



SurePassID Windows Logon Manager Guide

SurePassID Authentication Server 2024



© 2013-2024 SurePassID, Corp. All rights reserved. Protected by patents pending. SurePassID, the SurePassID logo and design, and Secure SSO are registered trademarks or trademarks of SurePassID, Corp. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

SurePassID, Corp.

360 Central Avenue

First Central Tower

Suite 800

St. Petersburg, FL 33701

USA

+1 (888) 200-8144

www.surepassid.com

Table of Contents

Table of Figures..... 4

Introduction..... 5

What is the SurePassID Windows Logon MFA? 6

Prerequisites..... 7

How does it work?..... 7

Pre-Installation Steps 8

Installing Windows Logon MFA 8

SurePassID Logon Configuration Manager 14

Testing the Template 21

Preparing Deployment Packages..... 27

Deploying Windows Logon MFA..... 29

Master Passcodes..... 30

Offline Operations 30

FIDO U2F Considerations 31

Table of Figures

Genuine App Notification	9
Start Installation	10
Review EULA	11
Complete Installation	14
SurePassID Logon Configuration Manager Shortcut.....	15
SurePassID Logon Configuration Manager App.....	16
Machine Template Configuration	16
SurePassID WLM Login - Passcode (OTP) Option	23
SurePassID WLM Login – Without Passcode (OTP) Option.....	23
SurePassID Logon Configuration Manager App.....	24
SurePassID WLM - Login Prompt	25
SurePassID WLM Login – Waiting on Push After Prompt.....	26
SurePassID WLM Login – Waiting on Push	26
SurePassID WLM Login – Waiting on Fido.....	27

Introduction

This guide explains how to install and configure the SurePassID Windows Logon MFA for Windows. This guide's purpose is to provide a reference for system administrators.

This guide provides information on the following topics:

- **What is SurePassID Windows Logon MFA?**
 - A brief introduction to the SurePassID Windows Logon MFA.
- **Installing and Configuring SurePassID Windows Logon MFA**
 - Detailed explanations for installing the SurePassID Windows Logon MFA in a Windows environment.

Other SurePassID Guides

The Server Install Guide for Windows Servers has the following companion guides that provide additional detail on specific topics for SurePassID:

- [SurePassID LDAP Installation Guide.pdf](#)
- [SurePassID Postman Guide.pdf](#)
- [SurePassID Server Install Guide.pdf](#)
- [SurePassID Google Authenticator Guide.pdf](#)
- [SurePassID Mobile Authenticator Guide.pdf](#)
- [SurePassID ServicePass User Guide.pdf](#)
- [SurePassID Swagger Guide.pdf](#)
- [SurePassID Windows Logon MFA Guide.pdf](#)
- [SurePassID ServicePass Install Guide.pdf](#)
- [SurePassID Mobile Connector Install Guide.pdf](#)
- [SurePassID SEIM Guide.pdf](#)
- [SurePassID FreeRADIUS Guide.pdf](#)
- [SurePassID Administration Guide.pdf](#)
- [SurePassID ADFS Installation Guide.pdf](#)
- [SurePassID O365 SSO Identity Provider Installation Guide.pdf](#)
- [SurePassID Desktop Authenticator Guide.pdf](#)
- [SurePassID Directory Sync Guide.pdf](#)
- [SurePassID Linux PAM.pdf](#)

What is the SurePassID Windows Logon MFA?

The SurePassID Windows Logon MFA is a Windows Security plug-in component that adds Multi-Factor Authentication (MFA) to any Windows system. The SurePassID Windows Logon MFA protects laptops, desktops, and servers from attacks when locally logging into a Windows device or login via Windows Remote Desktop Services (RDS).

The SurePassID Windows Logon MFA works with any SurePassID server (cloud, on-premises) and supports all the SurePassID MFA supported OTP devices including key fobs, FIDO tokens, display cards, soft tokens such as SurePassID Mobile Authenticator, Google authenticator, and mobile app push technologies such as Tap Auth (SurePassID Mobile App), Tap Auth Fido (SurePassID Mobile App for FIDO).

The system supports offline authentication allowing users to work securely when they do not have any network connectivity; like in a car, train, plane, and unsecure locations.

Some offline options are:

- **Single Factor Only** - Revert to username and password only. No MFA required.
- **Require MFA** - HOTP passcodes (mobile, fob, etc.) or FIDO device.

Other features:

- **Master Passcodes** - Admins can set strong OTP passcodes to access user workstations in extreme emergencies.
- **Fast and easy deployment options** – Use the system configuration tools that you already use like SCCM, GPO's, etc. to deploy the system.
- **Configuration export/import templates** - Configure a single windows system as the gold standard and then easily replicate to all other machines in the network. You can then easily burn it into your corporate Windows system images, so it is automatically present on any new Windows system.

Prerequisites

SurePassID Windows Logon MFA can be installed on the following 64-bit Windows versions:

- Windows 2012 – All 64-bit versions – not recommend
- Windows 2016 – All 64-bit versions
- Windows 2019 – All 64-bit versions
- Windows 2022 – All 64-bit versions
- Windows 10 – All 64-bit versions
- Windows 11 – All 64-bit versions

You will also need a SurePassID MFA server. This can be the public cloud version, private cloud on Microsoft Azure, Amazon AWS (Amazon Web Services) or on-premises. If you are using public or private cloud options, you must have TLS 1.2 enabled for communications to the server. This is also required for on-premises installations as well.

This document assumes that you have configured users in SurePassID MFA server and have assigned them MFA tokens.

If you need an account, you can sign up for one [here](#).

How does it work?

Winlogon is the Windows component that performs interactive login for windows systems. Winlogon supports a variety of authentication methods such as passwords and PINs (Personal Identification Number) that windows users use today. Winlogon behavior can be enhanced by adding different forms of logon authentication methods (displayed as tiles) through the Windows Credential Provider (WCP) interface. SurePassID uses the WCP interface and other system settings to add a multi-factor authentication experience to Winlogon. After you add SurePassID WCP, it will be visible as another logon tile no different than password or PIN (Personal Identification Number) logon tiles.

To add SurePassID Windows Logon MFA, the following items must be installed on each workstation:

- SurePassID WCP – SurePassIdCredentialProviderV2.dll
- RegisterSurePassIDWithWindows.reg – Turns on the SurePassID Windows Logon MFA as a Winlogon option tile. It does not remove/restrict other logon tiles such as password or PIN tiles.
- SurePassIDWindowsLoginMFASettings.reg – Registry settings to configure the behavior for the WCP. These registry settings are created using SurePassID Login Configuration Manager. More on that later.

These files are all installed after running the product installer.

Pre-Installation Steps

Since SurePassID Windows Logon MFA is installed on Windows servers, workstations, and laptops it is important to plan out your deployment. Typically, you follow these steps:

- (1) What user groups will require MFA? System administrators, shop floor workers, IT workers, general population, etc.
- (2) Why types of Windows devices will you be locking down? Workstations, servers, laptops, kiosks, etc.
- (3) What type of authentication methods will users be permitted to use? For instance, will all users be required to use a hard token, and some users use a soft token, and still others use push authentication? Perhaps you will permit users to choose from a list of authentication methods at login time.
- (4) Machine Templates
 - a. Create dedicated test machines that replicate the target production configuration for desktops, laptops, and server. It is recommended that these test machines are virtualized just in case you get locked out. As part of the configuration, you can fall back to the last known good save point. You can also use physical machines.
IMPORTANT: Under no circumstances should you use your personal machine or a production server at this time. It is too soon for that.
 - b. Install and configure SurePassID Windows Logon MFA.
 - c. When configuration is complete you can create deployment packages from the machine template and deliver them to target machines. More on that later.

