

Spotlight Audit/RM - Core Installer v 1.6.0

Blackchair Spotlight Spotlight Core Audit/RM

Core Installer Install Process

Version 1.6.0

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Introduction

Intended Scope & Audience

This document presents instructions for installing **Spotlight Core Installer v 1.6.0** Auditing module. The intended audience is system engineers and other members of an implementation team who install, configure and maintain systems that Spotlight will ultimately track. It has been written with the assumption that you have a basic understanding of:

- Windows servers
- SQL Server databases

The scope of this version of the Install Guide is installing **Spotlight Core Installer v 1.6.0** , the Spotlight database is hosted on Microsoft SQL server and the software installed on a Microsoft Windows server.

If you wish to arrange assistance with your installation please contact - installationsupport@theblackchair.com

Spotlight Core Installer Overview

The Spotlight Core Installer is used to install the framework for Spotlight Core Audit/RM. It installs the following components:

- Apache Tomcat
- Spotlight Consumer Service
- Spotlight Producer Service
- Spotlight Comms Server Service
- Spotlight database
- Slconfig database
- Spotlight Configuration Management UI

The resultant Spotlight Core Audit install is a self monitoring environment, monitoring Spotlight config files/directories. Once Spotlight Core has been installed, the Environment Wizard can be used to add connections to the systems that Spotlight should track.

Software & Licensing

A thirty day temporary license is included in the installation of Spotlight Core Installer.

To request a permanent license:

Complete the form at <http://www.theblackchair.com/license-key-form> supplying the following information:

- Requestor and email address
- Environment type - Genesys, Avaya etc
- Customer details
 - territory and location
 - estimated project start
 - estimated project finish
 - project details
 - sponsoring customer name and contact
- Number of seats
- Purchase order details
- Project manager
- Project code
- Responsible engineer
- Planned installation date

The license files provided will depend on what environments are to be installed. Login details for an FTP site to download the Spotlight software will be sent to the specified email address within 2 working days.

The license files must not be altered in any way and must be used in a Spotlight installation within 2 weeks; after this time the license will

become locked and a refresh must be requested.

The software must be downloaded within two weeks from the FTP site; after this time the login details will become locked and unlock must be requested.

In the event of requiring license refresh or FTP login unlock please email details to - installationsupport@theblackchair.com

Pre-Install Requirements

Architecture

The following components are installed and/or configured during the Spotlight Core Setup

- **Loader service/SDP:** This is the heart of the Spotlight application; it is responsible for the tracking and loading of the changes and their associated version into the Spotlight database.
- **The User Interface (UI):** This is the web interface that the client will access to view the changes to the systems that they are tracking. This interface will also provide the user the ability to set their own personal preferences such as the number of items displayed on their screen and their time zone.
- **Spotlight Comms Server** - This is a spotlight component that when configured with email server settings facilitates the sending of email notifications for certain spotlight features
- **Apache Tomcat** - holds the Spotlight webservices component used by the User interface
- **IIS** - location of the Spotlight user interface
- **Mongo DB** - not currently in use

The Spotlight server needs connection to:

- Spotlight uses the Rabbit MQ service to load data into Spotlight. The following ports are required to be open
 - 5672 - Default port Rabbit MQ listens on
 - 15672 - Used by Rabbit MQ admin GUI
 - 5670 - Port used by Blackchair Consumer. Subsequent ports are utilised by the Consumer if additional environments are installed. These are normally increments of 10, eg 5680, 5690 etc

User workstations need connection to:

- The IIS instance on the Spotlight server, usually port 80
- The Tomcat instance on the Spotlight server, usually port 8080

Once Spotlight Core has been installed, the Environment Wizard can be used to add connections to the systems that Spotlight should track. Specific connection settings for each type of environment are described in their specific prerequisite document.

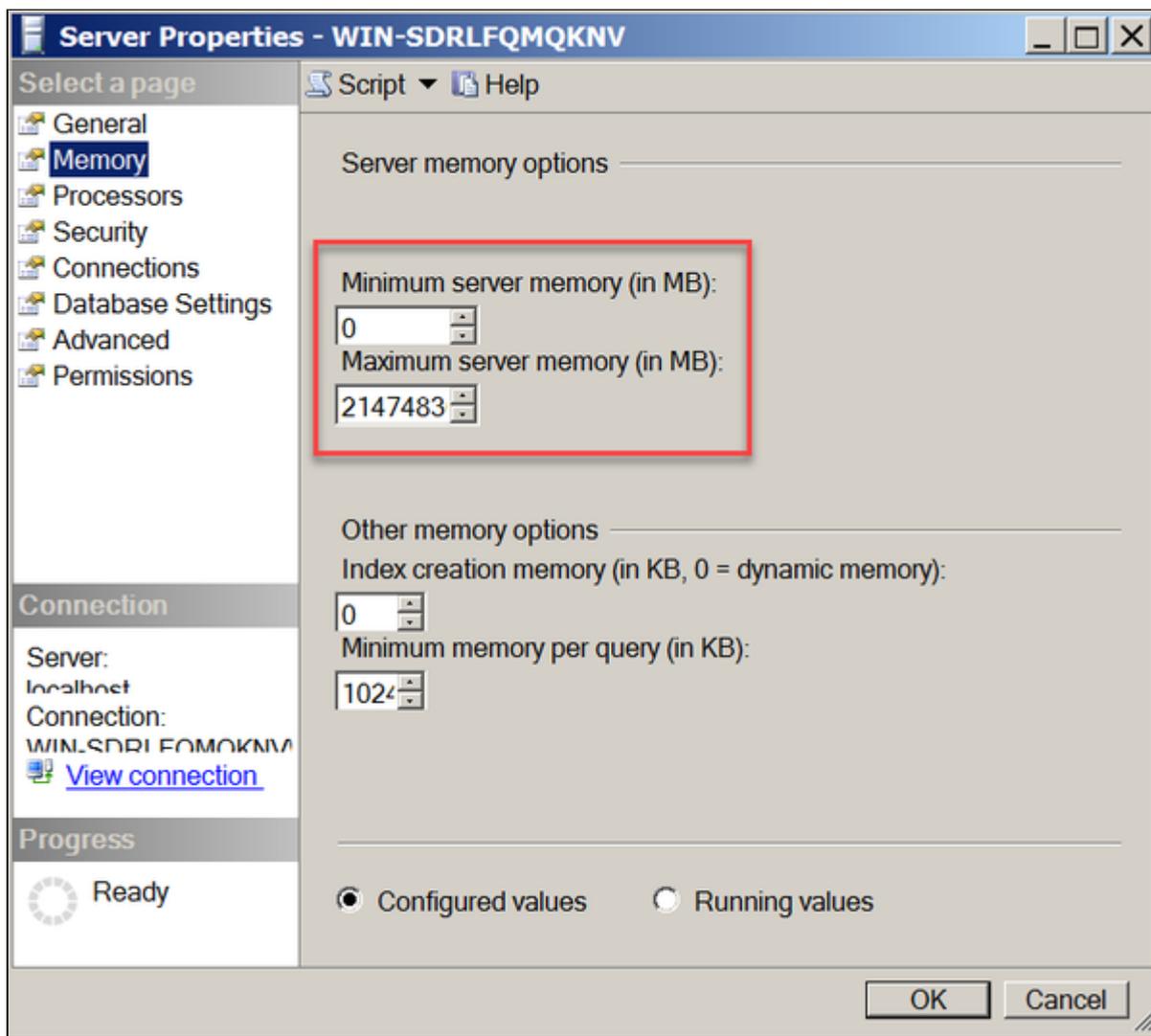
Server Sizing

For information on server sizing and pre-requisite requirements please refer to [Spotlight Core Audit Prerequisites](#)

Platform Requirements

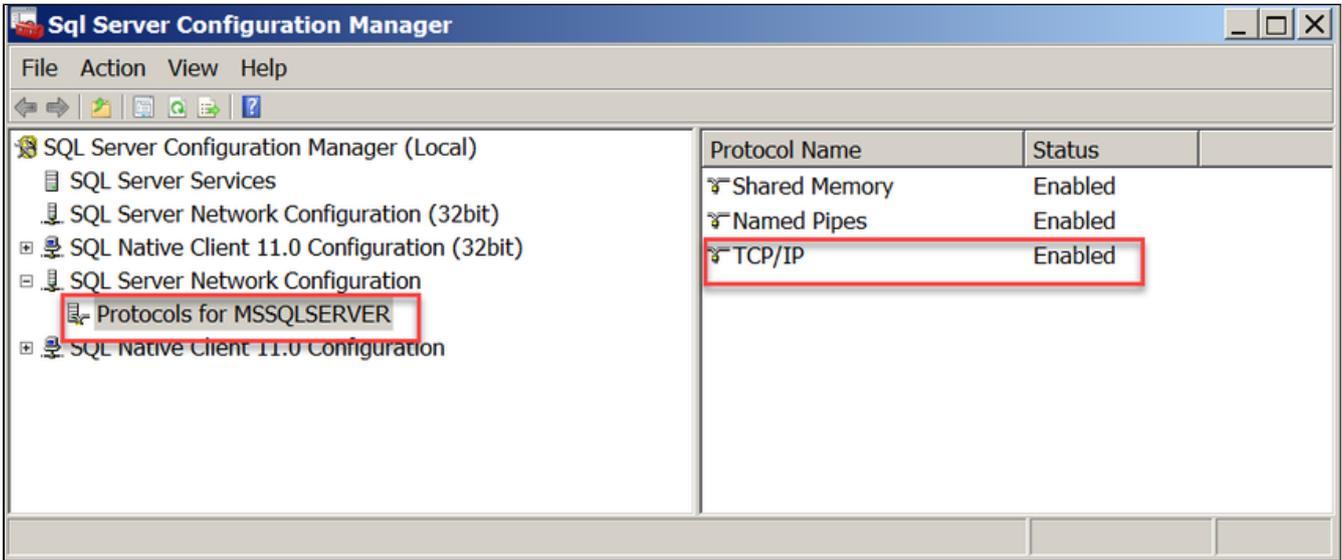
Spotlight audit is installed on a Windows server and uses a SQL Server database to store its information.

- The server operating system must be **Windows 2008, Windows 2008R2, Windows 2012, Windows 2014** or **Windows 2016 64 Bit** with latest Service Pack.
- The database must be **SQL Server 2008, SQL Server 2008R2, SQL Server 2012, SQL Server 2014** or **SQL Server 2016** with latest Service Pack. The account used to login to the Spotlight server to perform this installation work must be configured as an administrator of the SQL Server instance.
- Standard Java 64-bit SDK 1.8 (Note: specifically the 64-bit SDK must be installed only)
- SQL Server must be configured to use half of the total server memory. Configure this in **SQL Server management Studio**. Right-click on the instance, select **Properties** and select the **Memory page**, set **Maximum server memory** to half the total server memory. Note that SQL Server must be restarted for this change to take effect and the running values be set to the configured values.

