



# Click Studios

## Passwordstate

### Upgrade Instructions to V6.0 from V5.xx

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# 1 Upgrade Overview

This document will detail instructions for upgrading to Passwordstate to version 6.0, from any version prior in the 5.xx range.

For upgrading from versions prior to 5.0, please visit the [Support](#) section of our web site for instructions, or contact Click Studios for support.

**Note:** Once you have upgraded to Version 6 of Passwordstate, all future upgrades will be a lot simpler due to the 'In-place Upgrades' feature available in Version 6.



## IMPORTANT

Passwordstate 6 uses Version 4.5 of the .NET Framework, so you must have this installed on your web server before you proceed any further with the upgrade.

As Version 4.5 of the .NET Framework is being used, there are additional Internet Information Services (IIS) roles required for Windows Server 2012 and Windows 8. If the following IIS roles are not installed, the Passwordstate Windows Installer will install them for you.

### Common HTTP Features

- Static Content
- Default Document
- HTTP Errors

### Application Development

- ASP.NET (or ASP.NET 4.5 on Server 2012 and Windows 8)
- .NET Extensibility (or .NET Extensibility 4.5 on Server 2012 and Windows 8)
- ISAPI Extensions
- ISAPI Filters

### Security

- Windows Authentication
- Request Filtering

### Performance

- Static Content Compression
- Dynamic Content Compression

## 2 Preparing for the Upgrade

Please ensure the following steps are taken, prior to upgrading to Version 6 of Passwordstate

### Step 1 – Database Changes

For the version 6 upgrade, the upgrade provides a SQL script for you to run which will rename the Passwordstate5 database to Passwordstate, and the passwordstate5\_user SQL Account to Passwordstate\_user. Please ensure you take a full backup of your database prior to performing the new install.

### Step 2 – Capture Web.config File Settings

There are certain settings in the web.config file (located in the root of the Passwordstate folder) which are required for the upgrade. Please open the web.config file, and take a copy of the following lines and save them to a text file somewhere:

```
<connectionStrings>
  <add name="PasswordstateConnectionString" connectionString="Data
    Source=localhost;Initial Catalog=passwordstate5;Persist Security Info=True;User
    ID=passwordstate5_user;Password=Hyhf%67g55" providerName="System.Data.SqlClient" />
</connectionStrings>
<appSettings>
  <add key="SetupStage" value="Setup Complete" />
  <add key="PassiveNode" value="False" />
  <add key="GUID1" value="0a9fb8ea-b14e-4719-82f3-3c8e6e0f28e9" />
</appSettings>
```

**Note:** The GUID1 string may not exist if you are using an older build of Passwordstate.

### 3 High Availability Module Considerations

If you are also using the High Availability Module for Passwordstate, you will need to delete your SQL Server replication, and then re-establish the replication after upgrading.

The intention of the following instructions is to allow you to continue using the High Availability instance of Passwordstate while you upgrade the Primary Instance.

1. Delete the SQL Server Subscriber and Publisher you established as part of the document 'High\_Availability\_Installation\_Instructions.pdf'
2. Continue with Steps 4, 5 & 6 of this document to upgrade the Primary Instance of Passwordstate. Once the Primary Instance has successfully been upgrade, continue to the next step below (3.)
3. Uninstall the High Availability instance of Passwordstate from the Control Panel, and ensure the folder 'c:\inetpub\passwordstate5' was successfully removed
4. On your secondary SQL Server (the subscriber), delete the 'passwordstate5' database and 'passwordstate5\_user' SQL Account
5. Follow the instructions in 'High\_Availability\_Installation\_Instructions.pdf' for reinstalling the High Availability instance of Passwordstate, and re-establishing SQL Server data replication.

