Password State Enterprise Password Management

Moving Passwordstate Database to a New SQL Server

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1 Overview

Please use the following instructions as a guide for moving an existing Passwordstate database to a new database server.

These instructions will assume you have some knowledge for using the Microsoft's SQL Server Management Studio tool, and have appropriate permissions to restore databases.

2 Backup Process

Passwordstate has a built-in backup feature that can backup your Passwordstate database, but if you have not configured backups within Passwordstate, you can instead perform this process using SQL Management Studio Tools (SMSS).

- 1. Open **SMSS** and connect to your current database server, using an account that has permissions to perform backups.
- 2. Expand out the Databases and then right click "Passwordstate". Select Tasks -> Back Up...



3. You can either leave the default path to back the database up to, or choose a custom folder of your choice:

| Back Up Database - passwor | rdstate | | | | |
|--|---|--|-------------------------|-------------------------------|-----------|
| Select a page | 🖵 Script 🔻 😮 Help | | | | |
| General Media Options Backup Options | Source Database: Recovery model: Backup type: Copy-only backup Backup component: | passwordstate SIMPLE Ful | | > | |
| | Back up to: | Disk | | ~ | |
| | | En Anna | | | |
| Connection Server: webserver Connection: SANDO\sand vi View connection properties | Select Backup Destinati Select the file or backup dev backup devices for frequent Destinations on disk | on ice for the backup destination. You can create y used files. QL15.MSSQLSERVER\MSSQL\Backup\] | × 2 | Add Remove Contents | |
| Progress | O Backup device: | | Locate Database Files - | WERSERVER | — П X |
| Ready | | OK Cancel | Select the file: | Settings 16) nformation | 3 |
| | | | Selected path: | C:\Data | |
| | | | Files of type: | Backup Files(*.bak ** | tm) ~ |
| | | | File name: | Passwordstate_Back | up.bak |
| | | 4 | | | OK Cancel |

- 4. Ensure you append the File name with **.bak**.
- 5. Transfer this file to your new SQL Server into a folder of your choice

****Note**** this file is being backed up to your database server, not the computer from where you are launching SMSS from.

3 Restore Process

Now we will restore the database to a new server where you have already installed Microsoft SQL Server.

- 1. Log into the new database server using an account that has permissions to restore databases.
- 2. Right click Databases, and click Restore Database...



3. Select Device, click the three dots and then browse to the .bak file you wish to restore:

| Select a page Script - PHep | No backupset selected to be rest | ored. | | |
|--|--|---|--|-------------|
| Connection Henove vit webserver [SANDOVsand] Contents Wew connection properties Contents Progress OK Cancel Help | Select a page # General # Fices # Options | Script • • • Help Source Dubulase: Database: Destination Database: Restore ban Backup sets to restore: Restore Name Component Type Ser | er Select backup devices Specify the backup media and its location for you're tore operatio Backup media type: File Backup media: C:\Data\Passwordstate_Backup bak | - C X |
| Wew connection properties Progress OK Cancel Help | Connection | | | Tiemove |
| Progress C Ready OK Cancel Help | ↓ webserver [SANDO\Isand] Vew connection properties | | | Contents |
| C Ready OK Cancel Help | Progress | | | |
| | C) Ready | C | ОК | Cancel Help |

 You should now see your Passwordstate database under the Databases folder. Expand out your Passwordstate database, and then expand out your Security -> Users folder. Right Click and Delete the passwordstate_user:



5. Now right click Security. Choose New -> Login



6. Set the username as **passwordstate_user**, tick the **SQL Server Authentication** option, set a password of your choice and then uncheck the option so the user does not need to change their password upon next login:

| Login - New | | - | | × | | |
|--|---|---|-------|---|--|--|
| Select a page | 🖵 Script 🔻 😮 Help | | | | | |
| Server Roles User Mapping Securables Status | Login name: passwordstate_user | | Searc | 1 | | |
| | Password: Confirm password: | |] | | | |
| | Old password: | | | | | |
| | Enforce password expiration User must change password at next login Mapped to certificate | | | | | |
| Connection | O Mapped to asymmetric key | | | | | |
| Server: webserver | Map to Credential | ~ | Add | | | |

7. Under the **User Mapping** menu, tick the **Passwordstate** database, and check the **db_owner** option. Click **OK**.