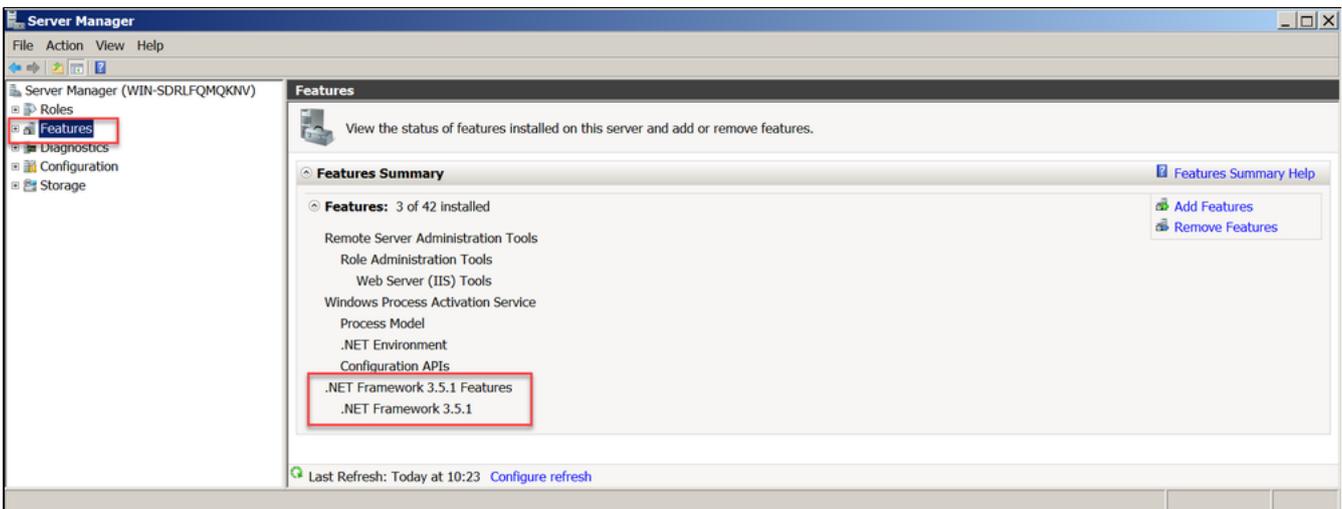


- Ensure the **TCP/IP** protocol is enabled for **SQL Server**. Open **SQL Server Configuration Manager** and check in the **SQL Server**

Network Configuration as below. If **TCP/IP** is disabled set it to enabled and restart **SQL Server**.



- **.Net Framework 3.5.1** must be installed. To check this look in **Server Manager > Features**
- **Windows .Net Core 2.2** installed - Spotlight 6.43 onwards

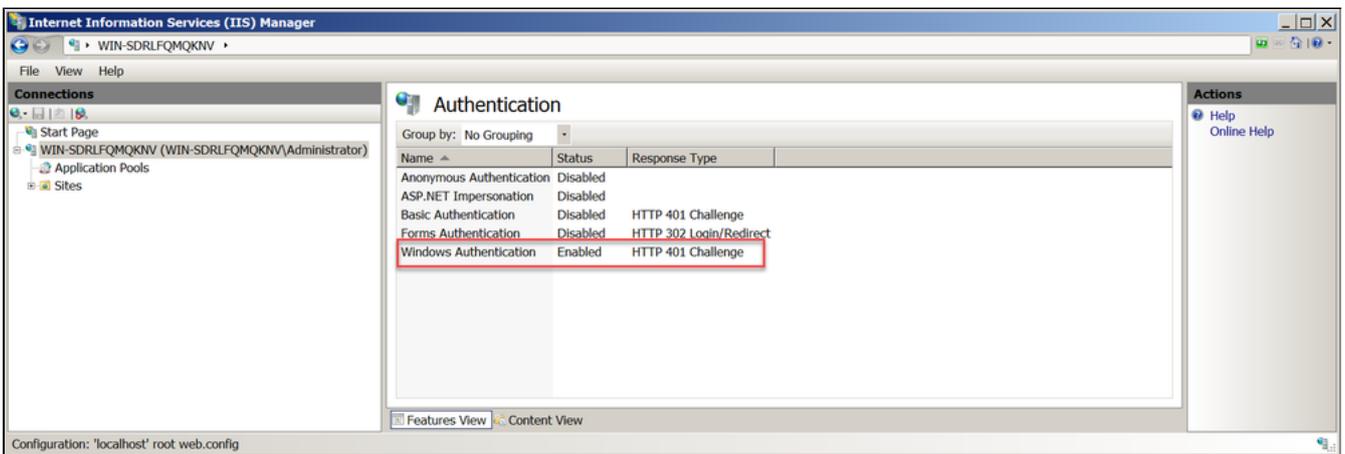
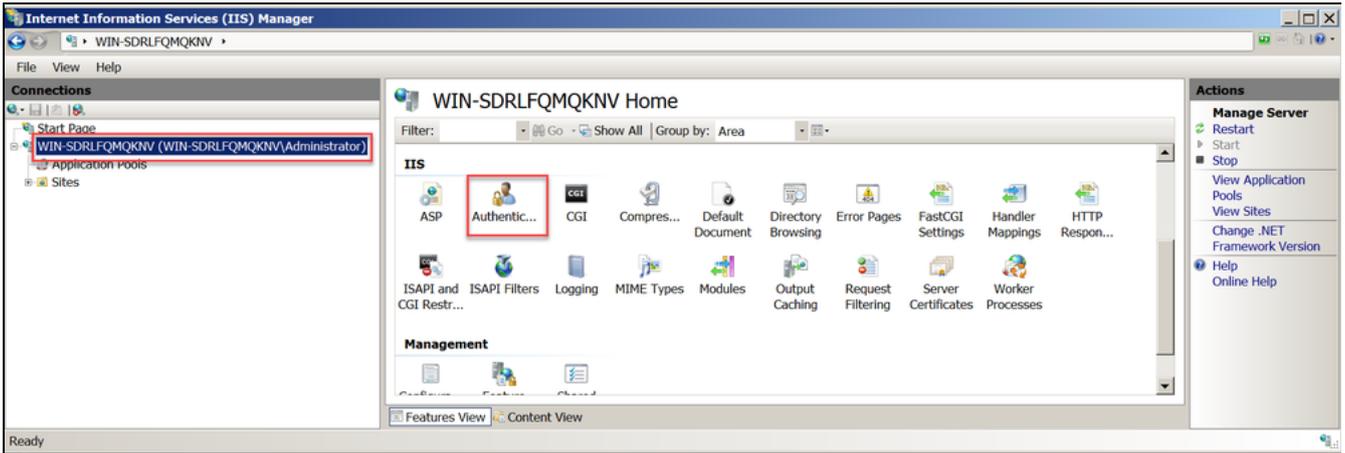


- **Microsoft IIS** must be installed with the following role services:

Rob/Sub Role			Installed/Not Installed
Web Server	Common HTTP Features	Static Content	Installed
		Default Document	Installed
		Directory Browsing	Installed
		HTTP Errors	Installed
		HTTP Redirection	Not Installed
Application Development	ASP .NET	Installed	

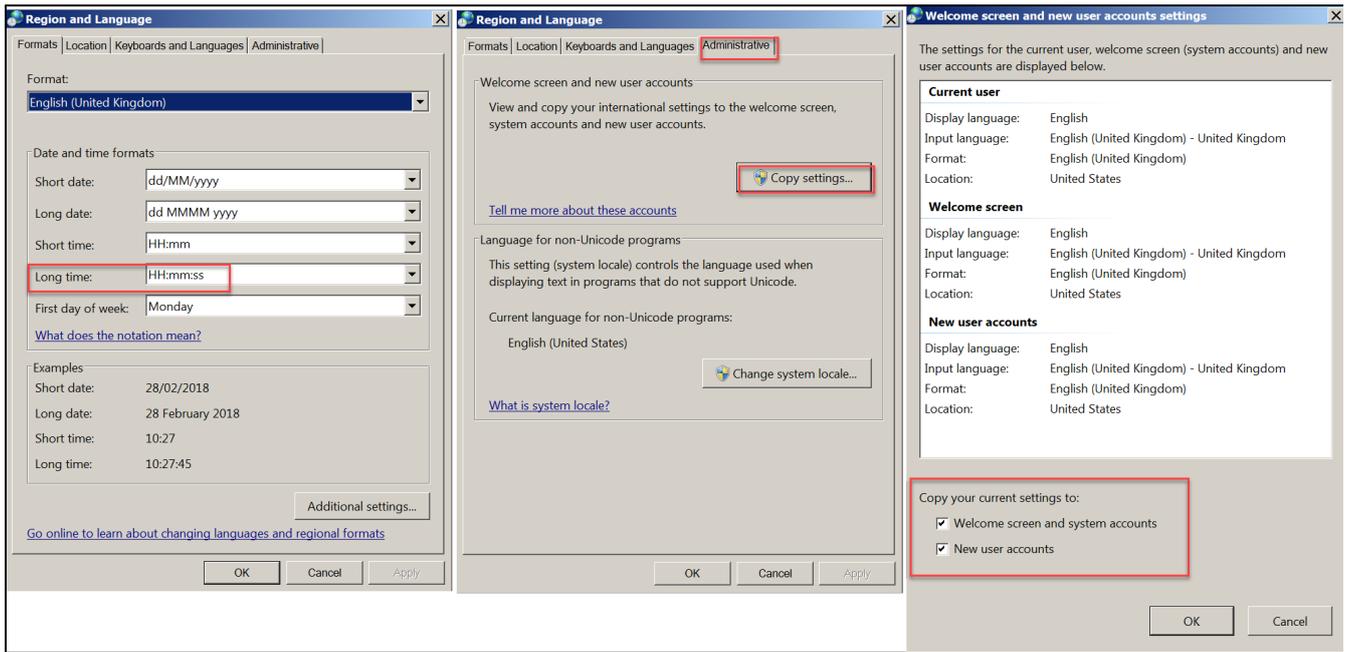
		.NET Extensibility	Installed
		ASP	Installed
		CGI	Installed
		ISAPI Extensions	Installed
		ISAPI Filters	Installed
		Server Side Includes	Not Installed
	Health & Diagnostics	HTTP Logging	Installed
		Logging Tools	Not Installed
		Request Monitor	Installed
		Tracing	Not Installed
		Custom Logging	Not Installed
		ODBC Logging	Not Installed
	Security	Basic Authentication	Not Installed
		Windows Authentication	Installed
		Digest Authentication	Not Installed
		Client Certificate Mapping Authentication	Not Installed
		IIS Client Certificate Mapping Authentication	Not Installed
		URL Authorisation	Not Installed
		Request Filtering	Installed
		IP and Domain Restrictions	Not Installed
	Performance	Static Content Compression	Installed
		Dynamic Content Compression	Not Installed
	Management Tools	IIS Management Console	Installed
		IIS Management Scripts & Tools	Not Installed
		Management Service	Not Installed
		IIS 6 Management Compatability	Installed
		IIS 6 Metabase Compatability	Installed
		IIS 6 WMI Compatability	Installed
		IIS 6 Scripting Tools	Installed
		IIS 6 Management Console	Installed
	FTP Publishing Services	FTP Server	Not Installed
		FTP Management Console	Not Installed

