

## 23.1 Authentication Server In-place Upgrade Procedure

**System: On-premises systems only**

### Who is this document for?

This document is for anyone that has SurePassID Authentication Server installed prior to Version 23.1.

Recent versions of the Authentication Server display the version on the home form in the Administration portal as shown below:

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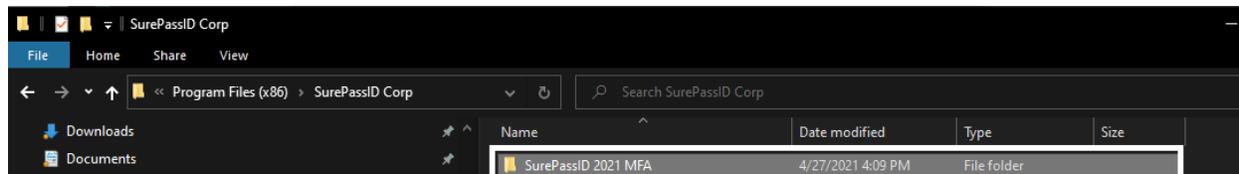
This installation has version 20.2 installed.

Alternatively, you can see the versions of the Authentication Server displayed on the about form in the Administration portal as shown below:

About SurePassId
<b>Product Version</b>
SurePassId Security Solutions
<b>Build: 18.3.6879.15768</b>

This installation has version 18.3 installed.

If there is no version displayed on the home page or about page (very old versions), you can determine the version of the Authentication Server that you are currently running by looking at the C:\Program Files (x86)\SurePassID Corp folder on your server(s) that have the Authentication Server installed. For example:



This server has SurePassID 2021 installed. If your system SurePassID 2021 or older, then this upgrade is applicable to you.

This document is designed to help you upgrade your existing Authentication Server installation. There are hundreds of new features and capabilities such as SurePassID mobile app, push authentication, IVR, Role Based Access Controls, Managed Service Accounts, etc. that were not available in your prior version. Now is a good time to review that and see if you want to make use of them. We are more than happy to discuss your requirements and make recommendations on what capabilities exist that can address them.

## Things you will need before you begin

Before you can begin upgrading SurePassID:

- Identify all the Authentication Server apps that currently utilize the SurePassID Authentication Server services. - Typically, this could be the SurePassID RADIUS Server, SIEM/Event Log Sync, Windows Login Manager (WLM), ADFS, custom apps (SurePassID JSON api), etc. These apps will need to be tested after the new Authentication Server install and after Authentication Server deployment to production. Note: A new license file is not needed because the host name does not change in an in-place upgrade.

Note: A new license file is not needed as the host name will not change during an in-place upgrade.

## In-place Upgrade

The in-place upgrade allows you to install the new Authentication Server and components on your existing machine. This is not meant for customers who needing to test all production systems before going live.

*Step 1 – Vault your existing application (API) keys from SurePassID portal*

Login to the SurePassID Authentication Server portal and select **Account**. Under “Account Credentials” you will find your current API key pair that should be vaulted/trapped/copied should you need it in the future. Below is what should be vaulted:

- Server Login Name (Account ID)
- Server Login Password (Account Token)

Multi-Tenant Users: The above will need to be done for each tenant if there is more than one

The new version of the Authentication Server will obfuscate the **Server Login Password (Account Token)**.

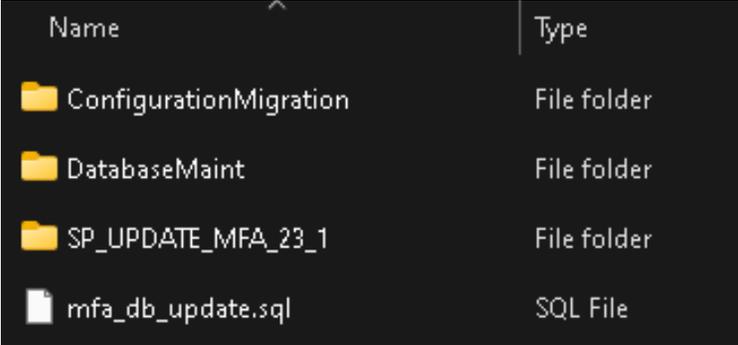
*Step 2 – Download the appropriate files*

Download and unzip the product upgrade software onto the existing application server:

