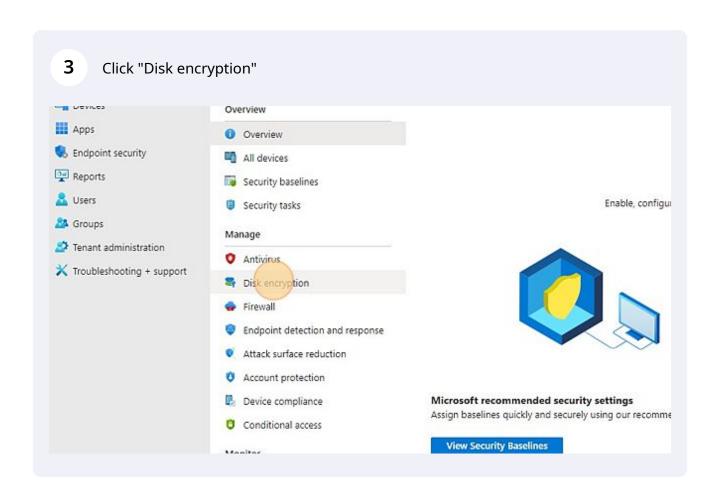
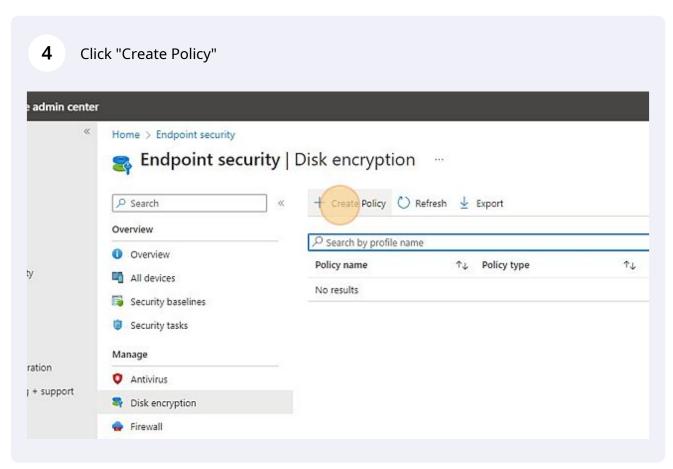
## How to Create BitLocker Encryption Profile for Windows in Microsoft Endpoint Manager

petri.com/best-practices-for-deploying-bitlocke...

1 Navigate to <u>endpoint.microsoft.com</u>

2 Click "Endpoint security" Microsoft Intune admin center A Home Dashboard Microsoft Managed Desktop Home Devices Status News Apps Endpoint security Errors/failures 8 Reports Users Device configuration 8 policies with error or conflict Groups Account status Active Tenant administration No installation failures Client apps Intune Cu X Troubleshooting + support Connector status Healthy Support tip Device compliance All in compliance Intune





Platform: Windows 10
Profile: BitLocker

Create a profile

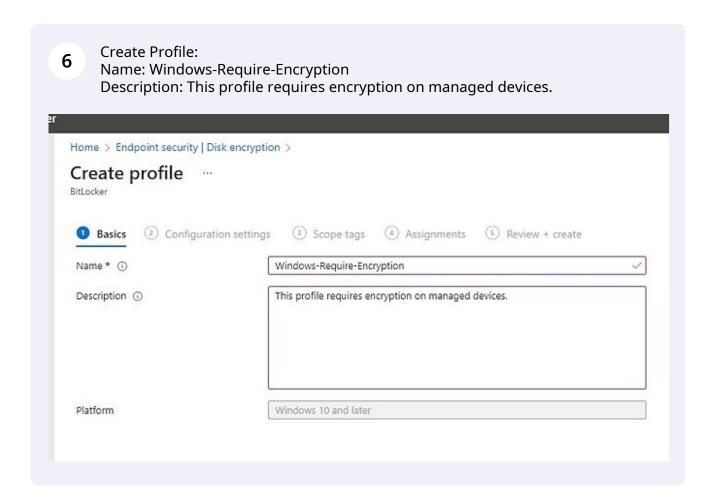
Platform

Windows 10 and later
Profile

Select a profile

Select a profile

Select a profile



7 BitLocker - Base Settings

- Enable full disk encryption for OS and fixed data drive = Yes
- Require storage cards to be encrypted = Yes
- -Hide prompt about third-party encryption = Yes
- -Allow standard users to enable encryption during Autopilot = Yes
- -Configure client driven recovery password rotation = Azure AD Devices