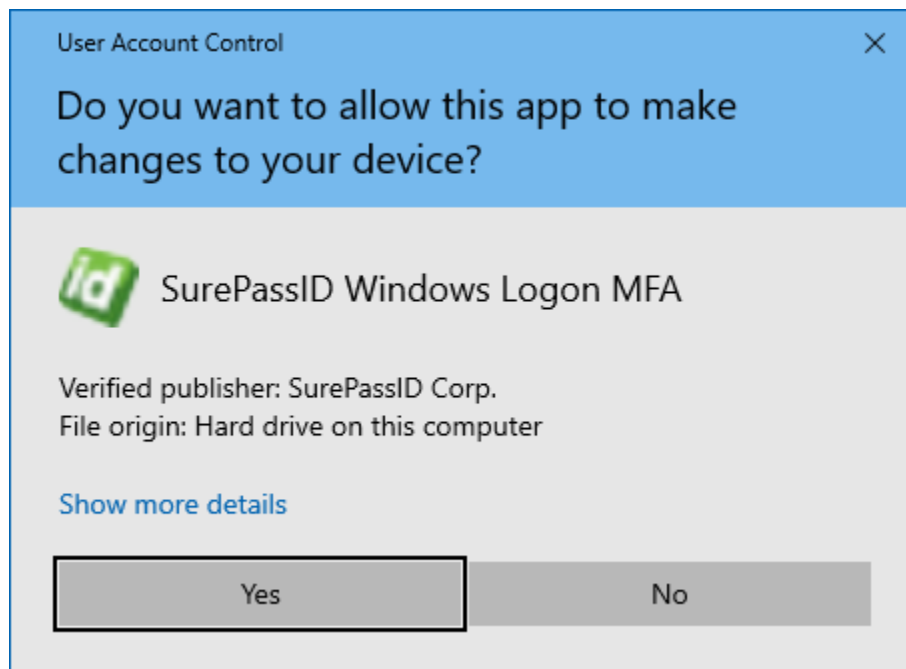
Installing Windows Logon MFA

The SurePassID Windows Logon MFA installer will install all of the product components and optionally display the SurePassID Logon Configuration Manager.

To start the installation, you must first download the installation file **SurePassIDWindowsLogonMFA_V2.exe** to one of your Windows systems.

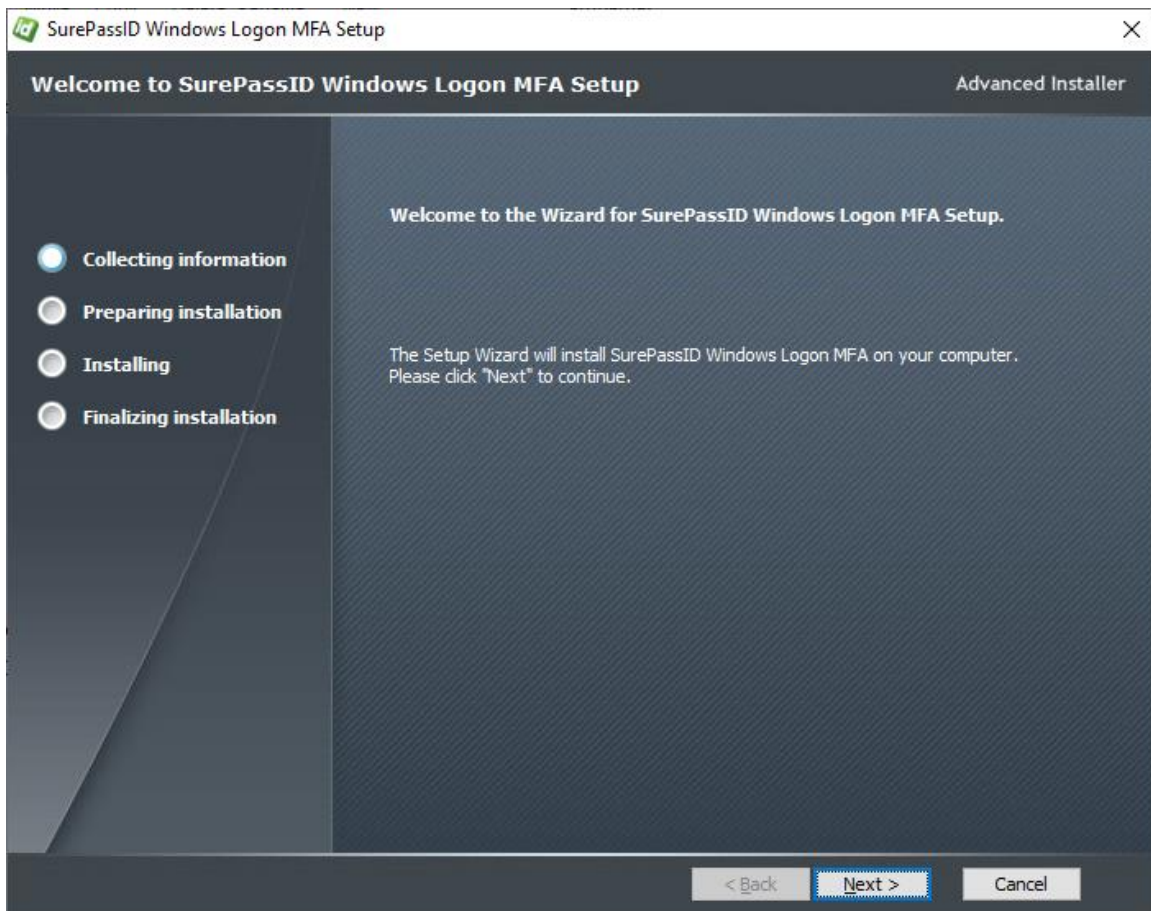
After the file has been downloaded, execute the file and you will see a

SurePassID Windows Logon MFA genuine app notice.