Authentication Server Upgrade:

[https://downloads.surepassid.com/patches/SP\\_UPGRADE\\_AS\\_2023\\_1.zip](https://downloads.surepassid.com/patches/SP_UPGRADE_AS_2023_1.zip)

The unzipped folder has the dist folder with the following directory structure:



Name	Type
ConfigurationMigration	File folder
DatabaseMaint	File folder
SP_UPDATE_MFA_23_1	File folder
mfa_db_update.sql	SQL File

*Step 3 – Stop the IIS site for the MFA server in the IIS Management Tool*

*Step 4 – Backup existing SurePassID files \*This step is extremely important\**

This includes backing up the existing SurePassID product directory **E.g. C:\Program Files (x86)\SurePassID Corp\SurePassID 2022 MFA**

You will also need to back up the existing SurePassID database

*Step 5 – Upgrade to the new version of the authentication server*

1. Run the mfa\_db\_update.sql script on the SurePassID database. (See directory structure above in image)
2. Copy all the contents of SP\_UPDATE\_MFA\_23\_1 folder into the existing SurePassID MFA Server folder, replacing the existing files.

3. Replace the System.Web Section in the web.config file (make a backup copy first!) with the contents from the Dist folder's "webconfig mod 1.txt" file and add the contents of the "weconfig mod 2.txt" file to the bottom of the web config above the last line that says "</configuration>". It should be above the last line like this:

```
</dependentAssembly>  
</assemblyBinding>  
</runtime>  
</configuration>
```

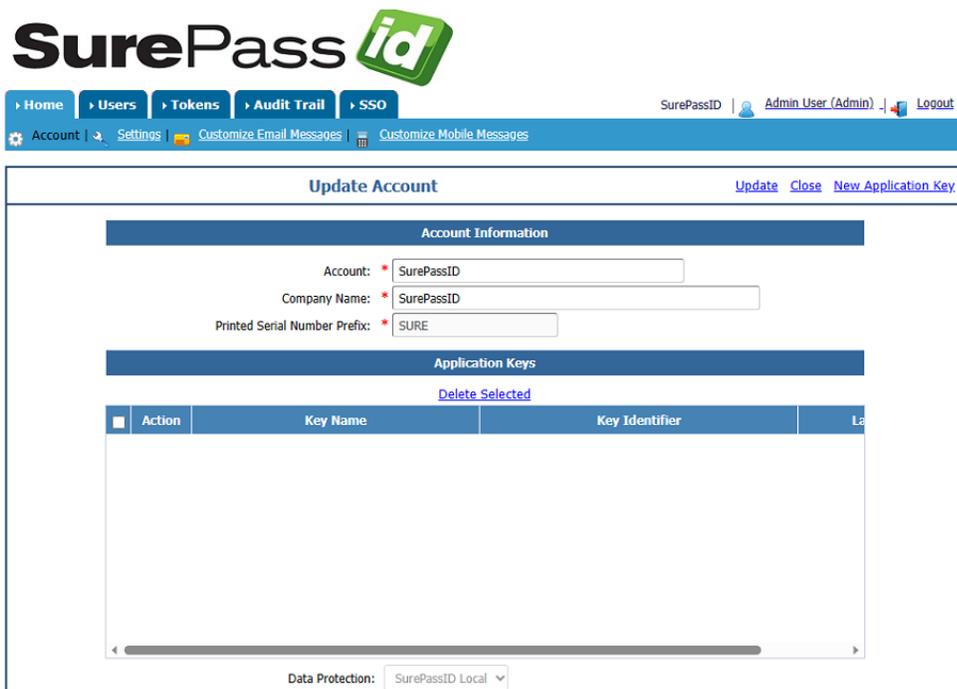
Step 6 – Restart the IIS site

Step 7 – Log into the MFA portal and view new API key configuration

Once signed in, select the **Account** tab to view/add application keys. Your existing API key from the previous version can be viewed here.

Please note the below verbiage changes in reference to API keys in the new version of the authentication server:

- Server Login Name (Account ID) → **Key Identifier**
- Server Login Password (Account Token) → **Key**



Best practice is to create new API key pairs for your various applications/functions that work with the authentication server. For more information on how to do this you can view this [video](#).

- Ex. WLM would have one API key, RADIUS would have a different API key, ADFS would have one, etc.