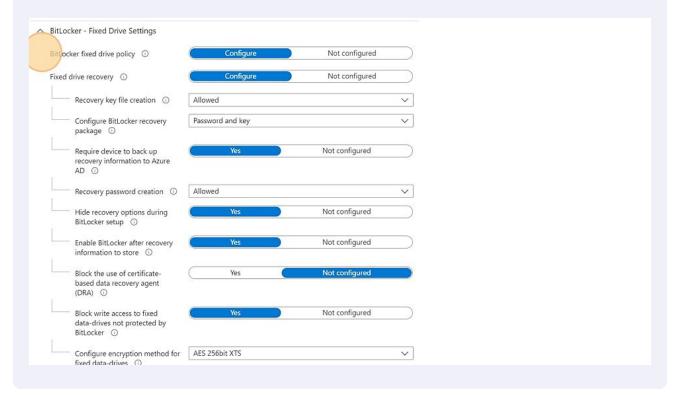


! Hiding prompts is a pre-requisite to silent encryption Allowing standard users to enable encryption is required for Autopilot Password rotation changes the keys each time they are used

8 BotLoo

**BotLocker Fixed Drive Settings:** 

- BitLocker Fixed Drive Policy = Configured
- Fixed Drive Recovery = Configured
- -Recovery Key File Creation = Allowed
- Configure BitLocker Recovery Package = Password and Key
- Require device to back up recovery information to Azure AD = Yes
- Recovery Password Creation = Yes
- -Hide Recovery Options During BitLocker Setup = Yes
- -Enable BitLocker After Recovery Information to Store = Yes
- -Block the Use of Certificates = Not Configured
- Block Write Access to Fixed Data Drive Not Protected = Yes
- -Configure Encryption Method = AES 256bit XTS

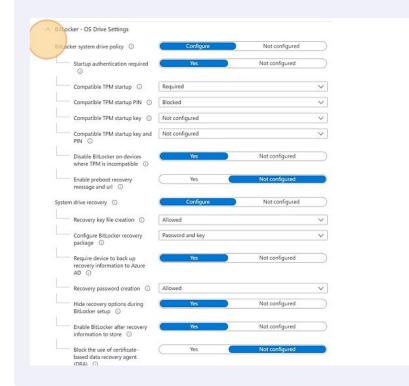


(!)

These settings support silent encryption Keys are safeguarded in Azure AD Blocks writing to unencrypted storage 9

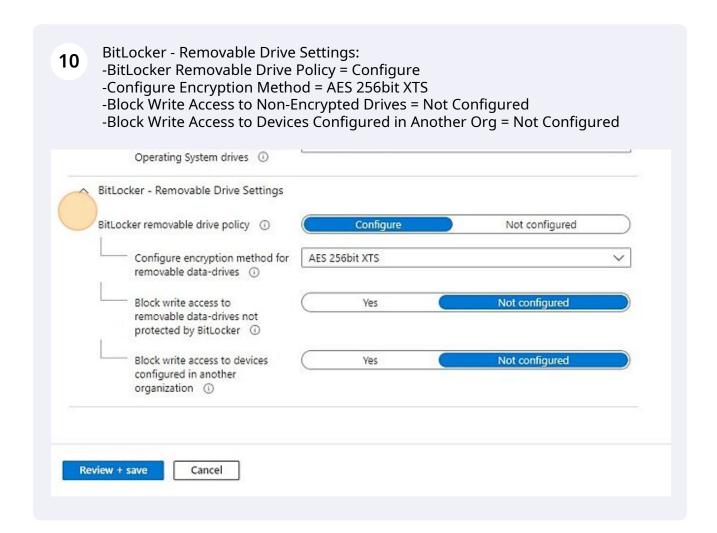
## BitLocker OS Drive Settings:

- BitLocker System Drive Policy = Configure
- -Startup Authentication Required = Yes
- Compatible TPM startup = Required
- Compatible TPM startup PIN = Not Configured
- Compatible TPM startup key = Not Configured
- Compatible TPM startup key and PIN = Not Configured
- Disable BitLocker on devices Where TPM is Incompatible = Yes
- -Enable Preboot Message and URL = Not Configured
- -System Drive Recovery = Configure
- Recovery Key File Creation = Allowed
- Configure BitLocker Recovery Package = Password and Key
- -Require Device to Backup to Azure AD = Yes
- -Recovery Password Creation = Allowed
- -Hide Recovery Options During BitLocker Setup = Yes
- -Enable BitLocker After Recovery Information Store = Yes
- -Block the Use of Certificates = Not Configured
- -Minimum PIN Length = 8
- -Configure Encryption Method = AES 256bit XTS





Keys are stored on the TPM
TPM supports silent encryption
Non TPM devices are excluded



! This allows the option for encryption using the set method only It does not block other removable drives

## 11 Target the required groups create prome BitLocker Onfiguration settings Scope tags Assignments Review + create Included groups A Add groups A Add all users + Add all devices Group Members ① M365.BusinessPremium.Enabled 0 devices, 3 users Remove Excluded groups When excluding groups, you cannot mix user and device groups across include and exclude. Click here to learn more about excluding groups. + Add groups Groups Group Members ① No groups selected