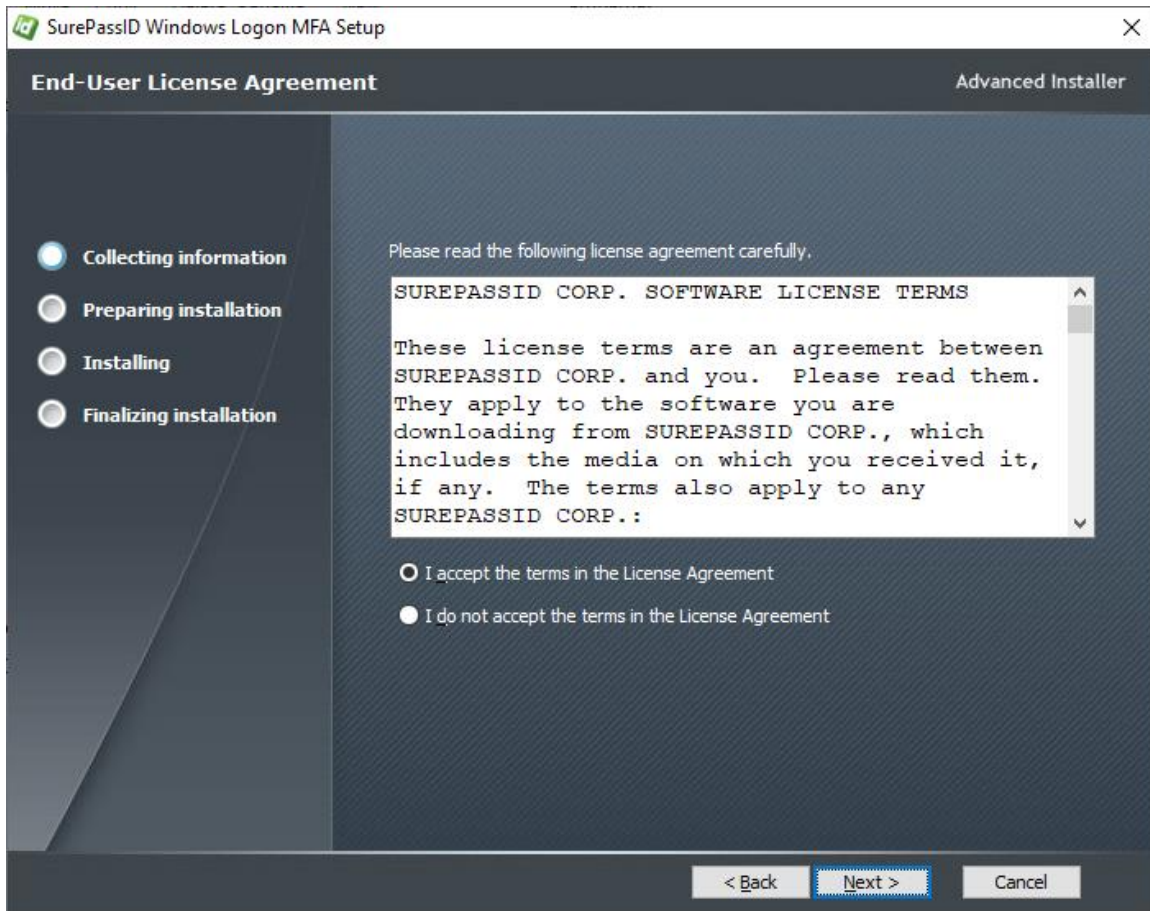
Genuine App Notification

Press the **Yes** button to proceed with the installation. If you do not see this screen, cancel immediately.



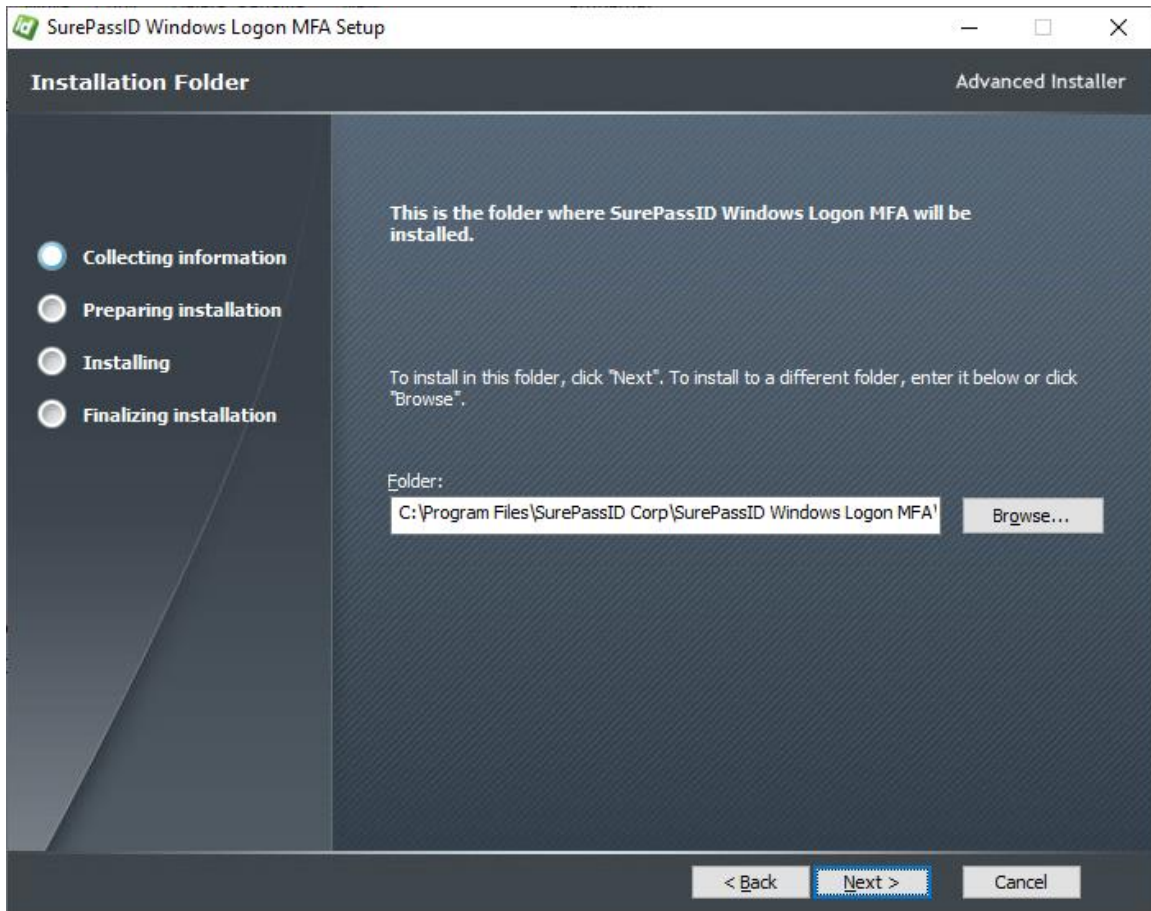
Start Installation

Press the **Next button** to proceed with the installation.