In Internet **Information Services IIS Manager** ensure the **IIS Authentication** settings at server level enable **Windows Authentication only**



In **Terminal Services Configuration** ensure the session settings for **RDP-TCP** connection types will never disconnect sessions:

- In the servers regional settings ensure both Short Time and Long Time formats do not include "tt" for AM/PM and are as shown below and are copied to welcome screen, system accounts and new user accounts in the Administrative tab:



- Set the **service start timeout** to **120 seconds**.
- Run **Windows Registry editor Regedit** and navigate to the following registry subkey - **HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control**
- Create a new **ServicesPipeTimeout** entry and set the value to **120000**: - On the **Edit** menu, point to **New**, and then click **DWORD Value**. - Type **ServicesPipeTimeout**, and then press **ENTER**. - Right-click **ServicesPipeTimeout**, and then click **Modify**. - Click **Decimal**, type **120000**, and then click **OK**.
- Restart the server

No other software should be installed on the server. Spotlight Audit requires a dedicated server with no other software, websites or Java versions. Ancillary software such as endpoint protection or anti-virus software may be installed after Spotlight audit is installed and tested as functioning correctly.

Installation Preparation

Spotlight Folder Structure

Provided with the Spotlight software is a **cmd** file called **FolderStructure2.cmd**. This file can be used to create a uniformed folder structure in which to install the Spotlight components.

NOTE: *If possible the installation of the Spotlight software on the C: drive should be avoided unless requested to do so by the customer.*

To create the folders:

- Right click the file and select **Run as Administrator**
- Enter the data drive location – eg **D:** (If the customer request that the Spotlight folders be placed in a particular location enter the location accordingly e.g **D:MyFolder**)
- Select **Enter**
- Enter the log drive location – eg **D:** (If the customer request that the Spotlight folders be placed in a particular location enter the location accordingly e.g **D:MyFolder**)
- Select **Enter**

- Select **Enter** to close

```

C:\Windows\System32\cmd.exe
Enter the drive letter and location for the DATA folders.
IMPORTANT NOTE: Entry must NOT end with a back slash (\).

Enter location for data folders:D:\MyFolder

Enter the drive letter and location for the LOG folders.
IMPORTANT NOTE: Entry must NOT end with a back slash (\).

Enter location for log folders:D:\MyFolder

*** Folders created. ***

*** LogPurge.bat file created. ***

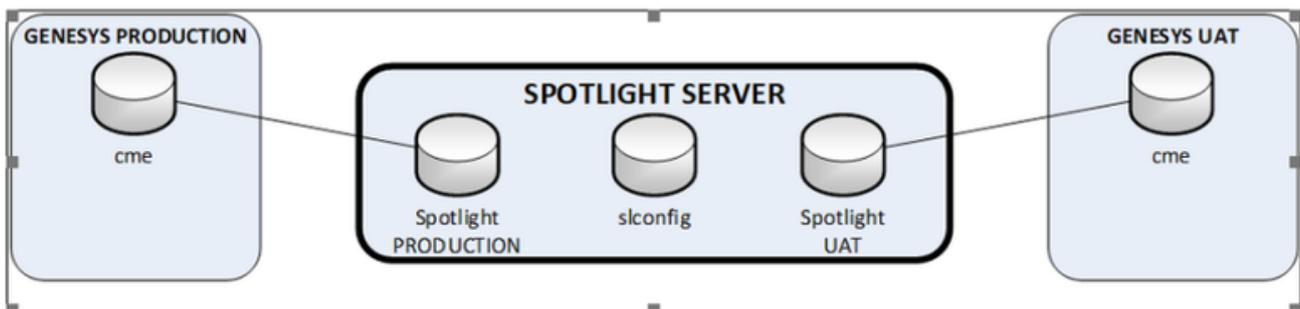
Hit enter to close.

```

The folder structure, and **LogPurge.bat** file, will now be created. One of the Spotlight folders created is called **...Blackchair\Software**. It is recommended that the Spotlight install files and any other Spotlight software provided by Blackchair is placed into this folder prior to installation.

Spotlight Databases

Spotlight uses two types of database; a configuration store and a model store.



A Spotlight instance contains a single configuration store named "**slconfig**". This database contains information about the configuration of the Spotlight environment and the model databases. This database is only a few megabytes in size. When environments are added using the environments wizard, a new model database will be required for each environment added and the slconfig database will be updated.

The Spotlight Core Installer will create the required databases and database table structures provided a db owner has been created.

If the customer wishes to create the database themselves, the database creation scripts are provided in the software package. The following sections describe the process to create the db owner (required) and the optional manual creation of the slconfig and spotlight databases.

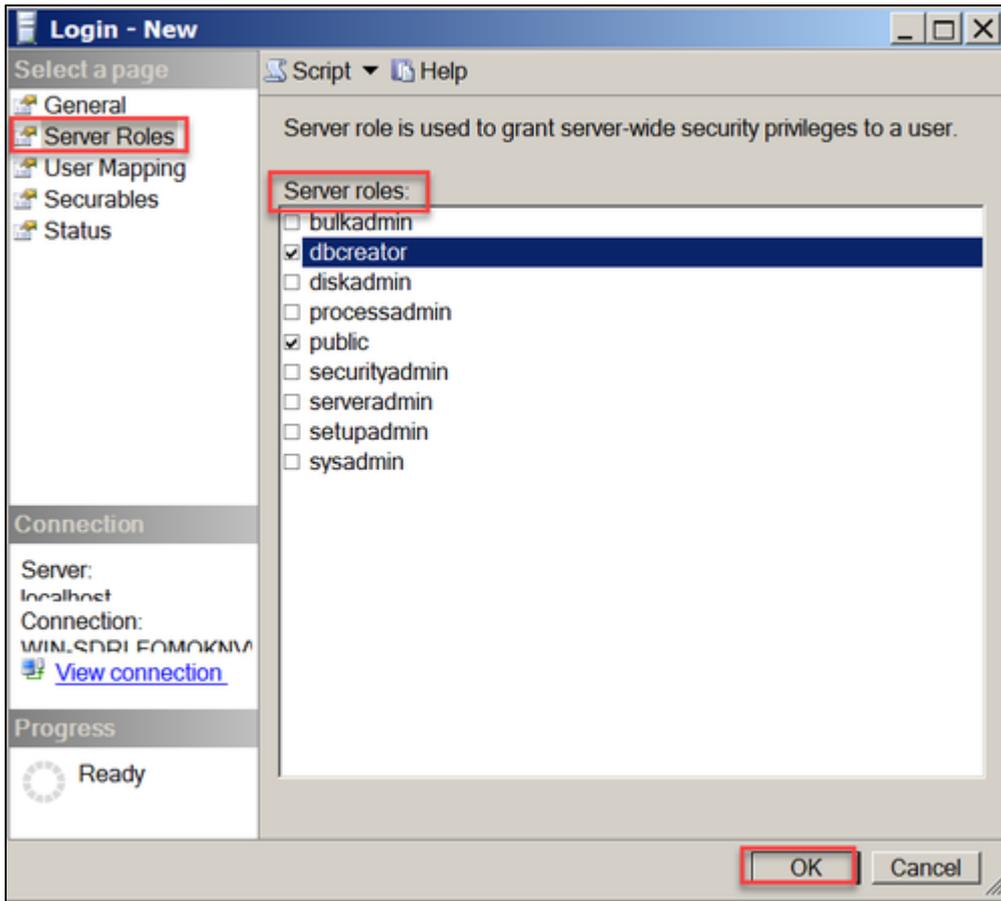
Create DB Owner

All Spotlight databases, configuration and model, are owned by the same **SQL Server** login. Using **SQL Server Management Studio** create a new login with SQL server authentication and no enforcement of password policy, as shown in the following example.

- Expand **Security**, right click **Logins** and select **New Login**



- Enter a Login Name, "**spotlight**" is recommended however any login name can be created.
 - Select **SQL Server Authentication**, then enter a password and confirm the password
 - Ensure **Enforce Password Expiration** and **User must change password at next login** are unchecked.
-
- In the Server Roles page ensure the new user has **dbcreator** role assigned