| Login - New | | | | _ | | \times |
|------------------------------------|-----------------|---------------------------------|--------------------|----------------|----|----------|
| Select a page | Script | * O | | | | |
| Seneral Server Palas | | | | | | |
| Server Roles User Mapping | Users ma | apped to this login: | | | | |
| ✗ Securables | Мар | Database | User | Default Schema | | |
| 🖋 Status | | master | | | | |
| | | model | | | | |
| | | sdb | | | | _ |
| | | passwordstate | passwordstate_user | | | |
| | | tempdb | | | | |
| Connection Server: webserver | Gues | t account enabled for: p | asswordstate | | | |
| Connection: | db_a | ccessadmin | | | | |
| SANDONsand | db_b | ackupoperator | | | | |
| View connection properties | | latareader latawriter | | | | |
| | dbd | Idladmin | | | | |
| | | en satareader Ienvdatawriter | | | | |
| Progress | ✓ db_o | wner | | | | |
| Ready | db_s ✓ publi | ecurityadmin c | | | | |
| | 2 | | | _ | | |
| | | | | ОК | Ca | incel |

4 Final Changes to your Passwordstate website

Now the Database is migrated to the new SQL server, we need to configure the Passwordstate website to connect it to this new location for the database. We do this by editing the **web.config** file on the Passwordstate web server.

The **web.config** file is located in the **c:\inetpub\passwordstate** folder on your web server. This is the default location, but it's possible to install Passwordstate in any location of your choice. This forum post describes how to find the location of your Passwordstate install folder: https://forums.clickstudios.com.au/topic/1668-how-to-find-where-passwordstate-is-installed/

When opening the **web.config** file to modify it, you should see a section called **connectionStrings**. Inside this tag is 4 pieces of information:

- 1. The database server name (which includes the instance name if it is **sqlexpress** or a custom instance)
- 2. The database name (by default it's "passwordstate" unless you change it
- 3. The SQL user which has **db_owner** rights to the Passwordstate database
- 4. And the password for that SQL user.

| a web.config - Notepad | - 1 | o × |
|---|-----|-----|
| File Edit Format View Help | | |
| xml version="1.0" encoding="UTF-8"? | | |
| <configuration> (1) (2) (3) (4)</configuration> | | |
| <configsections></configsections> | | |
| <sectiongroup name="telerik.web.ui"></sectiongroup> | | |
| <section allowdefinition="TachineToApplication" name="radScheduler" permission="false" requir="" type="Telerik.Web.UI.RadSchedulerConfigurationSection"></section> | | |
| <section allowdefinition="MachineToApplication" connectionstring="Data Source=webserver;Initial Catalog=passwordstate;User ID=passwordstate_user;Password=TestPassword01" name="radCompression" passwordstateconnectionstring"="" providername="System)</pre></td><td>.Data.SqlClie</td><td>ent" requirepermission="false /></td><td></td><td></td></tr><tr><td></sectionGroup></td><td></td><td></td></tr><tr><td></configSections></td><td></td><td></td></tr><tr><td><connectionStrings></td><td></td><td></td></tr><tr><td><pre><add name=" type="Telerik.Web.UI.RadCompressionConfigurationSection"></section> | | |
| | | |
| <appsettings></appsettings> | | |
| <add key="SetupStage" value="Setup Complete"></add> | | |
| <pre><add key="Secret1" value="a41-1-46cc19346e1dd757ccfed29238a915c49aefc79e9b3d501f22da94bef609f4295bdd09bb31ffcaef77f36df05f3079e238bc4b369c3315d941a7b9d1a0713806"></add></pre> | | |
| <pre><add key="Secret2" value="e71-1-8d43aa24090fbf5f8f8f9f156c4171a735b7082b6f0b8921580d437e2f7d3075aab7bba04d565153af3cb7f835afa2eb7dd28849a8ab4abecdf036dd7301dc5df000"></add></pre> | | |
| | | |
| <system.web></system.web> | | |
| terreter France and NO-N dr for JaBe data at Name and Name and Name | | |

You should update the information in your web.config file to be relevant to your new database server, and click **Save**. You should now be able to log into your Passwordstate website successfully, and it will be connected to your new database server.

****note**** if you cannot see the **connectionStrings** section in your **web.config** file, this most likely means it is encrypted for extra security. In this scenario you will need to decrypt it in order to see it in clear text, and make the necessary changes.

More information on decrypting/encrypting the **web.config** file can be found here: <u>https://forums.clickstudios.com.au/topic/2699-encrypting-and-decrypting-the-webconfig-file/</u>