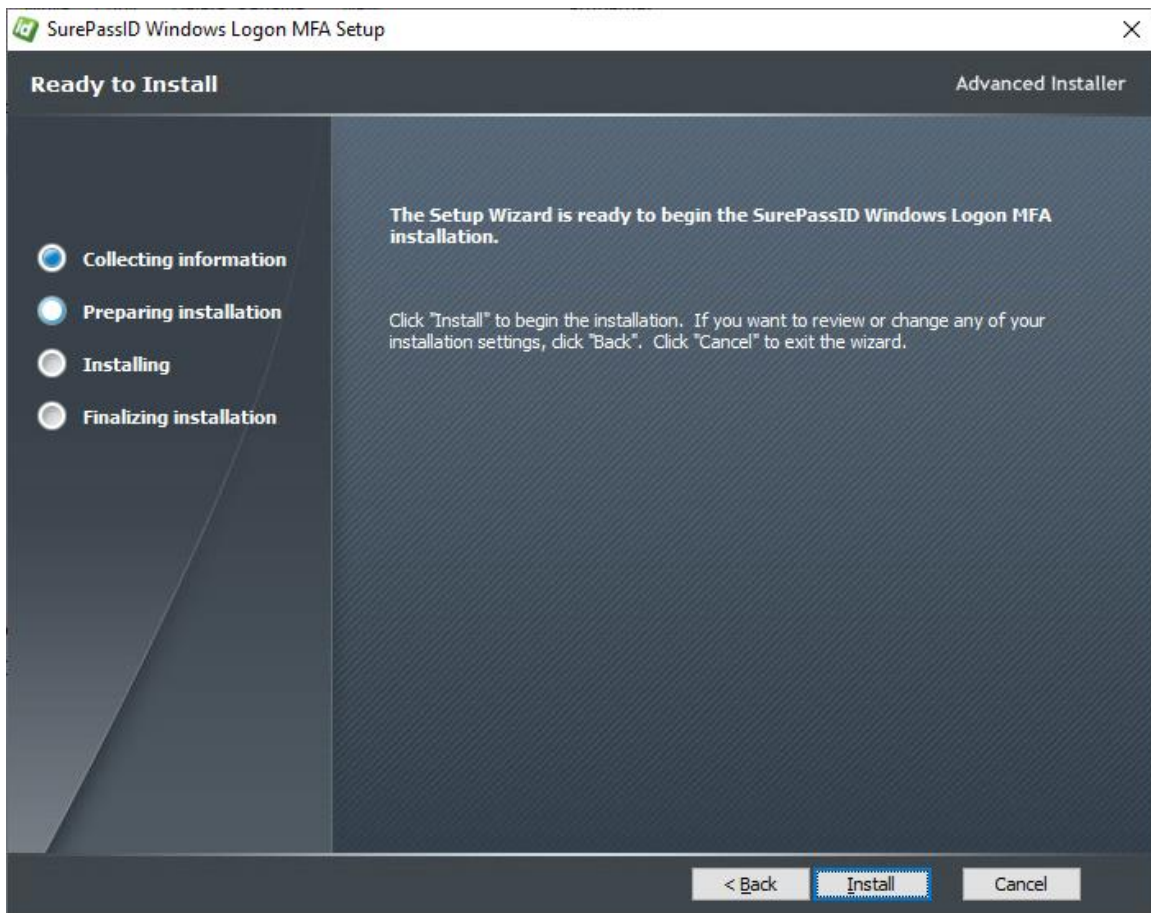


Review EULA

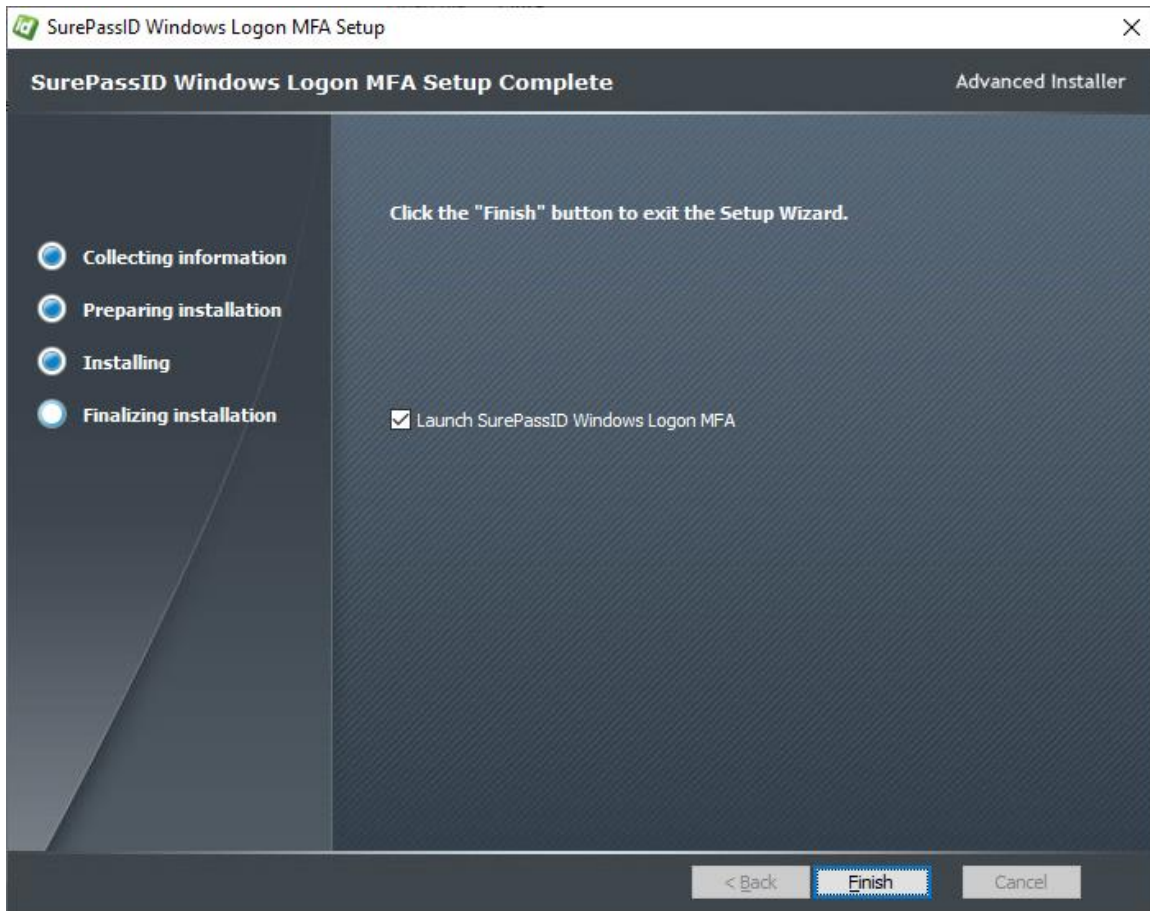
Read the End User License Agreement and click the **I accept the terms in the License Agreement** if the license Agreement is acceptable **and then** press the **Next** button to proceed with the install.



Press the **Next** button to proceed with the installation.



Press the **Install** button.



Complete Installation

Check the **Launch SurePassID Windows Logon MFA** to start configuring the system now. You can always use the SurePassID Logon Configuration Manager at any time. There are short cuts on the desktop and Start menu.

Press the **Finish** button and you will see the SurePassID Logon Configuration Manager will be launched.

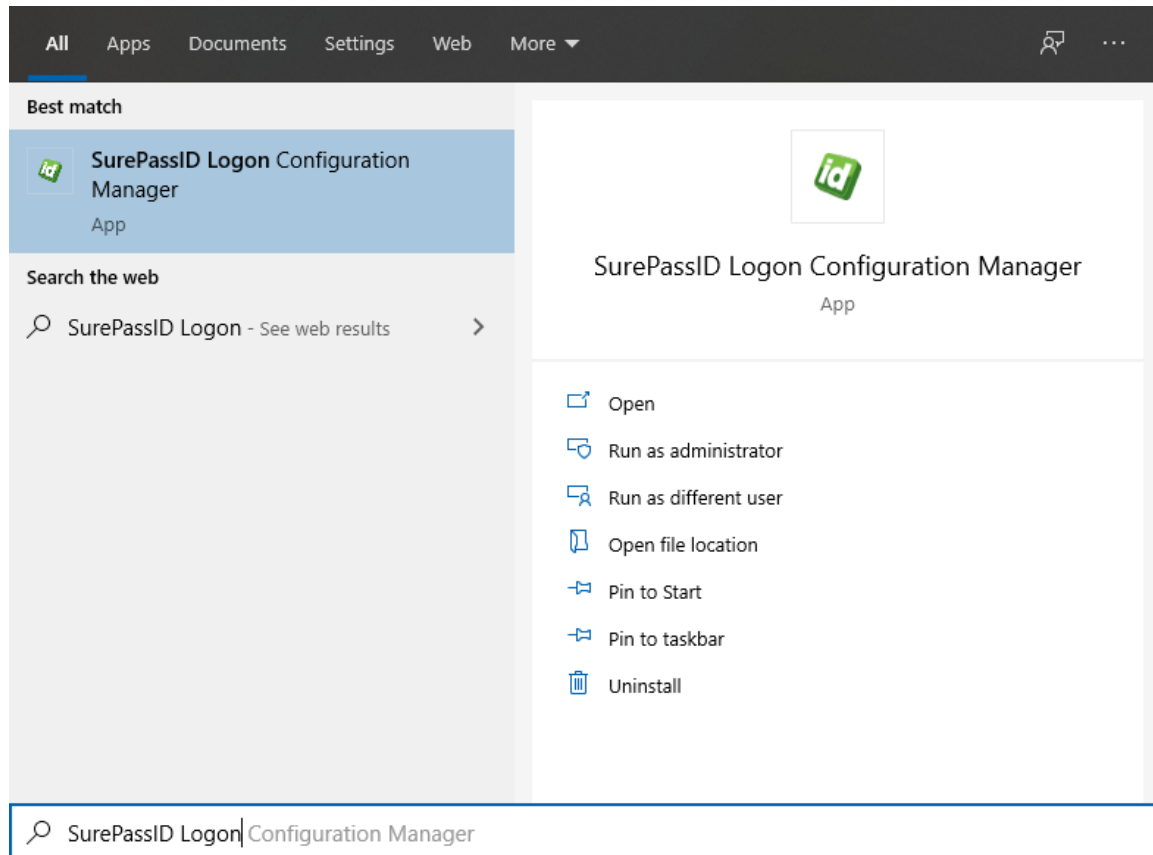
SurePassID Logon Configuration Manager

The SurePassID Logon Configuration Manager form allows you to configure SurePassID Windows Logon MFA and create a machine template for future deployment to other machines.