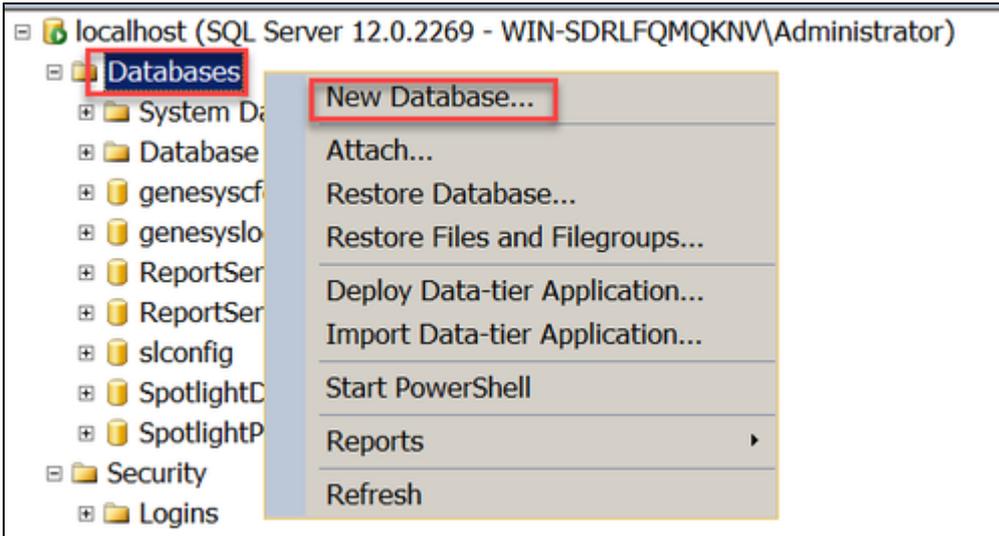


- Select **OK**

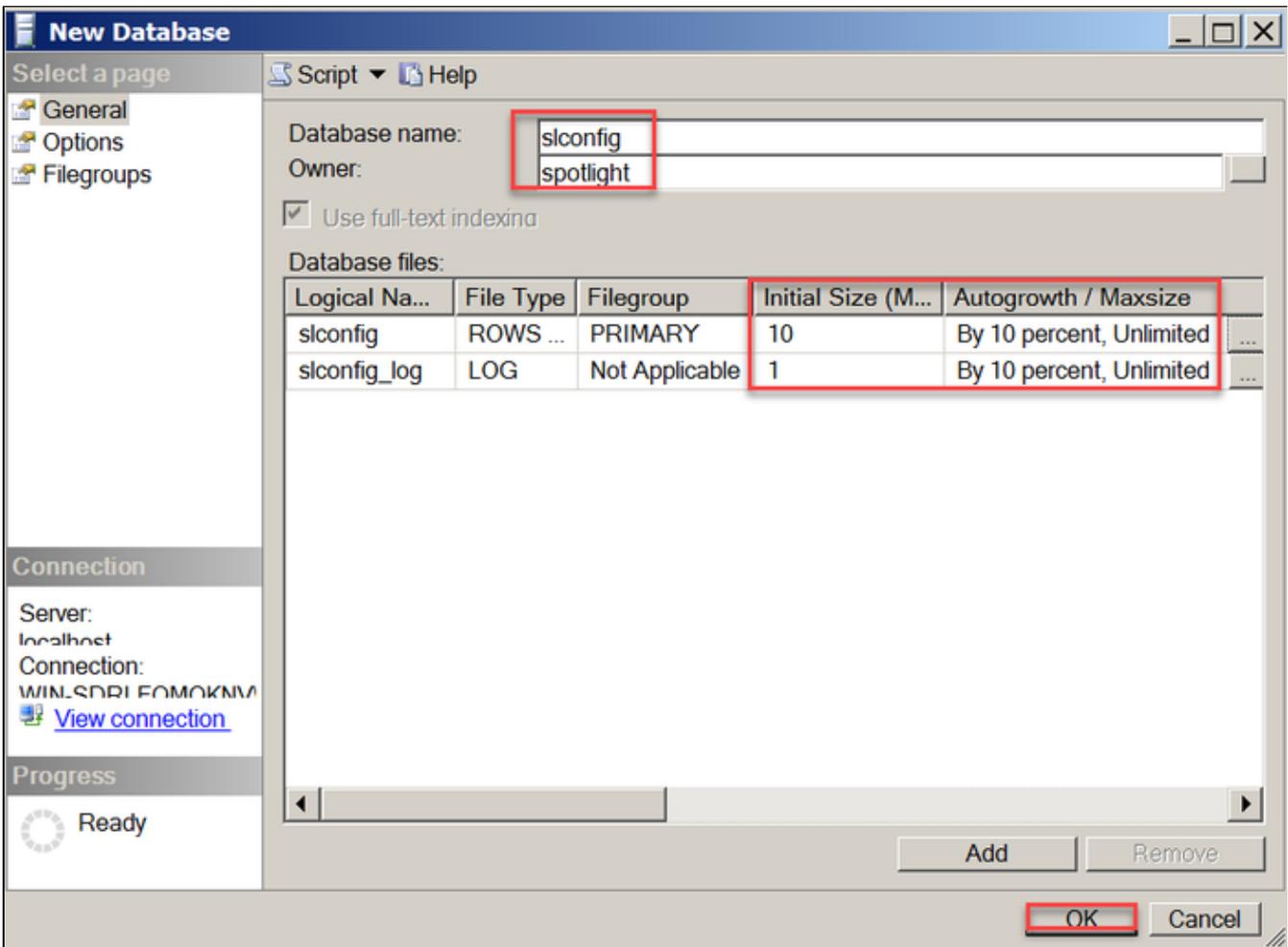
Optional - Create SConfig DB

Using **SQL Server Management Studio** create a new database of initial size **10MB** owned by the login (e.g. **spotlight**) created in the previous step, as shown in the following example. Database name "**sconfig**" is recommended however any database name can be chosen.

- Right click **Database** and select **New Database**



- Set the following values as shown:
 - **Database Name**
 - **Owner** - user created previously
 - **Initial Size** - 10MB and 1MB for log
 - **Autogrowth** - By 10 percent

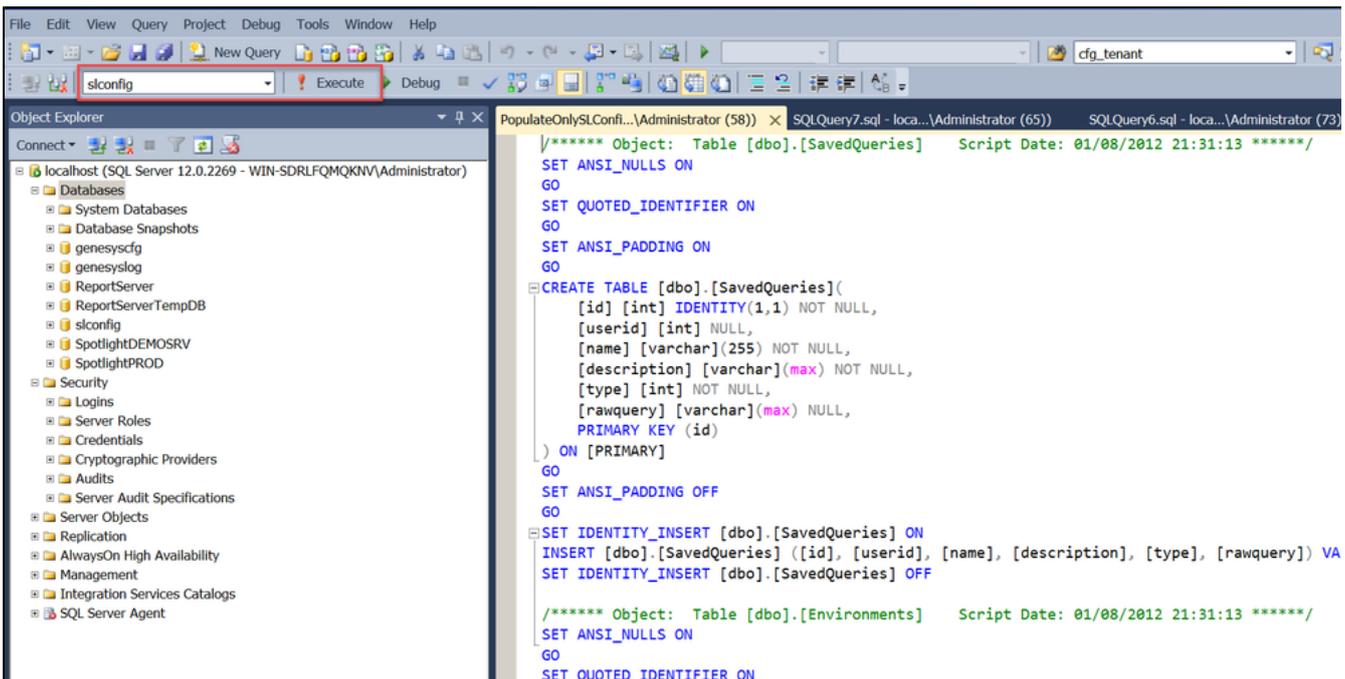
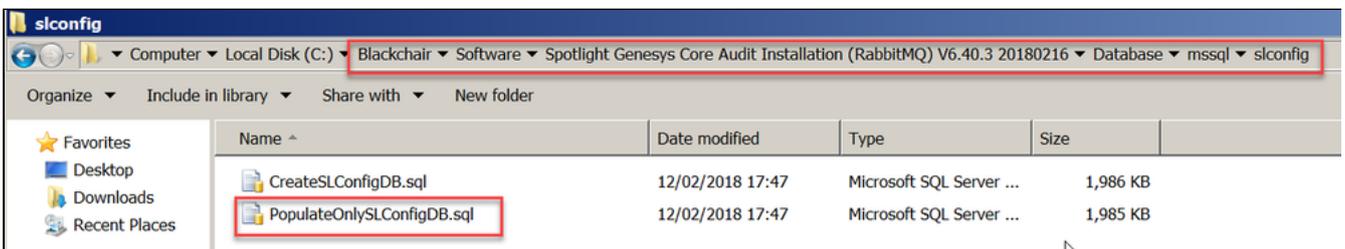


- Select **OK**

Optional - Create Slconfig DB Structure

Create the slconfig db structure:

- Locate the script "**PopulateOnlySLConfigDB.sql**" in the provided database files
- Execute this in a query window in **SQL Server Management Studio** against the previously created **slconfig** database