## 4 Upgrade Instructions

To upgrade to the latest version of Passwordstate please follow these instructions:

1. Download the latest copy of Passwordstate from here – <http://www.clickstudios.com.au/downloads/passwordstate.zip>
2. Uninstall Passwordstate from Control Panel (please note your database will not be touched during the uninstall)
3. Once uninstalled, reinstall Passwordstate with the latest version you just downloaded
4. Open and execute the script (this script will rename the database as well as the SQL Account used to connect to the database):  
c:\inetpub\passwordstate\upgrades\scripts\v6\_database\_naming\_changes.sql
5. Replace the lines in the web.config taken above in the section 'Step 2 – Capture Web.config File Settings', and rename the following – save the file when done:
  - a. `Initial Catalog=passwordstate5` to `Initial Catalog=Passwordstate`
  - b. `User ID=passwordstate5_user` to `User ID=passwordstate_user`
6. If you have modified the standard 'passwordstate' cname DNS entry for the web site, or configured the web site to use a SSL certificate, you will need to redo these steps



Note: When you first access the Passwordstate web site in your browser, you must type **HTTPS** into the address bar, otherwise you will receive a '**Page Not Found**' error. The web site is not configured to use Port 80, as HTTP alone does not encrypt traffic between your browser and the web site.

7. When you first browse to the Passwordstate web site you will see the following screen. As per the instructions on the screen, click on the 'Begin Upgrade' button

### Step 2 - Upgrade the Database

To upgrade to the latest version of Passwordstate, please click on the button below.

Current Build: **Version 5.6 (Build 5650)**    New Build: **Version 6.0 (Build 6000)**

step 2 - upgrade the database

Progress of the upgrade will be logged below, as well as in the file /upgrades/upgradelog.txt.

**Upgrade Progress**

Status:

Start Upgrade

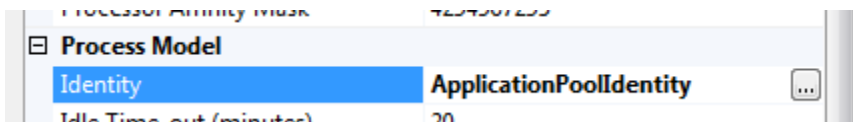
8. Restart the Passwordstate Windows Service
9. Your browser will automatically redirect you after the upgrade is complete. If you experience any issues with the upgrade, please refer to the log `c:\inetpub\passwordstate\upgrades\UpgradeLog.txt`

## 5 Active Directory & IIS Application Pool

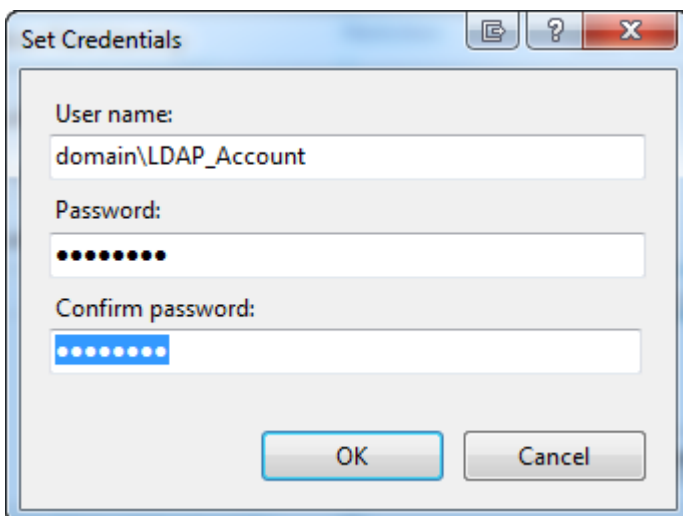
Passwordstate can query your Active Directory for the purpose of adding user accounts, and to synchronize memberships of domain security groups. By default, the account used is the 'NETWORK SERVICE' account which is part of Internet Information Services (IIS).

If you experience any errors when try to add users via Active Directory or query Security Groups, then it's likely your Active Directory setup only allows certain accounts to query it. If this is the case, then you will need to modify the IIS configuration to specify a different account. To do this, you can follow these instructions.