SurePassID Logon Configuration Manager will save all the settings in the registry so that you can test everything on the current machine. When testing is complete, you export those registry settings creating a machine template, then

combine it with other SurePassID files to create a deployment package for other machines.

After installation, you can always start the configuration with any number of shortcuts that are created on the desktop and Start menu as shown below.



SurePassID Logon Configuration Manager Shortcut

The SurePassID Logon Configuration Manager will be displayed as shown.

Application Keys also include the permissions for requests the application can perform.

Application Keys are managed in SurePassID Administration Portal. To learn more about managing Application keys see this [video](#):

- **Server Name** – This is the listening endpoint for the SurePassID server. For example:

https://your_SurePassID_server_url/AuthServer/

For convenience, the following abbreviations can be used as well:

- **sandbox** – The SurePassID test cloud service
- **production** – The SurePassID production cloud service
- **Connection Timeout (secs):** The time limit for establishing a server connection. If it isn't made within this period, the server is deemed offline.
- **Test Button** – Verify the **Server Name** and credentials (**Application Key Id** and **Application Key**) to the SurePassID Server installation.

Logging

- **Logging Level** – Sets the amount of logging that will be captured by the system. Set this to **None** to turn off logging. This is the recommended setting for normal operations.
- **Log Path** – The directory path where all log files will be stored. This path should not necessitate Windows UAC.
- **Filename Base** – The base filename for the log file.
- **Filename Ext** – The file name extension for the log file.

The full log file path is: <Log Path>\<Filename Base>. <Filename Ext>

Permitted Oath (OTP) Authentication Methods

Set the allowable ways a user can request or enter a passcode (OTP):

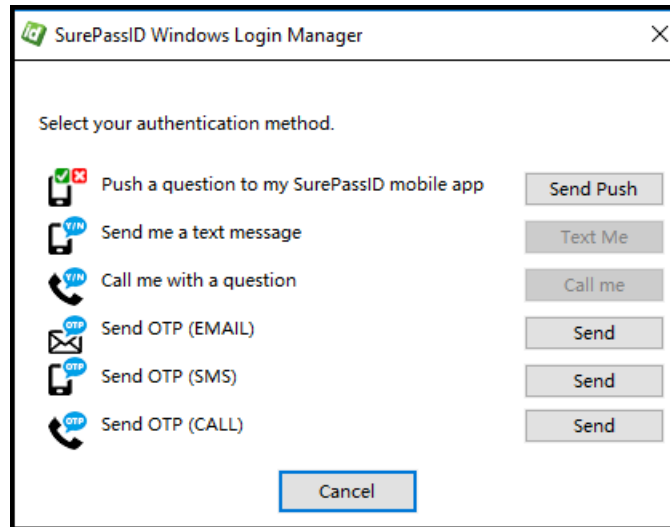
- **Enter passcode** – User can enter a passcode from a token or a mobile app. If you do not have this checked, then the following three options cannot apply
- **Send passcode to SMS** – The user's phone receives the passcode via SMS.
- **Send passcode to email** – Passcode is sent to the user's email.

- **Call phone with passcode** – User will be called, and a passcode will be spoken to them.

Permitted Push Authentication Methods

You can allow the user to use push authentication methods:

- **Push Prompt to Mobile app** - The user receives a login approval request notification. The user accepts the SurePassID Authenticator mobile app.
- **Call Prompt to Call Phone** – User receives a call on their phone and accepts or denies login access.
- **Push Prompt to SMS** - User receives an SMS and accepts or denies login access with a Y or N.
- **Auto Push Method** – Specify the automatic push authentication method that will be triggered after the user enters their username and password on the Windows login screen.
 - **None** – Do not initiate any automatic push authentication method.
 - **Prompt For Fido security key** – User will need to tap their NFC (Near Field Communication) enabled Fido2 security key such as a HID C2300 card or YubiKey.
 - **Push Prompt to Mobile App** – User will be sent a push notification message to the SurePassID mobile phone app.
 - **Push Prompt to Call** – User will receive a phone call asking them to approve/deny authentication.
 - **Push Prompt to SMS** - User will receive an SMS asking them to approve/deny authentication.
 - **Prompt For Login Method** – The user will be offered a list of authentication options they can select. Users can only select options that have been permitted from the **Permitted Oath Authentication Methods** and of the **Permitted Push Authentication Methods**. When choosing this option, the user will see the following after entering their username and correct password:



- **Push App Name** - The name of the application shown in the push notification received by the user. For example: Access Windows Workstation.
- **Push Reason** – The reason for authentication that the user receives in the push notification. For instance: Login

Miscellaneous

- **Master Passcode** – The code that can be used by administrators as a substitute (bypass) for the MFA One Time Passcode. It is meant to be used in emergency situations only and is an option feature.
- **Default Domain** – the default domain when logging into a workstation using the Windows login **Other** user account.
- **MFA Enforcement Policy** – Which users should have to use MFA to login.
- **Offline Security Policy** – The policy for authenticating users when they do not have connectivity to the SurePassID MFA server. The options are:
 - **Username and Password Only** - Allows the system to fall back to a single factor (username and password only).
IMPORTANT: We strongly discourage the use of this option.
 - **Require Offline MFA** demands that the user uses an offline MFA method such as mobile OTP, Key Fob or FIDO device.
 - **Not Allowed** – The user cannot login to this machine when they are not connected. This setting is applicable for machines that are stationary such as workstations and servers.

Web Proxy

You will need to set this if you are using SurePassID in the cloud and your organization requires all outbound traffic to go through a proxy. The options are:

- **None** – You are not using an outbound proxy, or your proxy is configured to allow traffic to SurePassID endpoints.
- **Manual** – You will set the proxy server (**Proxy Server Endpoint**) and proxy port (**Proxy Port**). The **Proxy Server Endpoint** must be a valid URI such as <http://proxyserver> or <https://192.192.192.192>.
- **Auto** – Windows Login Manager will find the proxy settings on the machine it is running on and use them.