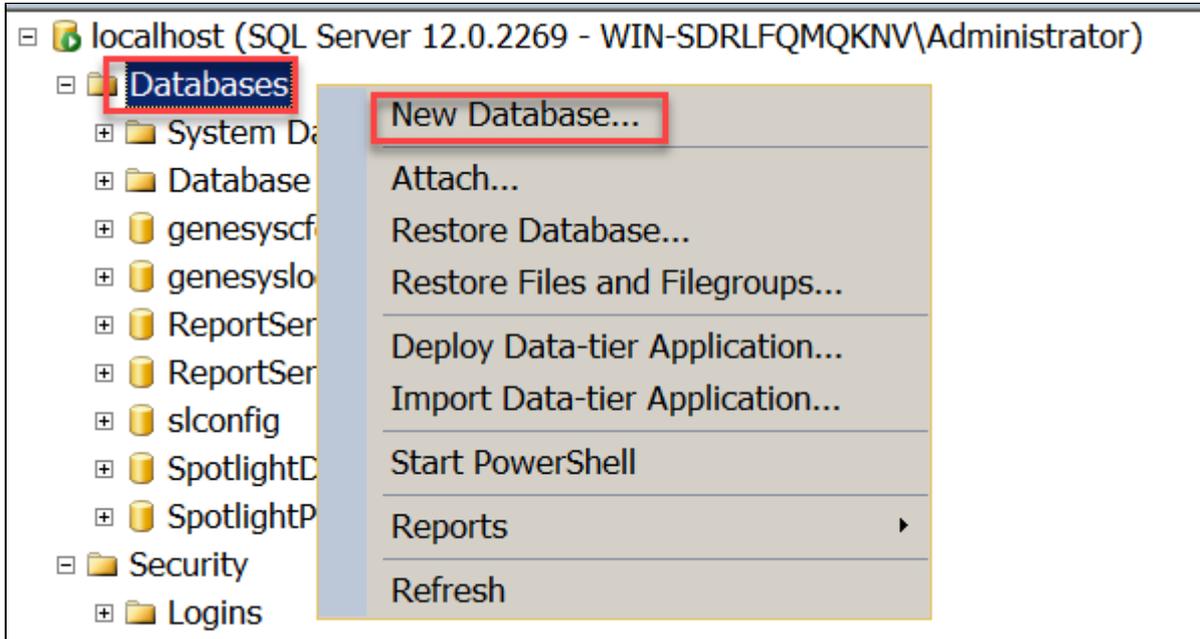


Optional - Create Spotlight DB

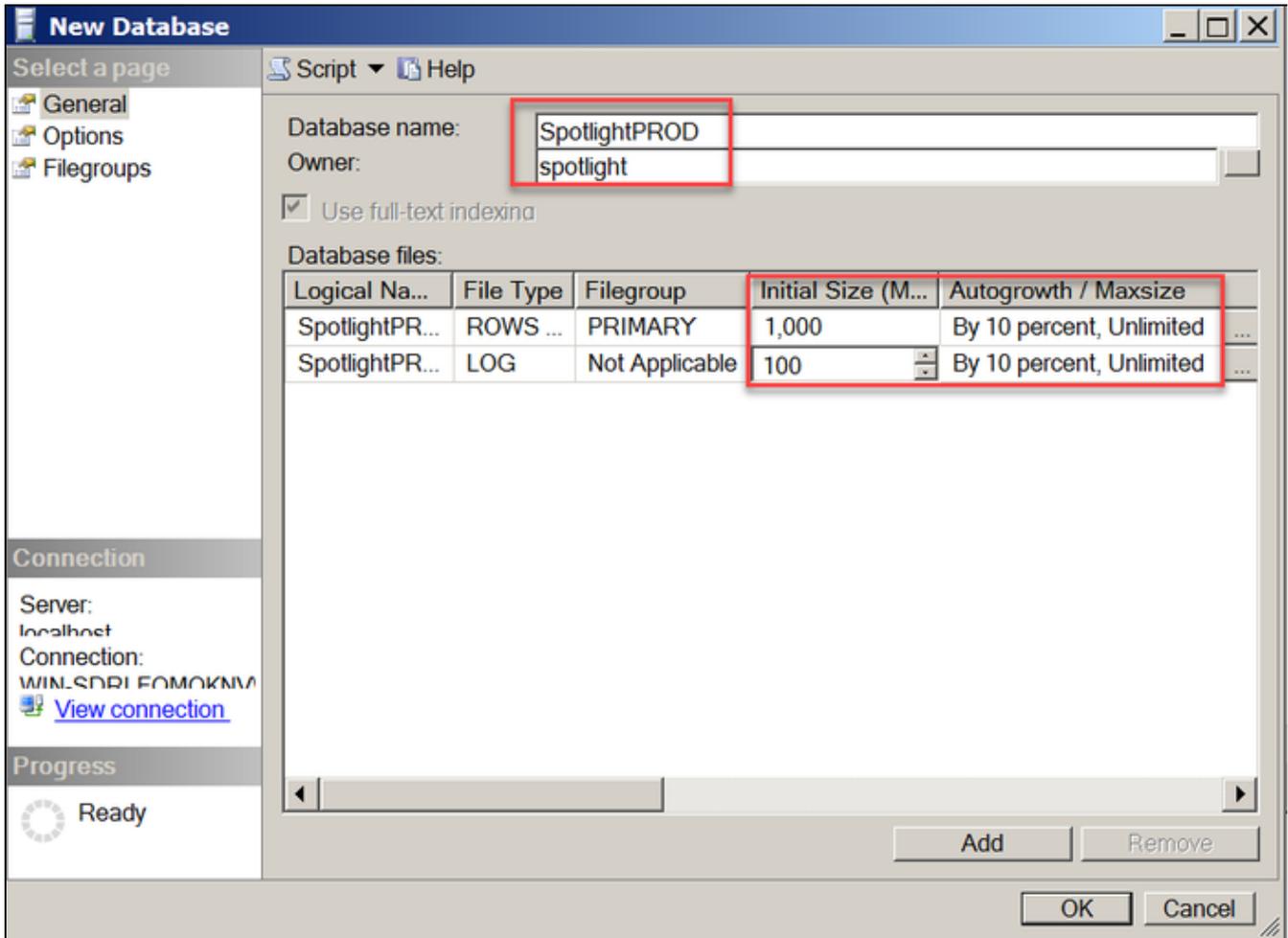
Using **SQL Server Management Studio** create a new database of initial size **1000MB** , Auto growth set to **10%**, owned by the login (e.g. **sp**

otlight) created in the previous step, as shown in the following example. Database name "spotlight" is recommended, however any database name can be chosen.

- Right click **Database** and select **New Database**



- Set the following values as shown:
 - **Database Name**
 - **Owner** - user created previously
 - **Initial Size** - 1000MB and 100MB for log
 - **Autogrowth** - By 10 percent



- Select **OK**

Optional - Create Spotlight DB Structure

- Locate the batch file "**ManualBuild-nocreate.bat**" in the provided databases files
- Edit the file to contain the correct values for the installation
 - **spotlightdbname** is set to the name of the model database created above
 - **sqlservername** is set to the name of the SQL Server instance hosting the model database. If the default instance is used this will be of the form "**servername**". If a named instance has been used this will be of the form "**servername\instancename**"
 - **sqladminusername** is set to the login created above that owns the model database
 - **sqladminpassword** is set to the password for the login above

```
ManualBuild-nocreate.bat
1 @echo off
2
3 set spotlightdbname=SpotlightPROD
4 rem include instance in sql server name if not default instance
5 set sqlservername=WIN-SDRLFQMOKNV
6 set sqladminusername=spotlight
7 set sqladminpassword=spotlight
8
9 echo Creating Spotlight Database: "%spotlightdbname%"
10
11 BuildDatabase-nocreate.bat "%spotlightdbname%" "%sqlservername%" "%sqladminusername%" "%sqladminpassword%" "sqlcmd.exe" .
```

- Save the file
- Working on the Spotlight server itself, open a command prompt and navigate to the folder containing the **ManualBuild-nocreate.bat** file you just edited.
- In the command prompt, type **ManualBuild-nocreate.bat** to execute the batch file.
 - Messages "**Caution: Changing any part of an object name could break scripts and stored procedures.**" may be expected depending on the exact version/service pack and can be ignored. Any other error messages cannot be ignored and must be addressed.

Spotlight Core Installation

To begin installation - Double click the **Spotlight Core Installer** application.

The application will require selections to be made and information to be entered in the following screens:

- Welcome
- Prerequisites
- Installation Folders
- Database Connections
- Email Server Details
- License Details
- Security Settings
- Log Purge
- Review
- Progress
- Finish

Each page of the application will contain a "**Back**" button to allow navigation to previous pages, as well as a section highlighting the pages completed and the page currently in progress.

Welcome

- ▶ **Welcome**
- ▶ Prerequisites
- ▶ Installation Folders
- ▶ Database Connection
- ▶ Email Server Details
- ▶ License Details
- ▶ Security Settings
- ▶ Log Purge
- ▶ Review
- ▶ Progress
- ▶ Finish

After the **Spotlight Core Installer** has been run once, accessing it again will display alternative options, which can be utilised to uninstall all Spotlight components.

Welcome

- ▶ **Welcome**
- ▶ Uninstall
- ▶ Progress
- ▶ Finish

If a previous version of Spotlight installed using the **Core Installer** (Spotlight v6.44 or above) is detected when the **Core Installer** is opened, in addition to presenting the option to uninstall Spotlight an Upgrade option is also available.

Components:

- Uninstall Spotlight Components Upgrade Spotlight to 6.45.1
- Consolidated Notification Dashboard 7.4.0

Welcome

The first page of the installer is the **Welcome** page, which indicates if the **System Memory** and **Processor** of the server meet the requirements of Spotlight, and is used to select which Spotlight components to install:

To select components:

- Select the relevant check box - **Spotlight Core v 6.45**
- Select **Next**

Welcome to Spotlight Core Setup

Setup will guide you through the installation of Spotlight Core.

It is recommended that you close all other applications before starting Setup.
This will make it possible to update relevant system files without having to reboot your computer.

Please choose the desired options and click Next to continue.

Components:

Spotlight Core 6.45.1

System Info:



System Memory

Available memory is: 6 GB, Minimum Required 32GB



Processor

Physical Processors:4. Available Processor Cores:4 Minimum Required 4 cores

Next

Cancel

NB: Consolidated Notification Dashboard was previously available to be selected, but now can be installed using a separate standalone installer

Prerequisites

The **Prerequisites** page will check that all the necessary prerequisites are in place for the Spotlight Components selected on the **Welcome** page.

- A red cross will indicate any that are not met, and these need to be resolved before continuing.

Spotlight Core Setup Prerequisites

Checking Prerequisites

- | | |
|--|---|
| ✓ 1. Checking .Net Framework v3.5 SP1
.Net v3.5 is installed | ✓ 2. Checking .Net Core
.Net Core Version: 2.2.0 installed |
| ✓ 3. Checking Port 8081
Port appears to be Available | ✓ 4. Checking Port 8085
Port appears to be Available |
| ✓ 5. Checking IIS
IIS is installed | ✓ 6. Checking AspNetCoreModule on IIS
AspNetCoreModule found |
| ✓ 7. Checking ASP.NET components on IIS
ASP.NET is installed | ✓ 8. Checking BasicAuthentication on IIS
BasicAuthentication is installed |
| ✓ 9. Checking Windows Authentication on
Windows Authentication is installed | ✓ 10. Checking MS SQL .Net Provider
MS SQL .Net Provider is installed |
| ✓ 11. Checking Java or OpenJDK
Java v8+ is installed
OpenJDK v11 + is not found | |

Next

Cancel

- If all required prerequisites are met, select **Next**.
- **NB - Spotlight requires JAVA or OpenJDK, not both**

Installation Folders

The Installations Folder page is used to select the drive and folder location of the installed software and the software logs.

