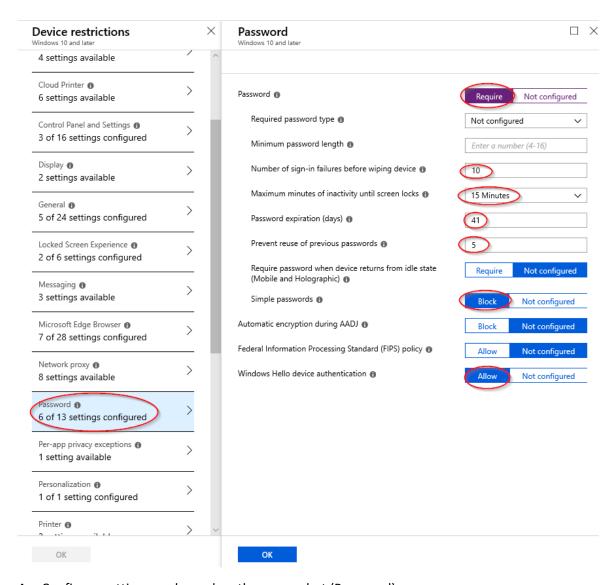




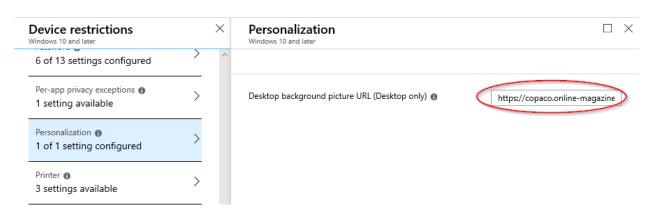
2. Configure the settings >

Name	Windows 10 – Device Restrictions
Platform	Windows 10 and later
Profile type	Device restrictions

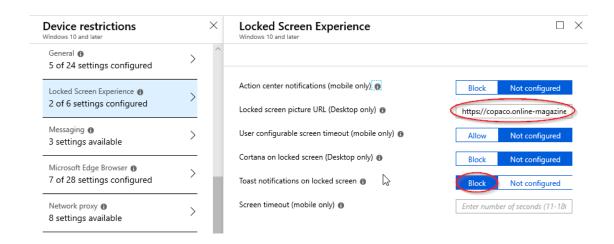
3. Configure settings as showed on the screenshot (General)



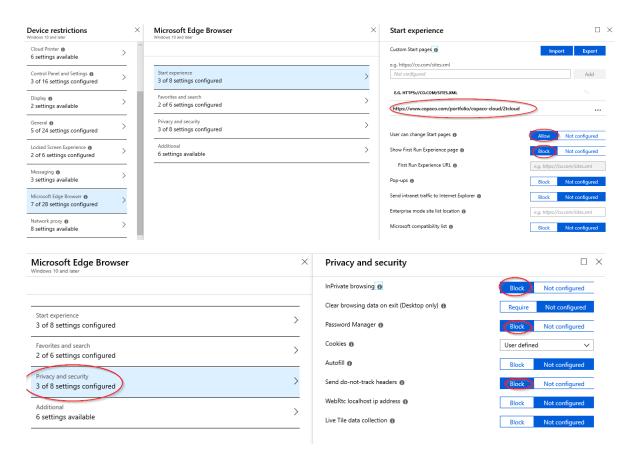
4. Configure settings as showed on the screenshot (Password)



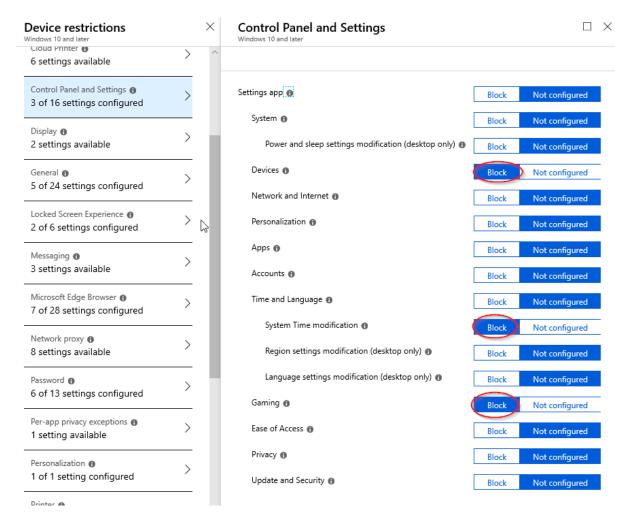
5. Configure settings as showed on the screenshot (Personalization)



