

TechNote

Introduction

This document describes the procedure to configure ViewPoint 4.0 and higher to use Microsoft SQL Server 2005 SP1. The procedure includes migrating the existing MSDE databases to SQL Server 2005, which allows unit and report data to be retained.

Disclaimer - SonicWALL Viewpoint 4.x uses a Microsoft MSDE database which is included with the purchase. A Microsoft SQL Server license must be purchased separately for use with Viewpoint. SonicWALL will provide Technical Support for configurations using the included MSDE database or SQL Server 2005. SonicWALL will not provide Technical Support for Viewpoint installations configured to use SQL Express 2005. It is recommended that you have the technical expertise to install, maintain, backup and recover the MS SQL Server 2005 database before proceeding with this configuration.

Procedure

Perform the following tasks to configure ViewPoint to use SQL Server 2005:

1. Make a backup of all files prior to starting this process, including the databases, C:\sgmsConfig.xml, [ViewPoint]\Tomcat\webapps\sgms\WEB-INF\web.xml, and [ViewPoint]\SQL\bldMSDB.bat.
2. Stop all SNWL ViewPoint services.
3. Stop and disable the MSDE services SQLAgent\$SNWL and MSSQL\$SNWL.
4. Choose a username and password for the SQL Server account. Use the following commands at a command prompt in the [ViewPoint]\bin folder to encrypt the username and password:

```
C:\ViewPoint4\bin> ..\jre\bin\java -cp . TEAV username  
C:\ViewPoint4\bin> ..\jre\bin\java -cp . TEAV password
```

5. Open C:\sgmsConfig.xml in Notepad or Wordpad. Replace the values for the following parameters with your encrypted username and password (from step 4):

```
<Parameter name="dbuser" value="EE80851182B4B962FC3E0EDF1F00275A"/>  
<Parameter name="dbpassword" value="EE80851182B4B962FC3E0EDF1F00275A"/>
```

Next, edit the values for the database connection parameters. If this is a new install of ViewPoint 4.1, the parameters will look like this:

```
<Parameter name="dbhost" value="127.0.0.1\SNWL"/>  
<Parameter name="dburl" value="jdbc:sqlserver://localhost;instanceName=SNWL"/>
```

Change the dbhost and dburl to contain the IP address and port of the SQL Server, so the parameters will look similar to this:

```
<Parameter name="dbhost" value="10.50.1.15"/>  
<Parameter name="dburl" value="jdbc:sqlserver://10.50.1.15:1433"/>
```

If this is a new install of ViewPoint 4.0, or an upgraded install of ViewPoint 4.1, the parameters will look like this:

```
<Parameter name="dbhost" value="127.0.0.1\SNWL"/>  
<Parameter name="dburl" value="jdbc:inetdae7a:127.0.0.1\SNWL"/>
```

Change the dbhost and dburl to contain the IP address and port of the SQL Server, so the parameters will look similar to this:

```
<Parameter name="dbhost" value="10.50.1.15"/>  
<Parameter name="dburl" value="jdbc:inetdae7a:10.50.1.15:1433"/>
```



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- Open [ViewPoint]\Tomcat\webapps\sgms\WEB-INF\web.xml in Notepad or Wordpad and find the following parameters:

```
<param-name>dbuser</param-name>
<param-value>BAB7E1B9875CF081</param-value>

<param-name>dbpassword</param-name>
<param-value>EE80851182B4B962FC3E0EDF1F00275A</param-value>
```

Replace the param-value for each with the encrypted username and password created in step 4.

Next, find the dbhost and dburl parameters. If this is a new install of ViewPoint 4.1, the parameters will look like this:

```
<param-name>dbhost</param-name>
<param-value>127.0.0.1\SNWL</param-value>

<param-name>dburl</param-name>
<param-value>jdbc:sqlserver://localhost;instanceName=SNWL</param-value>
```

Change the dbhost and dburl to contain the IP address and port of the SQL Server, so the parameters will look similar to this:

```
<param-name>dbhost</param-name>
<param-value>10.50.1.15</param-value>

<param-name>dburl</param-name>
<param-value>jdbc:sqlserver://10.50.1.15:1433</param-value>
```

If this is a new install of ViewPoint 4.0, or an upgraded install of ViewPoint 4.1, the parameters will look like this:

```
<param-name>dbhost</param-name>
<param-value>127.0.0.1\SNWL</param-value>

<param-name>dburl</param-name>
<param-value>jdbc:inetdae7a:127.0.0.1/SNWL</param-value>
```

Change the dbhost and dburl to contain the IP address and port of the SQL Server, so the parameters will look similar to this:

```
<param-name>dbhost</param-name>
<param-value>10.50.1.15</param-value>

<param-name>dburl</param-name>
<param-value>jdbc:inetdae7a:10.50.1.15:1433</param-value>
```

- Install SQL Server 2005 and apply SP1. Make sure to select Mixed Mode Authentication.
- In SQL Server, create a login with the same username and password used in step 4 (decrypted). Make sure this login has dbcreator rights.
- In SQL Server, attach the sgmsdb, sgmsdb_archive, and rawsyslogdb databases at [ViewPoint]\MSDE\Data\MSSQL\$SNWL\Data. Use 'sp_changedbowner' on each database to change db ownership to the account created in step 8:

```
use sgmsdb
'EXEC sp_changedbowner 'username';

use sgmsdb_archive
'EXEC sp_changedbowner 'username';

use rawsyslogdb
'EXEC sp_changedbowner 'username';
```

- Start the SNWL ViewPoint services.

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