For each :

- Enter the location manually or

Choose Install Location

Setup will install Spotlight Core in the following folders.

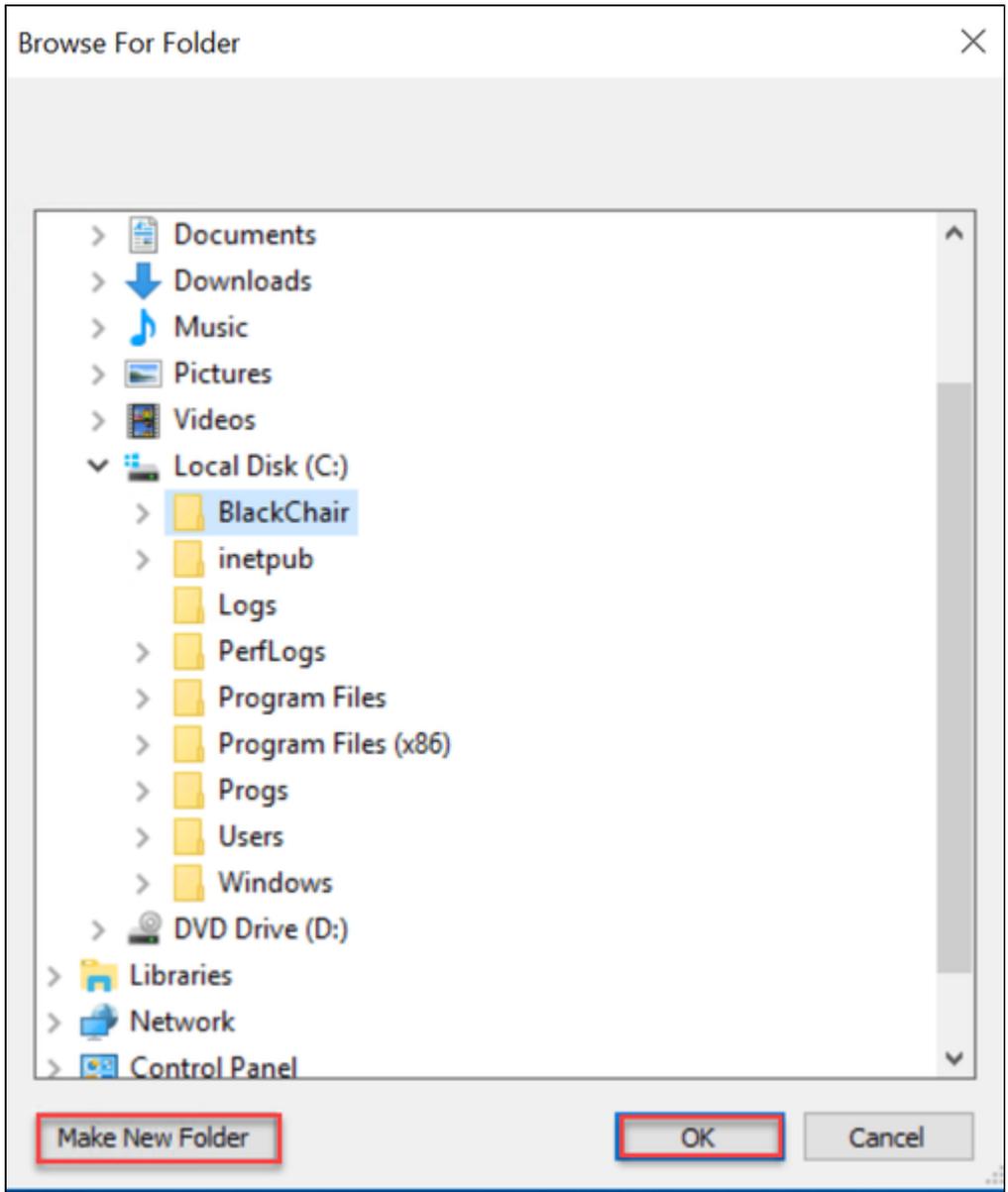
To install in a different folders, click Browse and select another folder for Base Install or Logs.

Click Next to continue the process.

Destination Folders

Base Install	<input type="text" value="C:\BlackChair"/>	<input type="button" value="Browse..."/>
Logs	<input type="text" value="C:\BlackChair\Log"/>	<input type="button" value="Browse..."/>

- Select the **Browse** button and select an existing folder, then **OK** or
- Select the **Browse** button and make a new folder, then **OK**



Database Connection

The **Database Connection** page is used to define the connection strings to the **slconfig** and **Spotlight File Audit** databases.

Database

Setup will create Spotlight Core databases (slconfig and spotlight) with the following connection to the server. To use a different connection, click Setup Connection and select another.

The user login specified in the connection details should have the dbcreator server role to be able to create databases on the target server. If the databases are already created please click Skip database creation. Click Next to continue the process.

Database Server: MS SQL Oracle

Encrypt Connection Strings

SLConfig

Connection:

Data Source=WIN-4RK9KDGTGBL;Initial Catalog=slconfig;User ID=spotlight;Pas

Setup...

Skip database creation Skip schema creation

Spotlight File Audit:

Connection:

Data Source=WIN-4RK9KDGTGBL;Initial Catalog=SpotlightConfigFiles;User ID=s

Setup...

Skip database creation Skip schema creation

Environment Name:

SpotlightConfigFiles

Next

Cancel

Firstly select if the databases will be MS SQL or Oracle.

To set the **slconfig** connection string, manually adjust the following information in the Server Connection field:

- For **SQL**
 - **Data Source** - the IP or Host name of the db server
 - **Initial Catalog** - the name of the slconfig db
 - **User ID** - the username of the spotlight db account
 - **Password** - the password of the spotlight db account

Slconfig: Data Source=WIN-JBLA13U5ERT;Initial Catalog=slconfig;User ID=sp

Setup...

Skip database creation Skip schema creation

- For **Oracle**

- **User ID**
- **Data Source** - the IP or Host name of the db server and **db Name**
- **Password** - the password of the spotlight db account

Slconfig:

Skip database creation Skip schema creation

Alternatively you can instead :

- Select **Setup**
- For **MS SQL - SQL Server Authentication**
 - Enter the Server Name
 - Select **Use SQL Server Authentication**
 - Enter the spotlight db account username and password
 - Select **Save My Password**
 - Select or enter a database name
 - Select **slconfig** if the database has been created by the client
 - Enter **slconfig** if the database is yet to be created
 - Test the connection
 - Select **OK**

Set up database connection

Data source:
Microsoft SQL Server (SqlClient) Change...

Server name:
localhost Refresh

Log on to the server

Use Windows Authentication
 Use SQL Server Authentication

User name: spotlight
Password: ●●●●●●●●
 Save my password

Connect to a database

Select or enter a database name:
slconfig

Advanced...

Test Connection OK Cancel

- For **MS SQL - Windows Authentication**
 - Enter the Server Name
 - Select **Use Windows Authentication**
 - Select or enter a database name
 - Select the slconfig database if it has been created by the client
 - Enter **slconfig** if the database is yet to be created
 - Test the connection
 - Select **OK**

Set up database connection

Data source:
Microsoft SQL Server (SqlClient) Change...

Server name:
5.101.171.61 Refresh

Log on to the server

Use Windows Authentication
 Use SQL Server Authentication

User name:
Password:
 Save my password

Connect to a database

Select or enter a database name:
slconfig_GK_6442

Advanced...

Test Connection OK Cancel

- For **Oracle**
 - Enter the **Server Name & Db Name**
 - Enter the spotlight db account username and password
 - Test the connection
 - Select **OK**

Set up database connection

Server name:
localhost/SpotlightConfigFiles

Log on to the database

User name: spotlight

Password: ●●●●●●●●

Test Connection OK Cancel

If the database and database table structure has already been created by the client, select **Skip database creation and Skip Schema Creation**

If the database has already been created by the client, but not the table structure, select **Skip database creation**

Slconfig: Data Source=WIN-JBLA13U5ERT;Initial Catalog=slconfig;User ID=sp Setup...

Skip database creation Skip schema creation

- Repeat the process above for the Spotlight File Audit database
- In addition, you also have the option to change the default environment name from SpotlightConfigFiles to any other name

Spotlight File Audit:

Connection:
Data Source=WIN-4RK9KDGTGBL;Initial Catalog=SpotlightConfigFiles;User ID=s Setup...

Skip database creation Skip schema creation

Environment Name:
SpotlightConfigFiles

- The database connection strings will be encrypted by default. If you do not wish these to be encrypted, deselect the check box

Database

Setup will create Spotlight Core databases (slconfig and spotlight) with the following connection to the server. To use a different connection, click Setup Connection and select another. The user login specified in the connection details should have the dbcreator server role to be able to create databases on the target server. If the databases are already created please click Skip database creation. Click Next to continue the process.

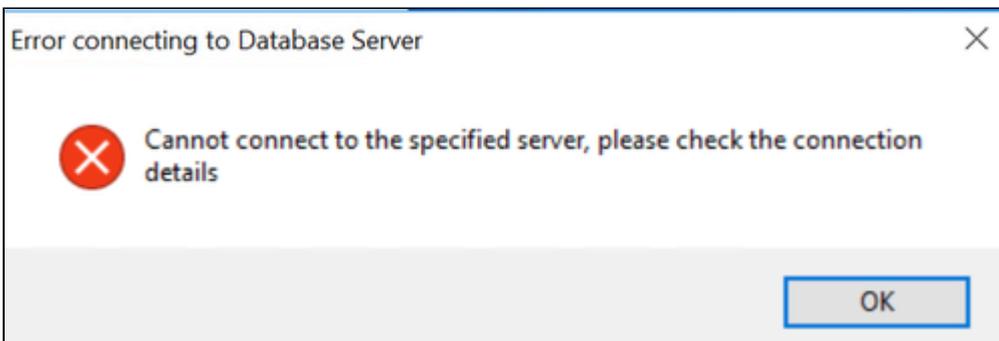
Database Server: MS SQL Oracle Encrypt Connection Strings

SLConfig

Connection:

Skip database creation Skip schema creation

- Once the connection strings have been set, select **Next**.
- If the installer is unable to connect to the db server, an error message will be displayed



- This needs to be resolved before continuing. The issue may be incorrect information provided or an inability to access the db server if it is separate from the software server

Email Server Details

The **Email Server** section is used to specify the settings of the email server that will be utilised by Spotlight to send email notifications. Select **Enable User Notifications** and then enter the following information:

- **Host** - Email server address
- **Port** - change if port 25 cannot be used
- **SMTP Username** - Email server username

- **SMTP Password** - Email Server password
- **From Address** - The email address that notifications are to be sent by

Select **Test Connection** to validate the entered information

Email Server Details

Please use the following page to provide the details for the communications server

Enable User Notifications (Comms Server)

SMTP

Host

Port

Username

Password

From Address

Skip Connection Validation

- If the client is yet to provide all or any of the email settings, select **Skip Connection Validation**
- The SMTP settings can be configured after installation in these circumstances
- Select **Next** to continue

Skip Connection Validation Test Connection

Successfully connected to Email Server.