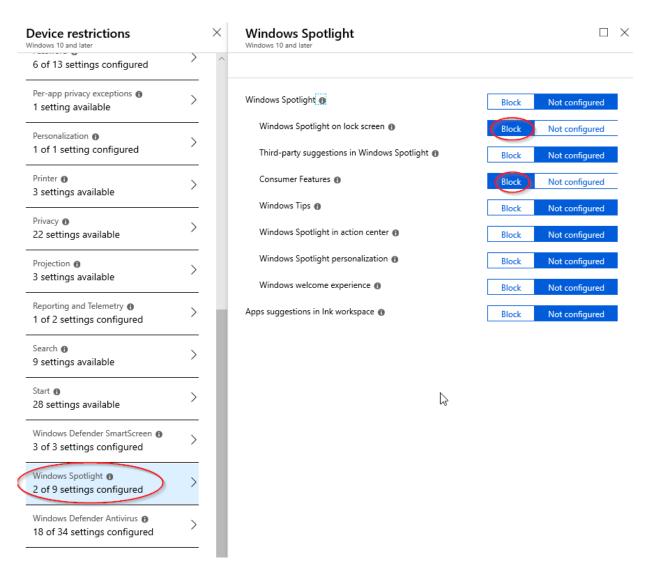
6. Configure settings as showed on the screenshot (Lock Screen Experience)



7. Configure settings as showed on the screenshots (Edge Browser)



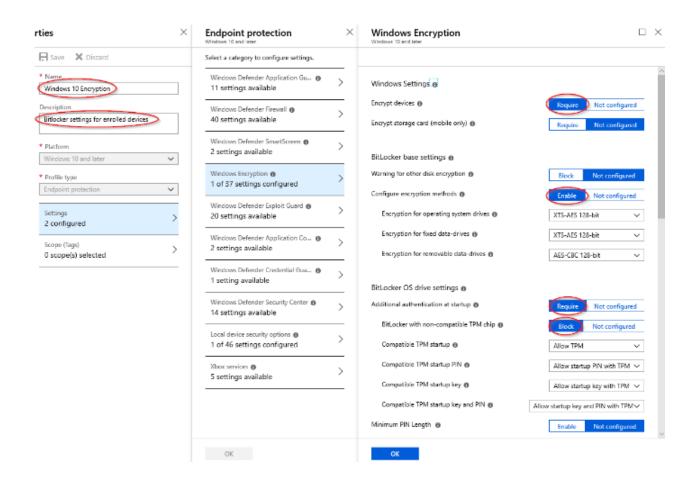
8. Configure settings as showed on the screenshot (Control Panel and Settings)