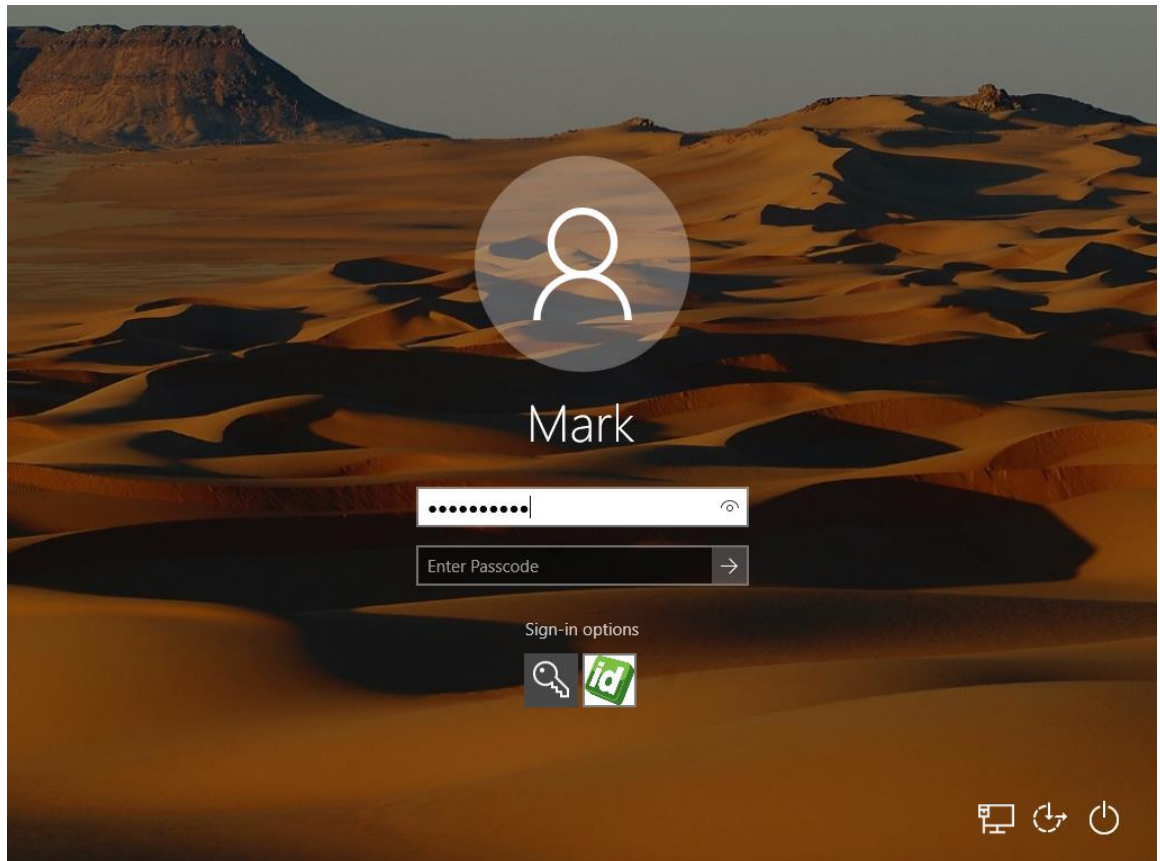
IMPORTANT: Ensure that workstations or servers using SurePassID Windows Login Manager can communicate with the SurePassID MFA server. You may need to create a firewall rule allowing traffic on port 443 to the MFA server.

FIDO (WebAuthn)

- **U2F AppId** – This is the FIDO AppId utilized to register the user's FIDO U2F token. Generally, users will enroll their FIDO device through a FIDO registration application during their system enrollment. One available option is the SurePassID Service Pass self-service portal.
- **FIDO2 Origin** – The Fido2 origin as defined by the W3C.

- **Save Button** – Start the configuration process. When completed, the screen indicates that the SurePassID Windows Logon MFA has now been configured. You can then select the **Quit** button.

The Windows Logon screen is dynamically built for each user based on these parameters.



Testing the Template

Before verifying the system, it is important to understand how SurePassID Windows Logon MFA maps users' Windows Logon credentials to SurePassID users.

IMPORTANT: The Windows Logon username must match the username defined to SurePassID.

For example, if the user Mark logs into Windows with Mark, mydomain\Mark or Mark@mydomain.com, there must be a SurePassID user named Mark. This SurePassID account holds the MFA tokens for the user. The username is

identified via the **User Name** attribute for the SurePassID user account as shown below.

The screenshot shows the 'Update User [Mark]' page in the SurePassID web application. The navigation bar at the top includes links for Home, Accounts, Users, Tokens, Audit Trail, and SSO. The user is logged in as Mark Poid, and the page title is 'Update User [Mark]'. The form contains two main sections: 'Login Credentials' and 'User Credentials'. The 'Login Credentials' section has a 'User Name' field with the value 'Mark' and a 'Password' field. The 'User Credentials' section is currently empty.

In addition to manually adding a user to SurePassID, there are many options to import users (and their MFA tokens) into SurePassID such as csv files, Active Directory repositories, etc. Check the Import Users section of the [System Administration Guide](#) for additional information about these options.

At this point you are ready to log in and test the system.

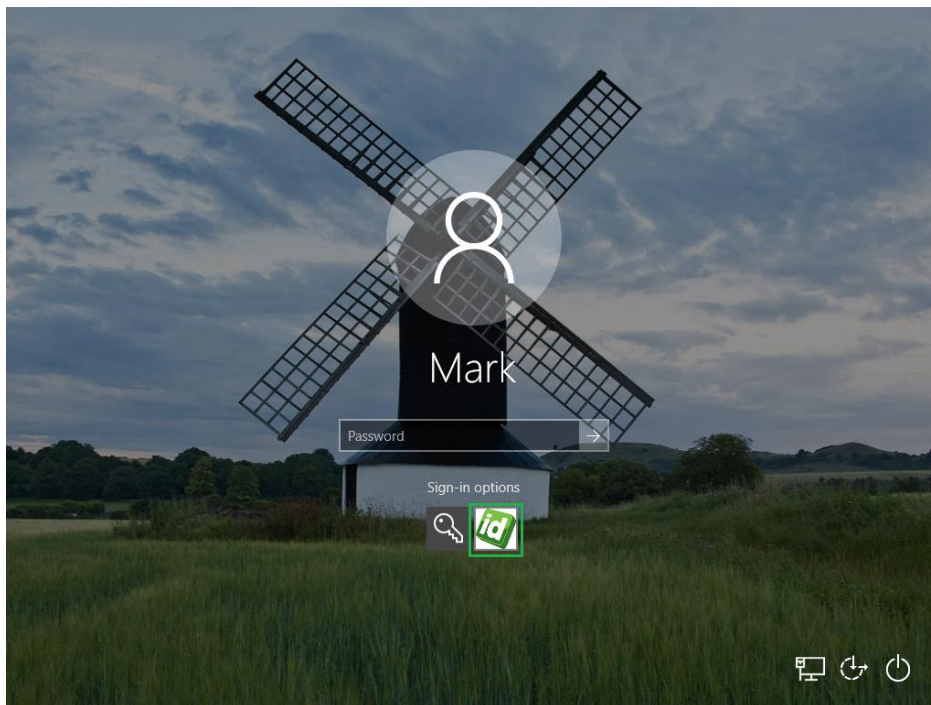
Testing Installation on Windows Server 2012, Windows Server 2016, Windows 10.1

After installing the product, sign out or lock the desktop and switch users, you should see the following images for Windows 8.1. The screen will look nearly identical for Windows Server 2012, Server 2016, and Windows 10.

When the Windows Logon Manager screen is displayed press the *Sign-in options* link. The screen will be updated to include all available sign-in options. The SurePassID login option is now available and highlighted below.



SurePassID WLM Login - Passcode (OTP) Option



SurePassID WLM Login – Without Passcode (OTP) Option

There are several ways your users can login to the system based on the way you have configured the system in the prior section.

Login via passcode (OTP)

To enable this option, you must check the Enter passcode option as shown below. If you do not have this option, the user will not be allowed to enter a passcode, and the user must use a push notification (more on that later) or Fido token to log into the system.

The screenshot shows the 'SurePassID Logon Configuration Manager' application window. It is divided into several sections:

- SurePassID Authentication Server:** Contains fields for 'Application Key Id' (E9VKrSxmES0UnOhxVksYxKqirGPv765778bhfd), 'Application Key' (a long string of x's), 'Server Name' (mfa), and 'Connection Timeout (secs)' (5). There is a 'Test Connection' button.
- Miscellaneous:** Contains 'Master Passcode Override' (Disabled), 'Default Domain' (mydomain.com), 'MFA Enforcement Policy' (Only users with SurePassID account), and 'Offline Security Policy' (Require Offline MFA). There is an 'Update' button.
- Logging:** Contains 'Logging Level' (Trace), 'Log Path' (C:\Users\xxxx\Documents\CredProvTrace), 'Filename Base' (SPWLM), and 'Filename Ext' (log).
- Permitted Oath Authentication Methods:** Includes checkboxes for 'Enter passcode' (checked), 'Call phone with passcode', 'Send passcode to email', and 'Send passcode to SMS'.
- Permitted Push Authentication Methods:** Includes checkboxes for 'Push Prompt to Mobile App' (checked), 'Push Prompt to Call Phone', and 'Push Prompt to SMS'. It also has a dropdown for 'Auto Push Method' (Prompt For Fido security key), and fields for 'Push App Name' and 'Push Reason'.
- Optional Protection:** Includes checkboxes for 'Secure Windows logon and lock' (unchecked), 'Allow users to change passwords' (checked), and 'Allow FIDO Security Keys' (checked).
- FIDO:** Contains fields for 'U2F AppId' (https://fidocert.surepassid.com/origins.js) and 'FIDO2 Origin' (https://mfa-sandbox.surepassid.com).
- Activity Log:** A text area showing 'Loaded settings from the Registry.'