Next Cancel

License Details

The **Core Installer** will generate a 30 day temporary Spotlight and SDP License. These can be replaced with permanent licenses during the installation process in the **Spotlight License Details** section.

- Select **Spotlight License Provided?**
- Select **Browse** and locate the Spotlight license - **InstallLicense.dat** file
- Select **Browse** and locate the SDP license - **license.properties** file
- Select **Next**

Spotlight License Details

Please use the following page to provide the details for the product license

 Spotlight license provided?

Spotlight License	<input type="text"/>	Browse...
Sdp License	<input type="text"/>	Browse...

NB: If no license is provided a trial one with 30 days validity will be used

Next Cancel

Security Settings

The **Security Settings** page is used to configure **Tomcat** and the **Spotlight UI** to use **HTTPS** and to change the username of the user that will be used to install Spotlight. When installed, this user will be the only user that has access to Spotlight, until that user creates more.

If this is not required, you still need to enter the password of the account being used, then select **Next** to continue. If this is required:

To change the user info, manually enter a new windows domain account and password in the fields provided

Additional Settings

Please specify the additional settings for the Setup Enable Release Managment Package Scheduler

Spotlight Administrator

Logon	Password	Name	Email
<input type="text" value="WIN-4RK9KDGTGBL\A"/>	<input type="password"/>	<input type="text" value="Administrator"/>	<input type="text" value="Administrator@localh"/>

Use https for websites and webservices (IIS and Tomcat) on standard ports 443 and 8443?

By Default, the "**Release Management Package Scheduler**" is enabled, this can be switched off by using the relevant check box. This feature is required if Release Management has been purchased by the client and allows Configuration Packages to be scheduled.

To configure Security Settings:

- Select the **Use https for websites and webservices** check box

Additional Settings

Please specify the additional settings for the Setup Enable Release Managment Package Scheduler

Spotlight Administrator

Logon	Password	Name	Email
<input type="text" value="WIN-4RK9KDGTGBL\A"/>	<input type="password"/>	<input type="text" value="Administrator"/>	<input type="text" value="Administrator@localh"/>

Use https for websites and webservices (IIS and Tomcat) on standard ports 443 and 8443?

- If the client has provided an IIS certificate file
 - Select **Browse** and locate the certificate
 - Enter the provided password
- If the client has provided an Tomcat certificate file
 - Select **Browse** and locate the certificate
 - Enter the provided password

IIS	
Certificate file	<input type="text"/> <input type="button" value="Browse..."/>
Certificate Password	<input type="text"/>
Tomcat	
Certificate file	<input type="text"/> <input type="button" value="Browse..."/>
Certificate Password	<input type="text"/>

- If these certificates are yet to be provided, we can generate a temporary certificate by selecting **Generate Self Signed Certificate**

NB: To protect the generated certificate please type the password on IIS Certificate Password field otherwise a default password 'blackchair' will be used

- Select **OK** at the confirmation message



- The location and password of the self signed certificate will be populated in the **IIS** and **Tomcat** fields
- The password chosen by Spotlight can be changed by manually typing a new password in the provided fields
- Select **Next**

Additional Settings

Please specify the additional settings for the Setup

Use https for websites and webservice (IIS and Tomcat) on standard ports 443 and 8443?

IIS

Certificate file	<input type="text" value="C:\BlackChair\InstallFiles\blackchair.pfx"/>	<input type="button" value="Browse..."/>
Certificate Password	<input type="text" value="blackchair"/>	

Tomcat

Certificate file	<input type="text" value="C:\BlackChair\InstallFiles\blackchair.pfx"/>	<input type="button" value="Browse..."/>
Certificate Password	<input type="text" value="blackchair"/>	

NB: To protect the generated certificate please type the password on IIS Certificate Password field otherwise a default password 'blackchair' will be used

NB: the self signed certificate will require to be replaced by a provided customer certificate. This process is described in the Commissioning section of this guide

Log Purge Settings

- Enter the number of days to keep spotlight log files
- Select **Next**

Log purge settings

Please choose the number of days to keep the logs for on the selected logs folder. Files older than the specified number below will be deleted.

Keep log files for: days.

Current logs path is: 'C:\Blackchair\Log's'

Review

The **Review** page lists the Environment values that will be populated into the **sconfig** database **EnvironmentKV** table during the installation process.

- Review these for errors
- Adjust manually if desired

Additional Key Values can be added if required. Please reach out to Blackchair to understand when it would be necessary to add new key values.

To add a new key value:

- Select the last line of the table, where the key value is blank - a drop down will appear
- Choose the applicable key value
- Enter a value in the **Value** field

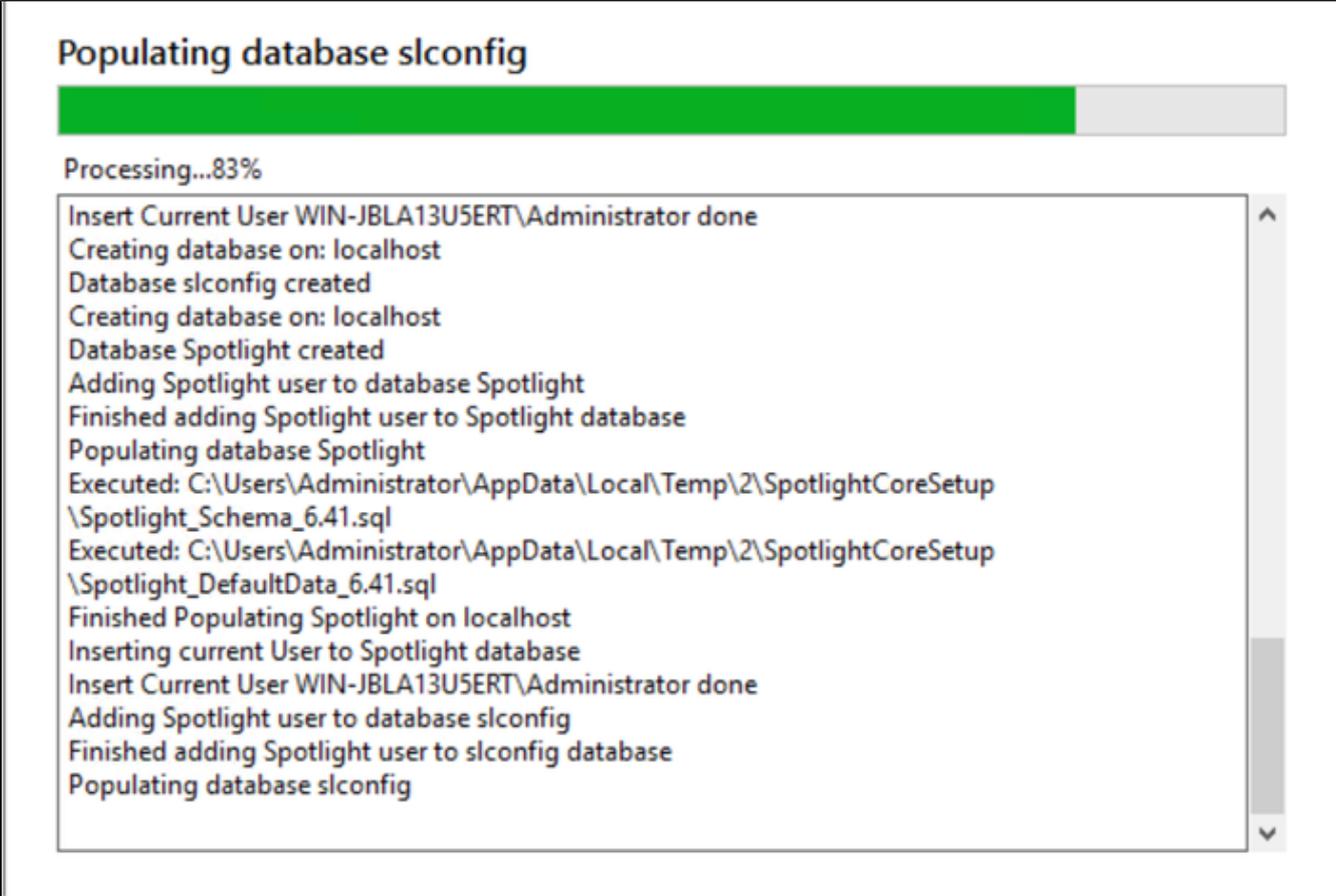
	Key	Value
▶	ENV_DB_BASE_URL	https://WIN-JBLA13U5ERT/Spotlight
	ENV_DB_URL	Data Source=localhost;Initial Catalog=Spotlight;Persist Security Info=...
	ENV_DB_URL_JAVA	jdbc:jtds:sqlserver://localhost/Spotlight/?loginTimeout\= 10
	ENV_DB_USERNAME	spotlight
	ENV_DB_PASSWORD	NYQ5otd5n0lnRYSlvk1cnQ==