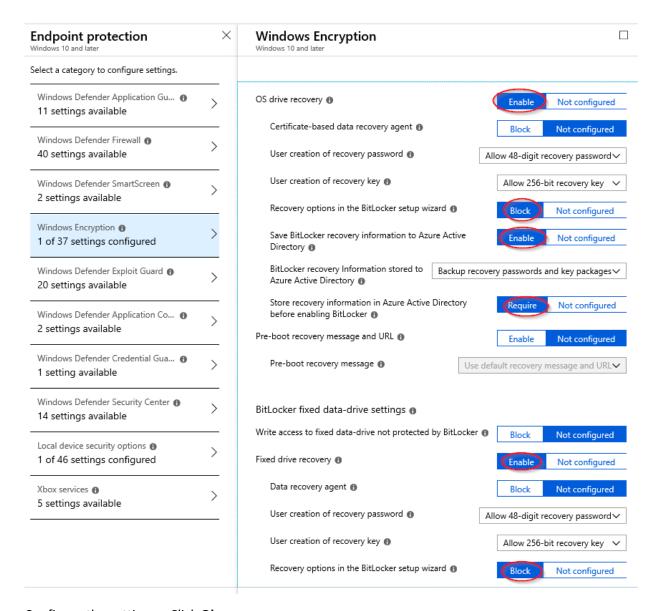


9. Configure settings as showed on the screenshot (Windows Spotlight)

Exercise 10b: Device Configuration - Windows Device Configuration

Go to Intune-> Device Configuration-> Profiles-> Create Profile





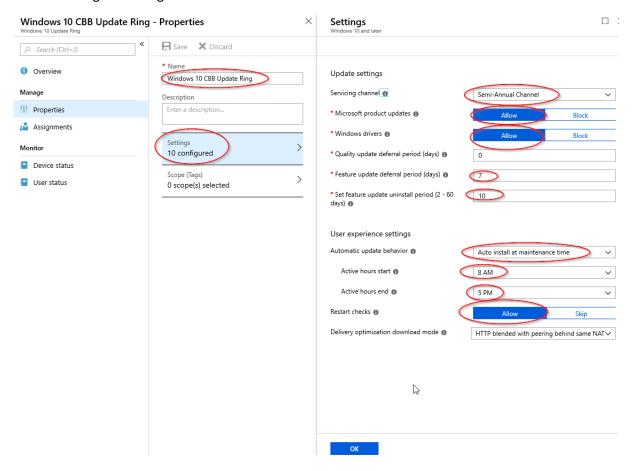
Configure the settings > Click Ok

Name	Windows 10 Encryption
Description	Bitlocker settings for enrolled devices
Platform	Windows 10 and later
Profile type	Endpoint protection

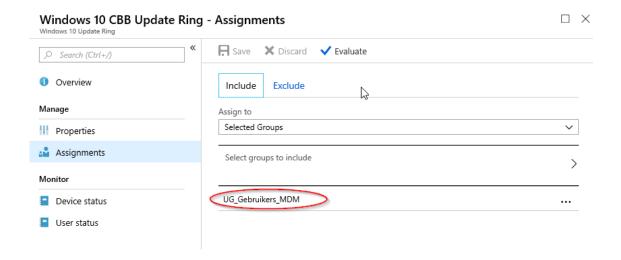
1. Configure settings as showed on the screenshots (2)

Exercise 11: Windows 10 Update Rings

- 1. Go to Intune -> Software Updates -> Windows 10 Update Rings
- 2. Click "Create"
- 3. Configure the settings -> Click Settings
- 4. Configure settings as showed on the screenshot



5. Assign the Windows 10 Update Ring to Group "UG_Gebruikers_MDM"

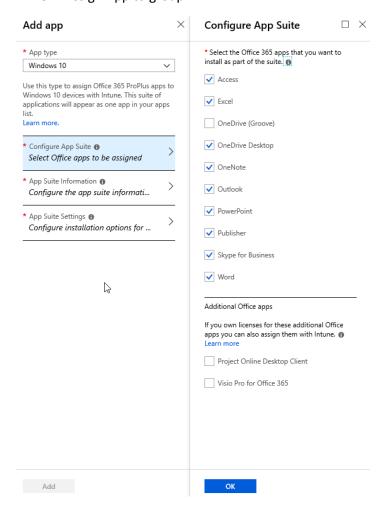


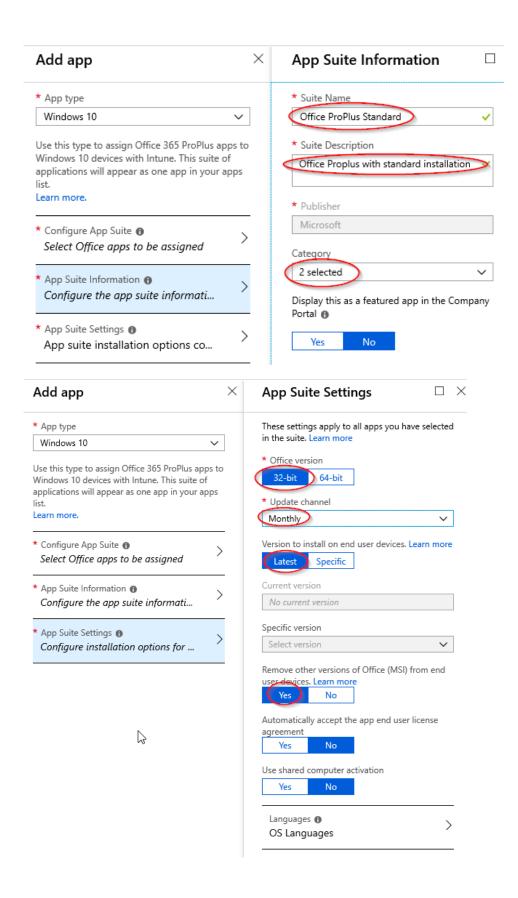
Exercise 12: Office ProPlus Deployment via Intune

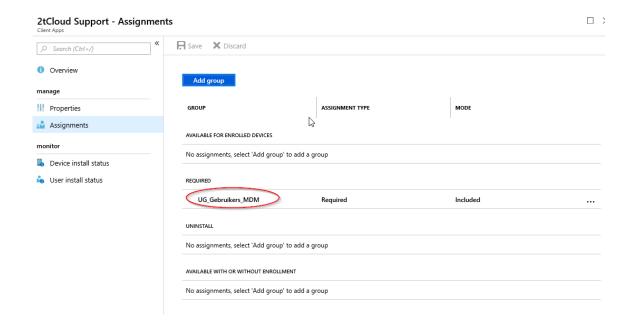
Go to Microsoft Intune -> Client Apps -> Apps