At the bottom, there is a status bar with 'Build: 2023.1.8950.28365 [07-03-24]', 'Copyright © SurePassID Corp. 2013-2024. All rights reserved.', and 'Save' and 'Quit' buttons.

SurePassID Logon Configuration Manager App

To logon to windows enter your AD (Active Directory) password and two-factor passcode into the **Enter Passcode** field and press the press/click the arrow (->) key of hit enter.

You can find your two-factor passcode using one of these methods:

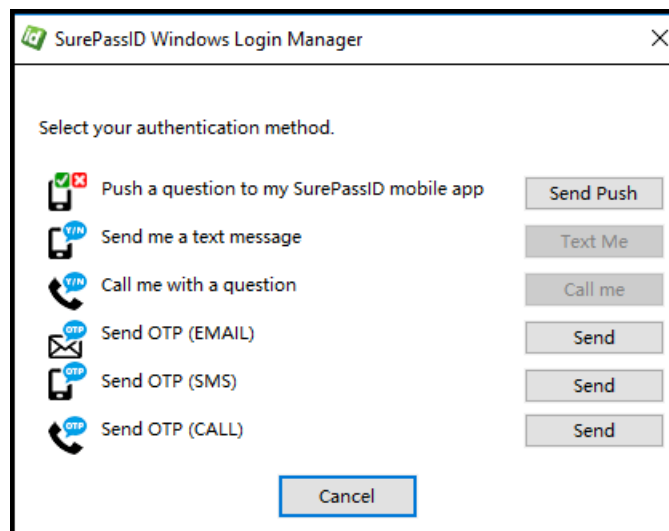
- If you have a two-factor hard token, enter the number displayed on the token into the two-factor passcode field.

- If you have The SurePassID Authenticator mobile app (or compatible mobile app such as Google Authenticator, enter the code displayed in the app.

Login via Push Notification

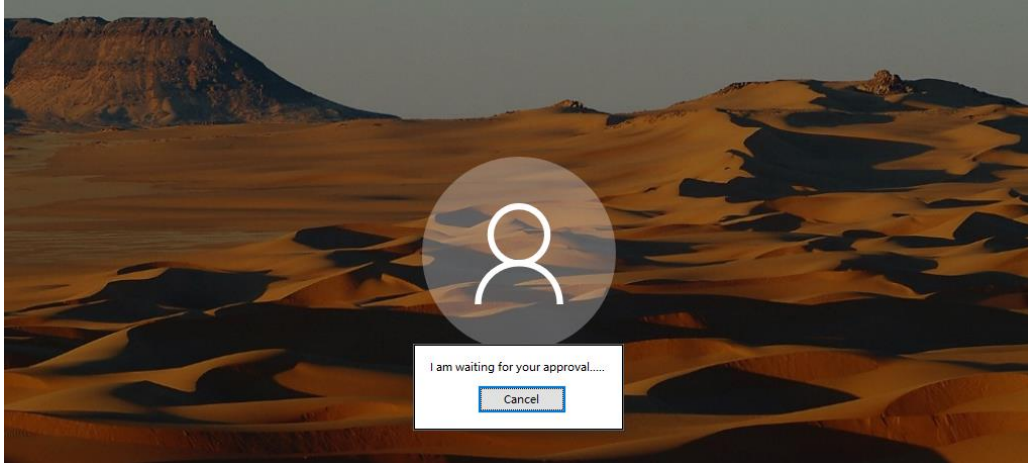
The system can be configured to use push authentication in two ways. Either method is set via the **Auth Push Method** dropdown list. The options in the drop-down list are:

Prompt the user to select - With this option for the users enter their AD password and presses/click the arrow (->). The user will be prompted to select the push method the push options you have enabled as show below:



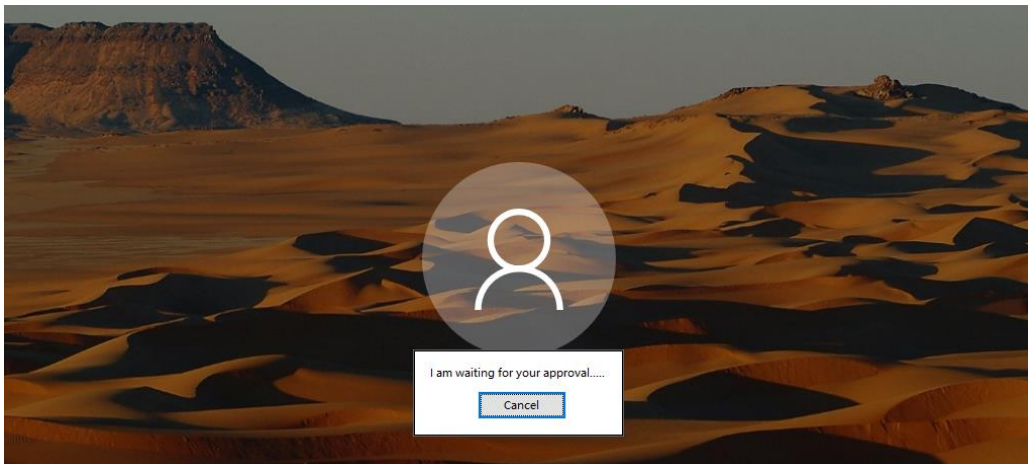
SurePassID WLM - Login Prompt

After the user selects desired push method (e.g. pressing the **Send Push** button for push authentication) the Windows logon screen waits for the user to approve the push message on their mobile phone (or the user can press **Cancel**) as shown below:



SurePassID WLM Login – Waiting on Push After Prompt

Send Push, Call Me Text, Me – With this option for the users enter their AD password and presses/click the arrow (->). The user will be sent the chosen push message, and the logon screen waits for the user to approve the push message on their mobile phone (or press **Cancel**) as shown below:



SurePassID WLM Login – Waiting on Push

Login via Fido (TapId, Treo, and YubiKey)