1. Open Internet Information Services (IIS) Manager on your web server
2. Click on 'Application Pools' in the 'Connections' panel
3. Right click on the application pool 'Passwordstate', and select 'Advanced Settings'
4. Look for the setting 'Identity' click on **ApplicationPoolIdentity**, and then on the ellipses button as per this screenshot:



5. Select 'Custom account' and then specify the appropriate account details such as the example provided in the following screenshot:

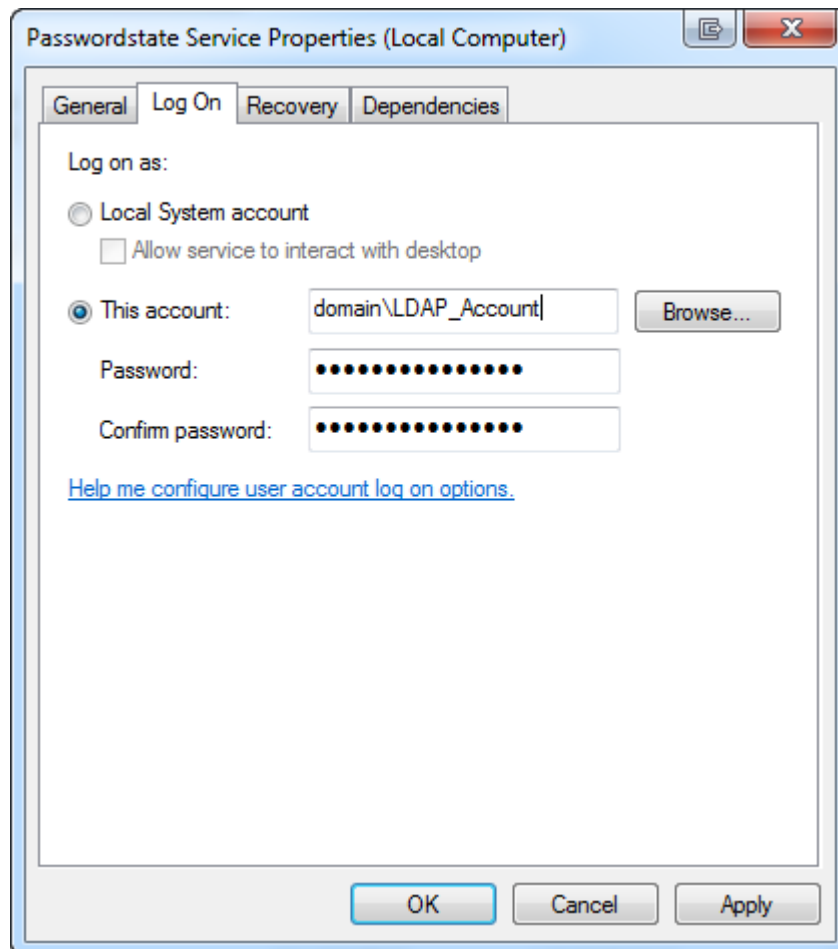


6. Click on all the 'OK' buttons to close the windows, and then restart the Passwordstate site in IIS



## 6 Active Directory & Passwordstate Windows Service

In addition to modifying the Application Pool, you may need to also modify the 'Log On' rights for the Passwordstate Windows Service, as this service also queries Active Directory to synchronize accounts and Security Groups.



## 7 SSL Certificate Considerations

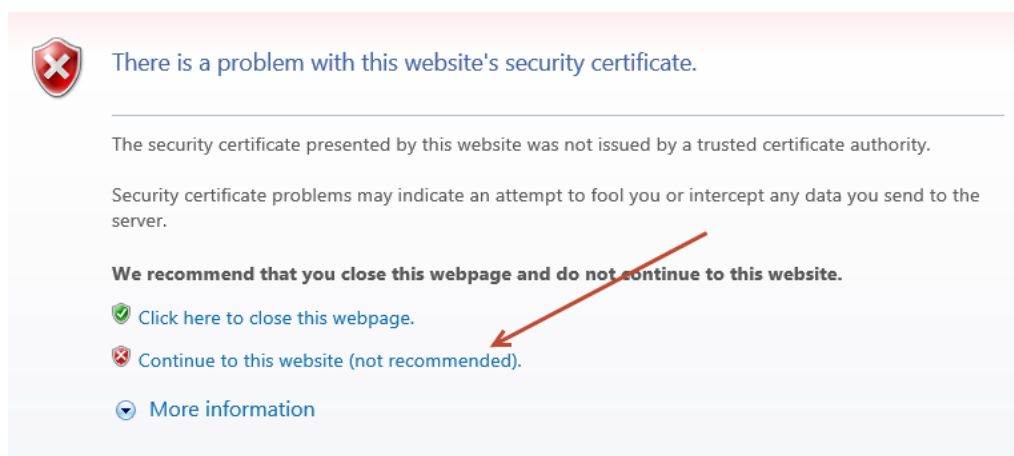
The installer for Version 6 of Passwordstate installs a self-signed SSL certificate on your web server, and binds it to the Passwordstate web site.