Try to create the Office365 Proplus App and assign it to group UG_Gebruikers_MDM

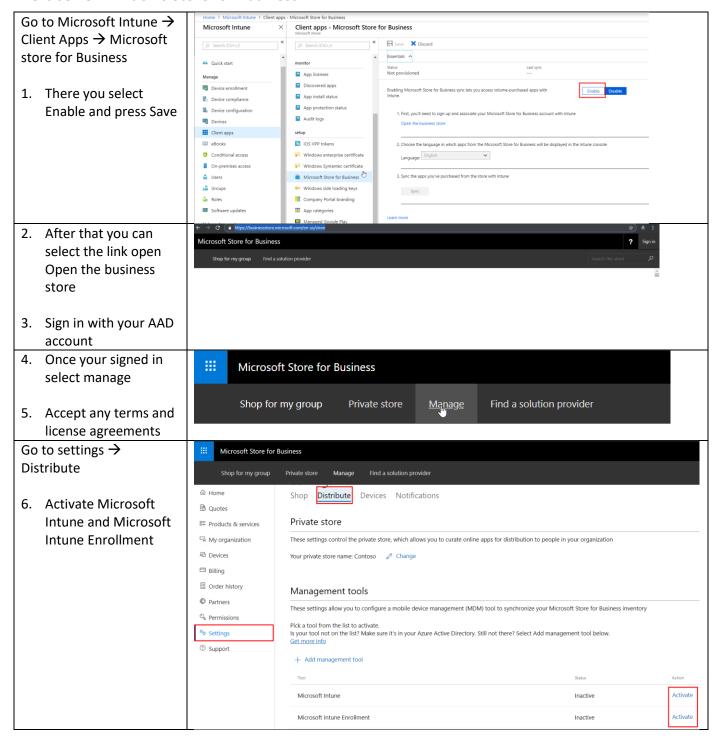
- 1. Add a App with App type "Windows 10"
- 2. Configure the settings
- 3. Assign App to group

