

YubiKeys for Azure AD Passwordless Pre-Deployment Checklist

Introduction

The purpose of this document is to assess if the current infrastructure meets the hardware and software requirements to deploy YubiKeys as FIDO2 Security Keys (Passwordless) in an Azure Active Directory environment.

Pre-Deployment Checklist

General Requirements	✓
Microsoft Azure Global Administrator Access	
Microsoft Azure AD Multifactor Authentication	
YubiKey 5 Series <i>Note: Security Key may work for some envs if they are 100% FIDO only. YubiKey 5 Series is generally recommended as a best practice.</i>	
Browser support of FIDO2 passwordless authentication - Microsoft Entra	
Windows 10 version 1903 or greater Enable passwordless security key sign-in - Azure	
Internet connectivity to Azure AD	
Enable combined security information registration in Azure Active Directory	

(Optional) Requirements for Azure domain joined only Windows 10 Login	✓
Windows 10 1909 or later	
Azure AD Joined Machine	
Enable via either Intune OR Group Policy - Intune: Enable passwordless security key sign-in to Windows 10 devices with Azure Active Directory Group Policy: Enable passwordless security key sign-in to Windows 10 devices with Azure Active Directory	

(Optional) Requirements for SSO into on-premise resources and hybrid joined Windows 10 / 11 Login		✓
Windows 10 Update 2004 (May 2020) or later, Windows 11		
Latest available version of Azure AD Connect		
Enable passwordless security key sign-in to on-premises resources by using Azure AD		
Windows Server 2016 or 2019 Domain Controller with the latest patches <i>Note: These patches have been rolled into the latest monthly cumulative updates for each version.</i>		
	Windows Server 2016 Patches: https://support.microsoft.com/help/4534307/windows-10-update-kb4534307	
	Windows Server 2019 Patches: https://support.microsoft.com/help/4534321/windows-10-update-kb453432	

References

1. <https://support.yubico.com/hc/en-us/articles/360016913619>
2. **Microsoft - Passwordless authentication options for Azure Active Directory:**
<https://learn.microsoft.com/en-ca/azure/active-directory/authentication/concept-authentication-passwordless#fido2-security-key-providers%20%22>
3. **Microsoft - Browser Support of FIDO2:**
<https://learn.microsoft.com/en-us/azure/active-directory/authentication/fido2-compatibility>