If you have your own SSL certificate installed on the web server you'd prefer to use, you can modify the bindings for the site in IIS, and select the appropriate certificate.

If you wish to continue using the self-signed SSL certificate, then you may want to instruct your users to "Install" the certificate on their computer, so the various Internet browsers don't complain about the certificate not being issued by a trusted authority.

To install the certificate, you can follow these steps:

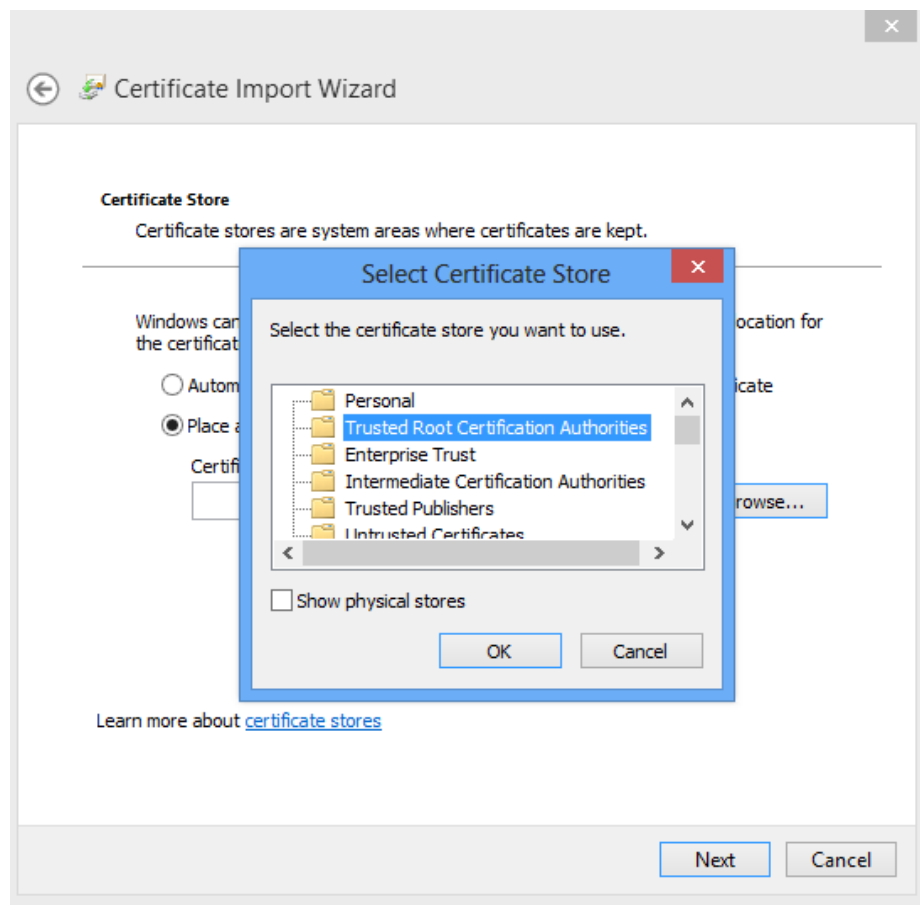
1. Using Internet Explorer, browser to the Passwordstate web site
2. When you see the following screen, click on the 'Continue to this website' link



3. Now click on the 'Certificate error' link at the top of your screen



4. The click on 'View Certificates', then on the 'Install Certificate...' button
5. Select the 'Local Machine' Store Location, then click on the 'Next' button
6. Select 'Place all certificates in the following store' option, click on the 'Browse' button, and select 'Trusted Root Certification Authorities' as per the next screenshot



7. Now click on the 'OK' button, then the 'Next' and 'Finish' buttons
8. After the certificate is installed, you can close and re-open your browser to the Passwordstate web site, and it should no longer complain about an untrusted certificate