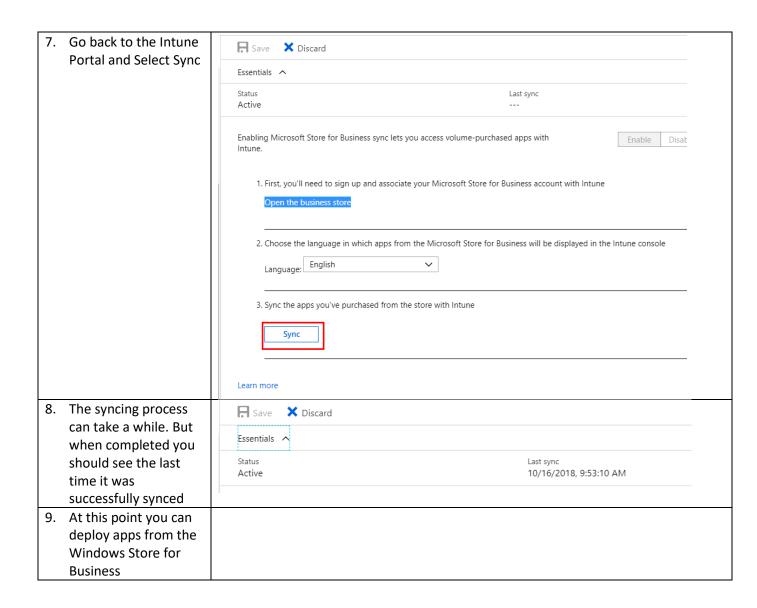






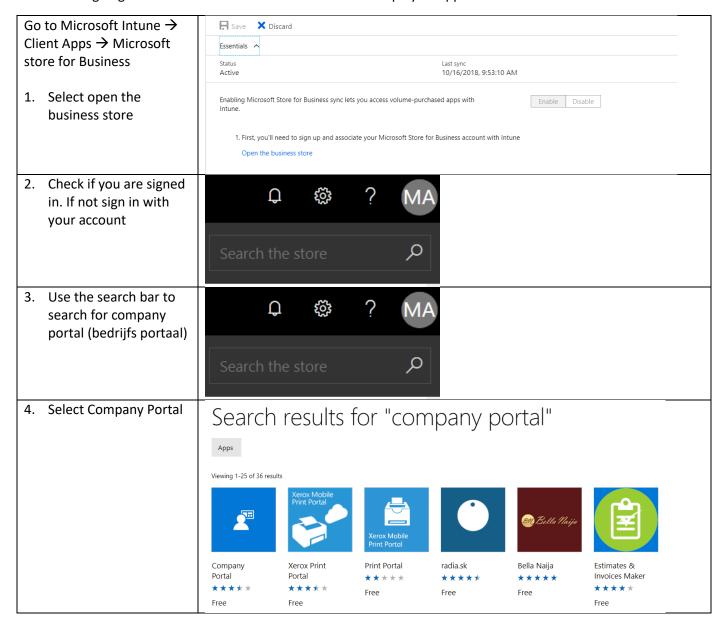
Exercise 13: Windows Store for Business

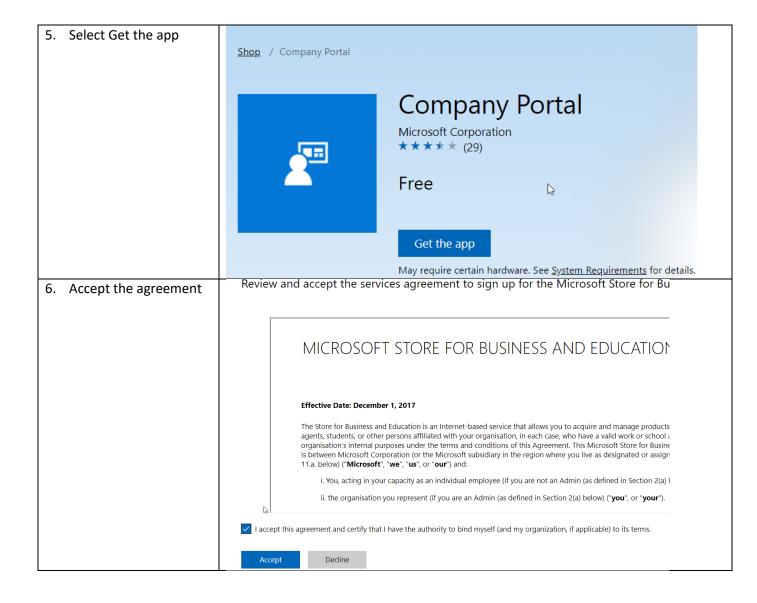