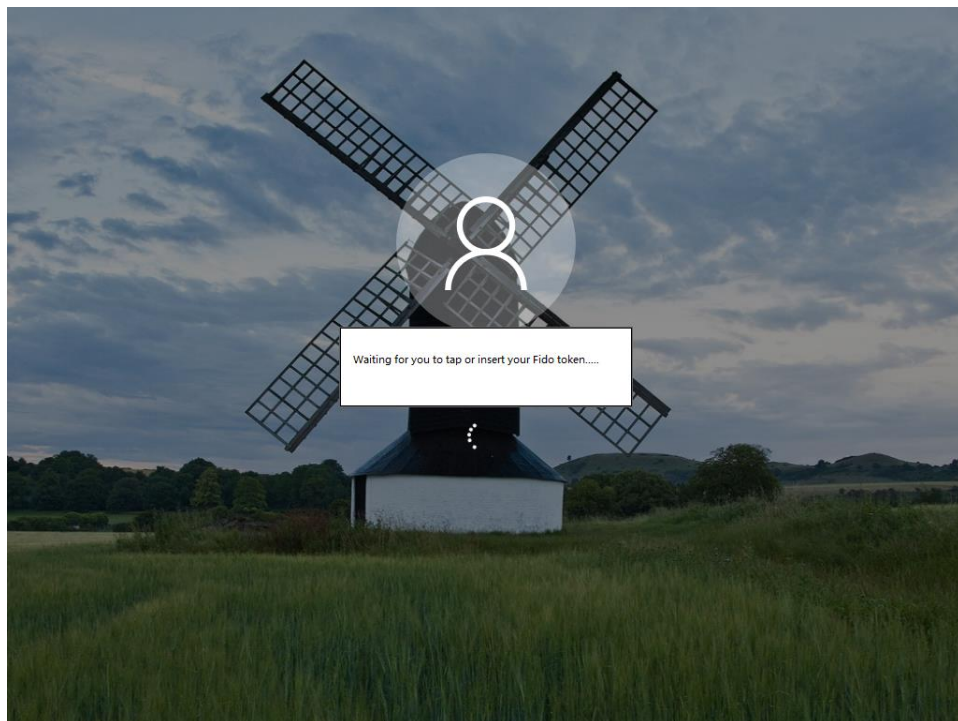
Users can use your Fido tokens such as SurePassID TapId, SurePassID Treo, or YubiKeys as their second factor of authentication. The system supports NFC Fido tokens.

To enable Fido key usage the users Fido key must be registered using a standard Fido2/U2F registration app (web or window32) provided by SurePassID and other vendors.

It is important that you set the **Fido AppId** and **Fido Transports** settings to match the type of Fido tokens your users will have.

When using NFC Fido tokens the user enters their AD password and presses/click the arrow (->). The user will be prompted to tap their NFC device to the NFC reader.

The use the user will see the following screen:



SurePassID WLM Login – Waiting on Fido

If authentication fails, they can just presses/click the arrow (->) and try again with the same token or insert the correct key.

Preparing Deployment Packages

To integrate SurePassID Windows Logon with any Windows workstations, servers, or laptops, use deployment packages. Each machine requiring MFA

must have SurePassID Windows Logon installed, as per the specifications below.

The initial deployment package to create is a staged deployment. This staged deployment introduces SurePassID MFA as an additional login option, allowing users to get used to it alongside their current login methods. It gives users time to learn and become comfortable with MFA before it becomes mandatory.

Once users are comfortable with MFA, you can create a production lockdown deployment package that enforces SurePassID MFA and other approved Windows MFA logon methods such as smart cards and biometric logins.

After you've gotten used to the system, you can combine the staged and production lockdown packages into one deployment to enforce MFA all at once.

A staged deployment package configuration is comprised of three components:

- SurePassID Windows Logon component (SurePassIdCredentialProviderV2.dll) – The component provides all the support for the SurePassID Windows Logon tile. This file must be placed in the windows\system32 folder.
- SurePassID Windows Logon Activation (RegisterSurePassIDWithWindows.reg) – This set of registry entries turns on the SurePassID Windows Logon.
- SurePassID Windows Logon Configuration ([HKEY_LOCAL_MACHINE\SOFTWARE\SurePassId\CredProv]) – This set of registry entries are managed on the template machine by the SurePassID Logon Configuration Manager app. When you are ready to create a deployment package, you will export these settings from the registry into your deployment package.

NOTE: You can have multiple staged configurations for different users. For instance, some groups of users can be forced to use key fobs, but other users can use mobile OTP apps. Each staged deployment would have a different SurePassID Windows Logon Configuration set of registry entries.

Once all users have been trained and a deadline is communicated to your users when two-factor authentication will be mandatory, the following registry entries will be activated to force MFA for Windows Logon.

- SurePassID Windows Logon Lockdown (EnforceSurePassIDMFA.reg) – This set of registry entries is used to turn off all methods of login except for SurePassID MFA and other login methods you have added to the inclusion list.

A complete production deployment package contains both the stage and production deployment packages.

You can create other deployment packages such as master passcode deployment packages for password rotation. This deployed package updates the master passcode on existing Windows systems.

Deploying Windows Logon MFA

The following list is in the least to most desirable option to deliver deployment packages:

- **Manual** - Install the deployment package on each user's computer individually. The deployment package could be placed on a network share for easy installation.
- **Active Directory Group Policy Objects** – See out Knowledgebase Article at the following [link](#).
- **Microsoft SCCM** – Create an SCCM package that includes the deployment package you created earlier.
- **Other package managers** – You can use any package manager to install the SurePassID deployment package provided that the package manager can copy a file to the windows\system32 folder and run .reg files.

Note: It is important that you do this in a controlled manner as it could affect your user's ability to log onto their Windows systems. If you have any questions or concerns, please contact SurePassID technical support at helpdesk@surepassid.com where assistance and guidance will be provided.

Master Passcodes

Master Passcodes can be used by administrators as a substitute (bypass) for the MFA One Time Passcode. This is an optional feature and if you choose to use it, you should know the following:

- The Master Passcode is a password and should be treated as any system password (do not leave it in plain text on a server, only provide to a small number of administrators, etc.) and it should be rotated periodically as you would other passwords.
- The Master Passcode is stored in the machine template (registry) using the SurePassID Logon Configuration Manager (LCM) app.
- To change (rotate) the new Master Passcode change the Master Passcode using the LCM app and then create a master passcode deployment package and deliver to the appropriate Windows machines.
- The Master Passcode is stored as a SHA256 hash. If you forget the Master Passcode there is no way to recover it. Your only option is to create a new Master Passcode using the SurePassID Logon Configuration Manager app, create a new deployment package and deliver to the appropriate Windows machines.

Offline Operations

SurePassID Windows Logon MFA offline operations occur when the user lacks network connectivity, like on a plane or without public WIFI. This supports offline authentication using OATH Event based (HOTP tokens). To use it offline, the user's account must be enabled for such operations and have an OATH event-based HOTP device assigned (e.g., mobile app, key fob, display card). The device used for offline access can differ from the regular login device. For instance, a user might normally use an OATH time-based device but switch to an event-based device when offline. The system securely stores a local cache for offline operations and will authenticate the passcode using this cache if no connection is detected.

FIDO Considerations

How do I login using a FIDO key?

To log in with a FIDO key, first input your username and password, then click the login submit button (typically depicted as an arrow). Once your credentials are verified and your FIDO device is connected, the device will flash or blink, signaling you to press its button. If the device is associated with your account, you will successfully gain access to the system.

What is the process for using a FIDO key?

FIDO authentication was designed to offer secure access to a specific web relying party origin, like <https://sandbox.surepassid.com/login>. In FIDO terms, this origin is known as the AppId in U2F and Fido2 Origin in WebAuthn. Using a FIDO key involves two steps for the user:

Register their FIDO device with the relying party origin after verifying their identity with another MFA method such as an SMS code or Mobile OTP.

Subsequently, log in to that relying party origin using the same registered FIDO key for authentication.

The SurePassID Windows Logon MFA facilitates the second part of this process, enabling users to log into Windows with their key. This brings up the following question:

How can the user register their FIDO key and what AppId/Fido2 Origin should I use since this is not a web-based login?

The answers to both questions are connected. SurePassID offers various ways to register a FIDO device using APIs, allowing you to create methods like native Windows apps or intranet/extranet websites. It's best to set up a location like <https://fidoreg.yourcompany.com/register> for users to register their devices or use the SurePassID ServicePass self-service portal where users can manage accounts, tokens, and password recovery.

To set up SurePassID Windows Logon MFA, assign the FIDO AppId/Origin to the URL where users register their FIDO token, such as <https://fidoreg.yourcompany.com/register>. This URL must match the origin used during device registration.