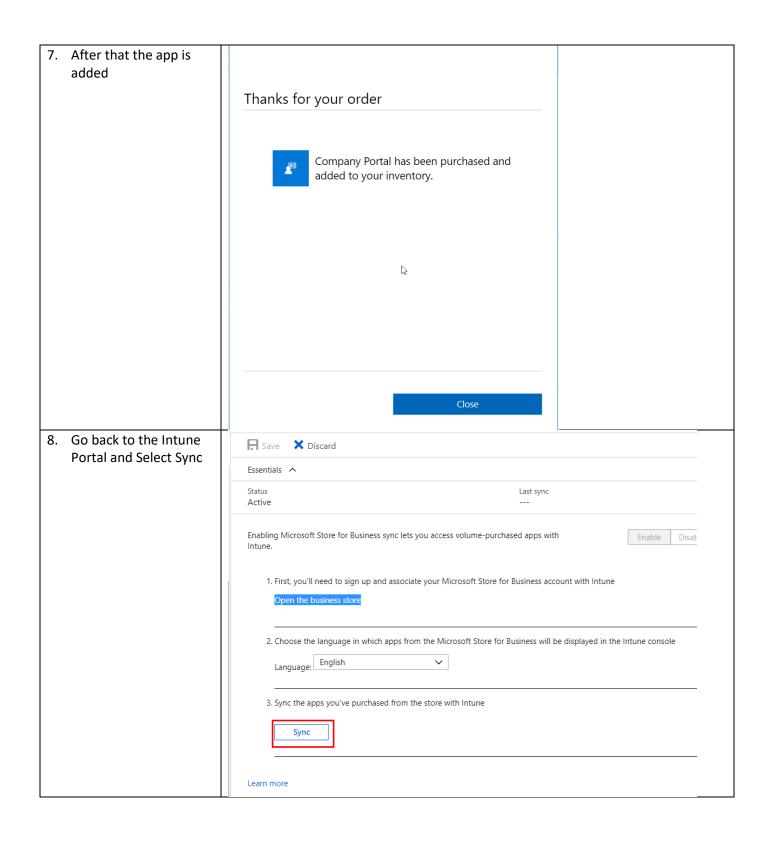


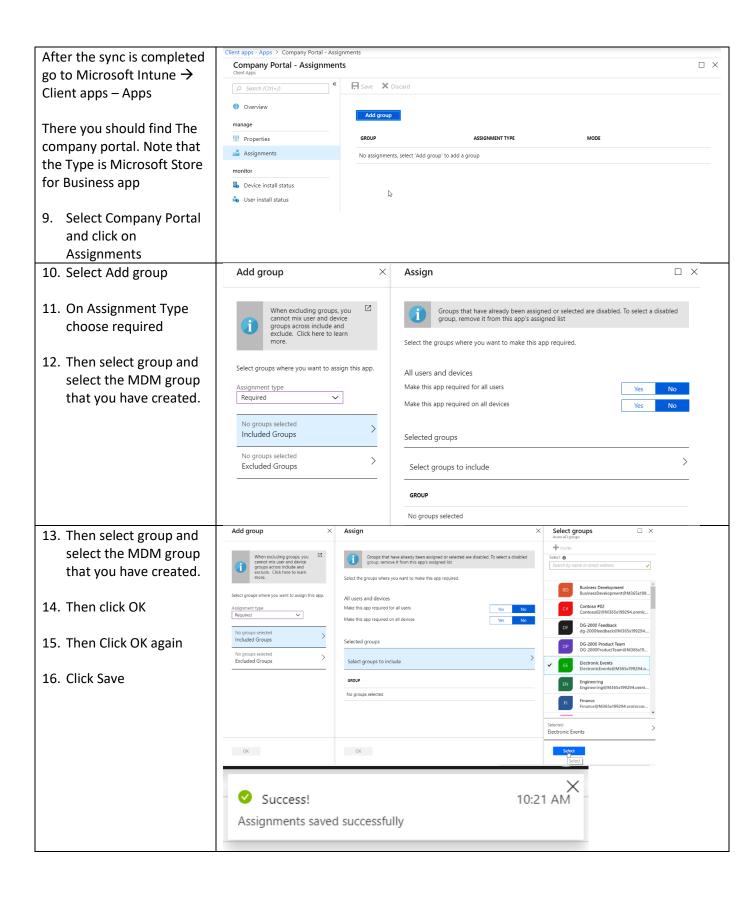
Exercise 14: Company portal

We are now going to use the Windows Store for Business to deploy an application.

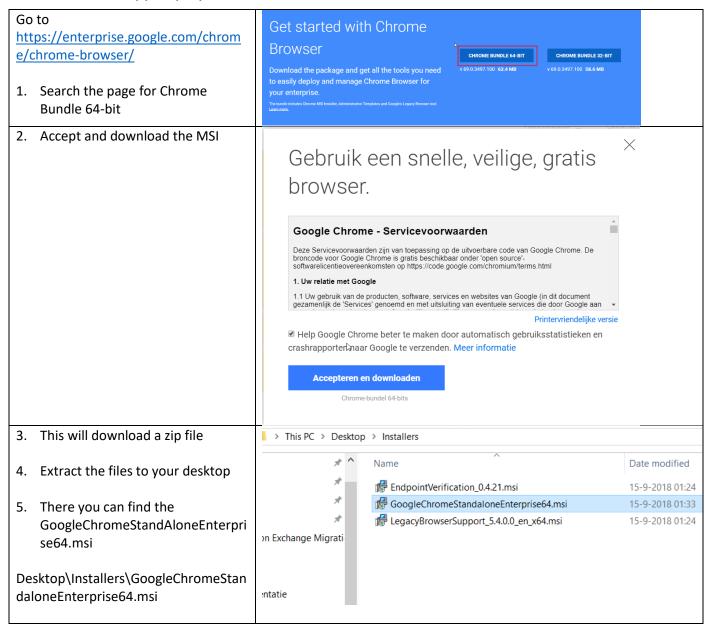


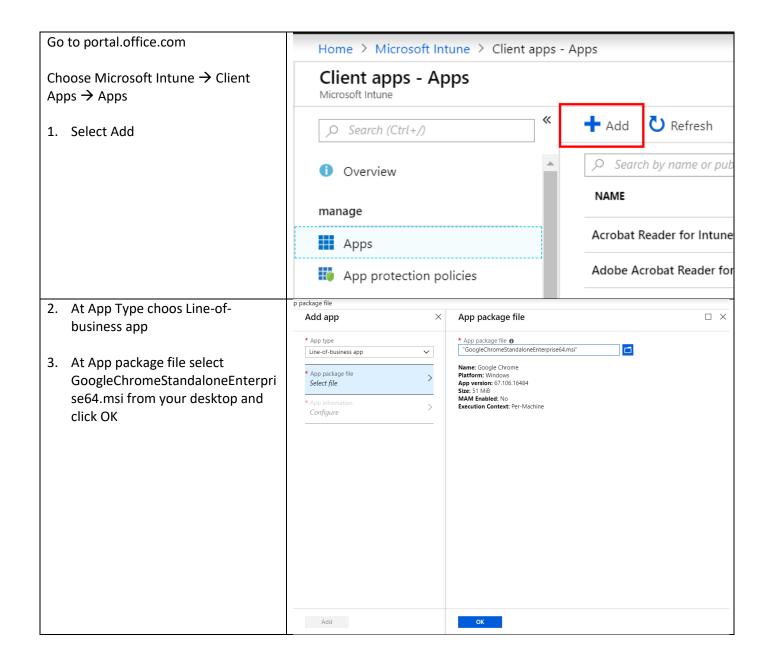


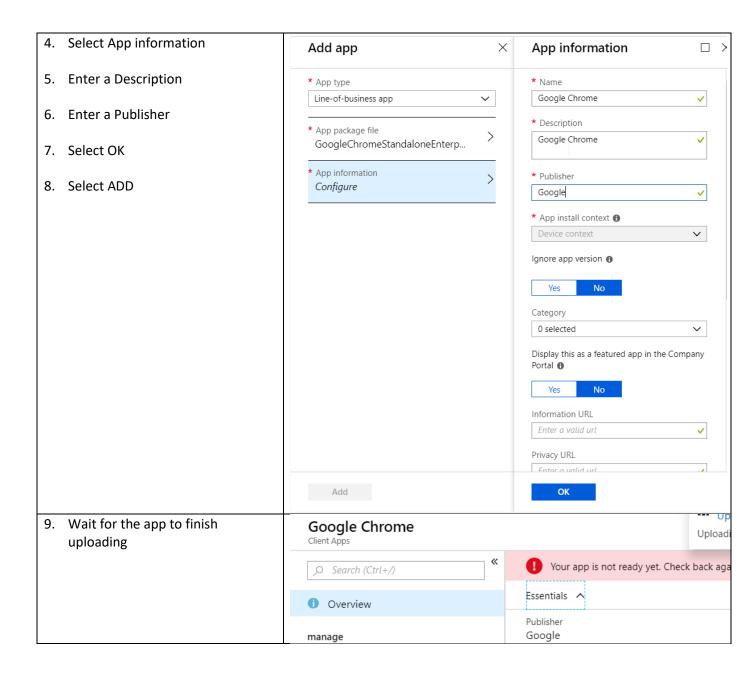


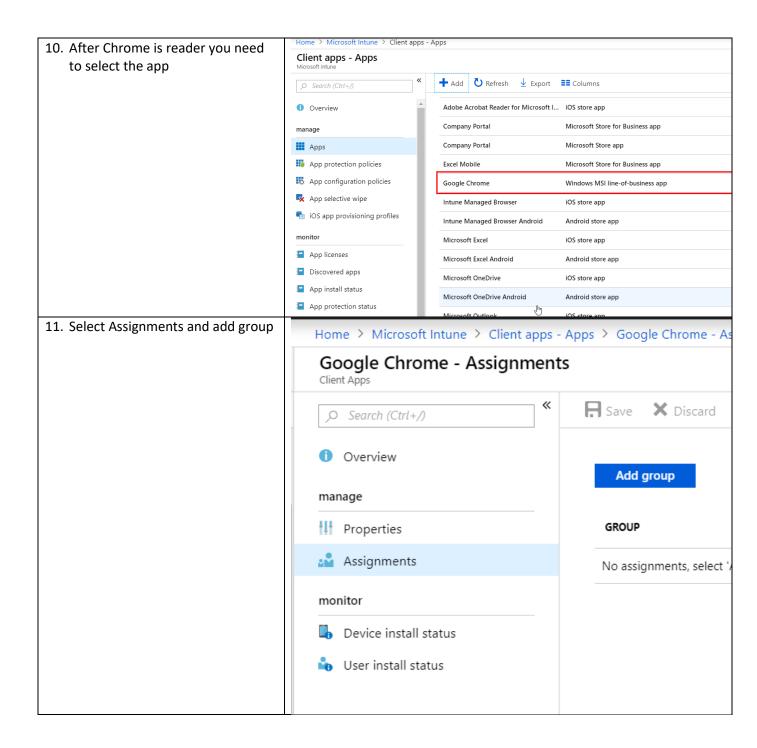


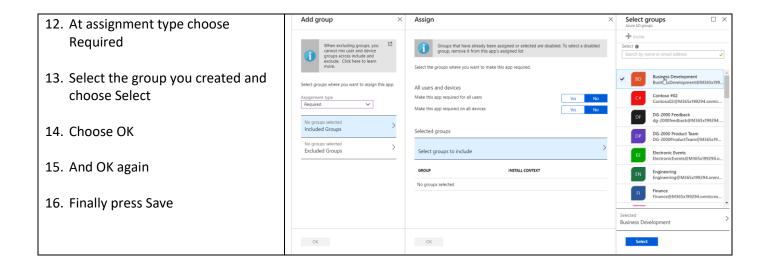
Exercise 15: MSI app deployment





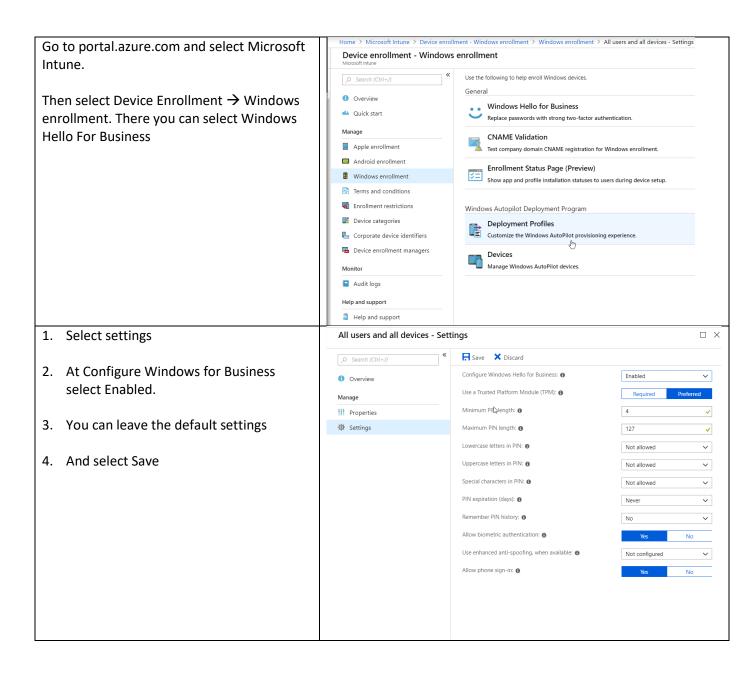




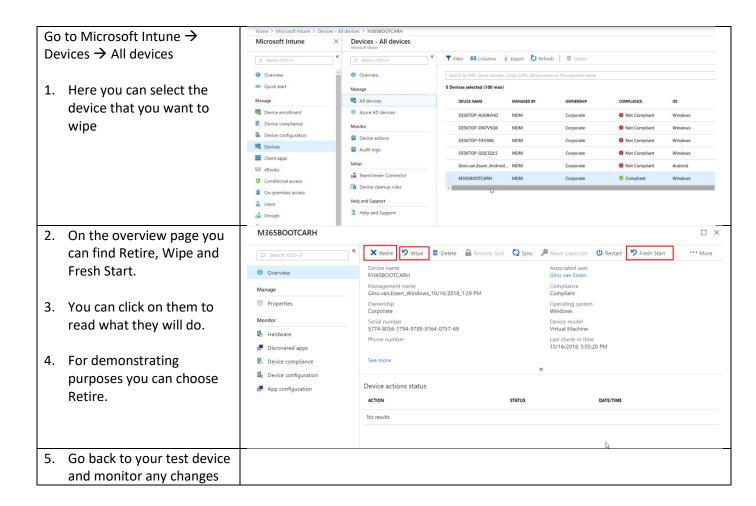


Exercise 16: Windows Hello

With Windows Hello you can allow user to access their devices using a gesture, such as biometric authentication, or a PIN.



Activity 5: Selective Wipe



This is the end of the lab.

Extra resources:

Modern Desktop Deployment Center

https://docs.microsoft.com/en-us/microsoft-365/enterprise/desktop-deployment-center-home?branch=desktop-deployment-book

Microsoft 365 Enterprise

https://docs.microsoft.com/en-us/microsoft-365-enterprise/

Enterprise Mobility + Security Blog

https://techcommunity.microsoft.com/t5/Enterprise-Mobility-Security/bg-p/enterprisemobilityandsecurity

Microsoft 365 Modern Desktop Lab Kit

https://www.microsoft.com/en-us/itpro/m365-powered-device-lab-kit