- Select **Next** to begin the installation

Progress

During installation, the progress of the following steps is displayed on screen

- Database Creation

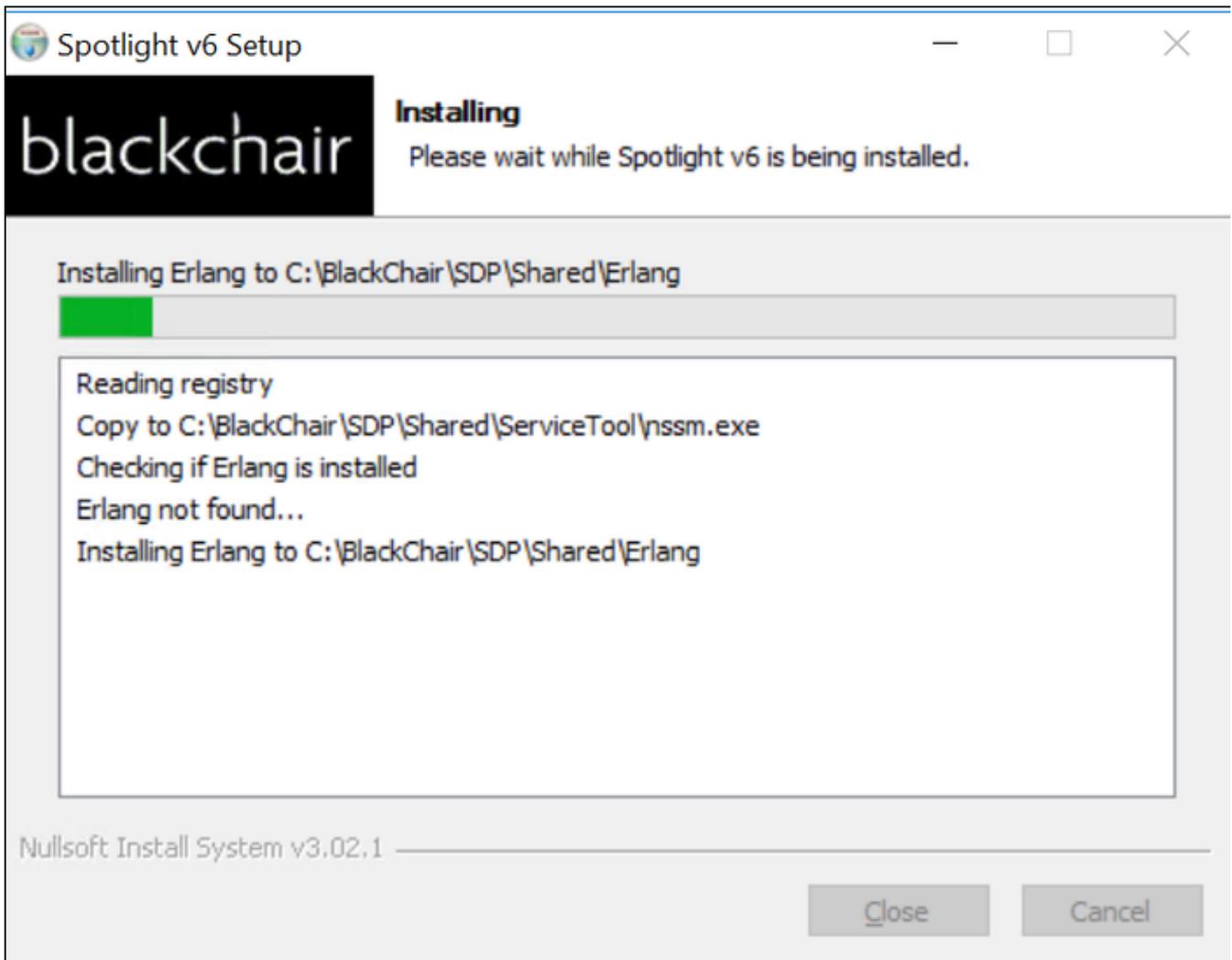


Populating database slconfig

Processing...83%

```
Insert Current User WIN-JBLA13U5ERT\Administrator done
Creating database on: localhost
Database slconfig created
Creating database on: localhost
Database Spotlight created
Adding Spotlight user to database Spotlight
Finished adding Spotlight user to Spotlight database
Populating database Spotlight
Executed: C:\Users\Administrator\AppData\Local\Temp\2\SpotlightCoreSetup
\Spotlight_Schema_6.41.sql
Executed: C:\Users\Administrator\AppData\Local\Temp\2\SpotlightCoreSetup
\Spotlight_DefaultData_6.41.sql
Finished Populating Spotlight on localhost
Inserting current User to Spotlight database
Insert Current User WIN-JBLA13U5ERT\Administrator done
Adding Spotlight user to database slconfig
Finished adding Spotlight user to slconfig database
Populating database slconfig
```

- Software Installation



- When complete, select **Close**

Finish

- Select the relevant check boxes to
 - Launch Spotlight
 - Launch CND
 - View Installation Log
- Select **Finish**

Congratulations!

Spotlight Core and all required components are installed!

- Launch Spotlight
- View Installation Log

Finish

Commissioning

Website/Users

The account used to install Spotlight is automatically an administrator of Spotlight. Instructions on how to add further users can be found in the [Spotlight Admin Guide](#)

Replace Self Signed Certificate

If a Self Signed Certificate was created during the install process, the client may subsequently provide another certificate to use. To replace the certificate currently in use, follow the summary process below

- Export the new certificate from **IIS**

- Locate the Spotlight ..\Tomcat\conf directory
- Copy the exported certificate to this directory
- Adjust the certificate name and password in the **server.xml** file
- Save the file
- Restart **Tomcat** and **IIS**

Please refer to the [IIS Tomcat guide](#) for full instructions.

NB: this guide details full instructions including the process to to create the self signed certificate and how to configure IIS for https - which do not need to be followed in this instance/

Troubleshooting

Spotlight Config Files Environment/Services

During the Core Installer process, the tool should install and start three services as follows

- Spotlight-ConfSrv
- Spotlight-Consumer
- Spotlight-Producer

If these services have not been installed, please follow the process below to create the services and load Spotlight Config data into the SpotlightConfigFiles environment

- Open CMD with admin privileges
 - Navigate to the following folder - **INSTALLDIR\SDP**
 - Run "**create_services .bat SDP Folder Path**" , eg create_services c:\Blackchair\SDP
 - The services will now be installed
 - Start the **Spotlight-ConfServ** service
-
- Browse to <http://localhost:8888/swagger-ui.html>
 - Open the Configuration-controller POST method - <http://localhost:8888/swagger-ui.html#!/configuration45controller/setConfigUsingPOST>



Api Documentation 1.0

[Base URL: localhost:8888/]

<http://localhost:8888/v2/api-docs>

Api Documentation

[Terms of service](#)

[Apache 2.0](#)

application-register-controller Application Register Controller

basic-error-controller Basic Error Controller

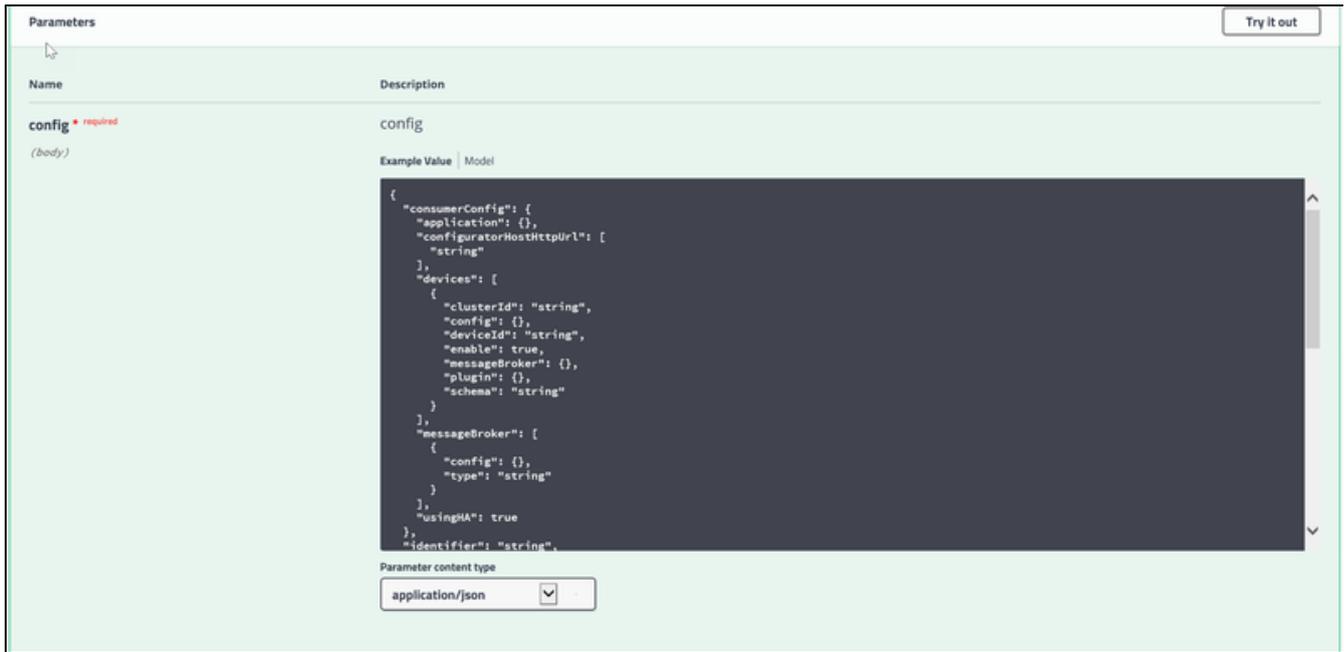
configuration-controller Configuration Controller

device-controller Device Controller

device-history-controller Device History Controller

federation-controller Federation Controller

- On the config parameter put the entire text from the INSTALLDIR\InstallFiles\sdpconfigpayload.json so it should look something like.
NB - this data may already be there if the services were created.



- Select **TRY IT OUT** - Code 200 should be returned
- Next we have to start the baseline for the **SpotlightConfigFiles** to do so navigate to <http://localhost:8888/swagger-ui.html#!/sync45controller/syncUsingPOST>
- Select **TRY IT OUT**
- On identifier write "**SPIT_Conf**" (without quotes)
- On deviceId write "**SpotlightFileAudit**" (without quotes)
- On startSyncRequest put "{action": "BASELINE", "metaData": {}, "objects": ["txt", "dat", "xml", "json", "config", "properties"]}" (without quotes)
- Select **Execute**
- Code 200 should be returned and the message should be "The sync for plugin with id: SpotlightFileAudit has been started. ID: *****"

Spotlight Environment Wizard

Further Environments can be added to Spotlight Configuration Management using the **Spotlight Environment Wizard**

Upgrade Spotlight

The Core Installer can be used to upgrade the following components of Spotlight

- User Interface
- Tomcat
- SDPFW components

This option is only available when a version installed using the **Core Installer** is detected (normally **Spotlight 6.44** or above)

To upgrade Spotlight:

- Select the **Upgrade Spotlight** check box

Components:

Uninstall Spotlight Components Upgrade Spotlight to 6.45.1

Consolidated Notification Dashboard 7.4.0

- Select **Next**
- Ensure the correct **slconfig** database is selected

Upgrade Spotlight

Setup gathered the following information about your system.

Slconfig in use:

Blackchair Folder:

- The Setup button can also be used to select the slconfig from the list of databases - once the server name, username and password are entered

Set up database connection

Data source:

Microsoft SQL Server (SqlClient)

Change...

Server name:

192.168.3.4

Refresh

Log on to the server

- Use Windows Authentication
- Use SQL Server Authentication

User name: spotlight

Password: ●●●●●●●●

Save my password

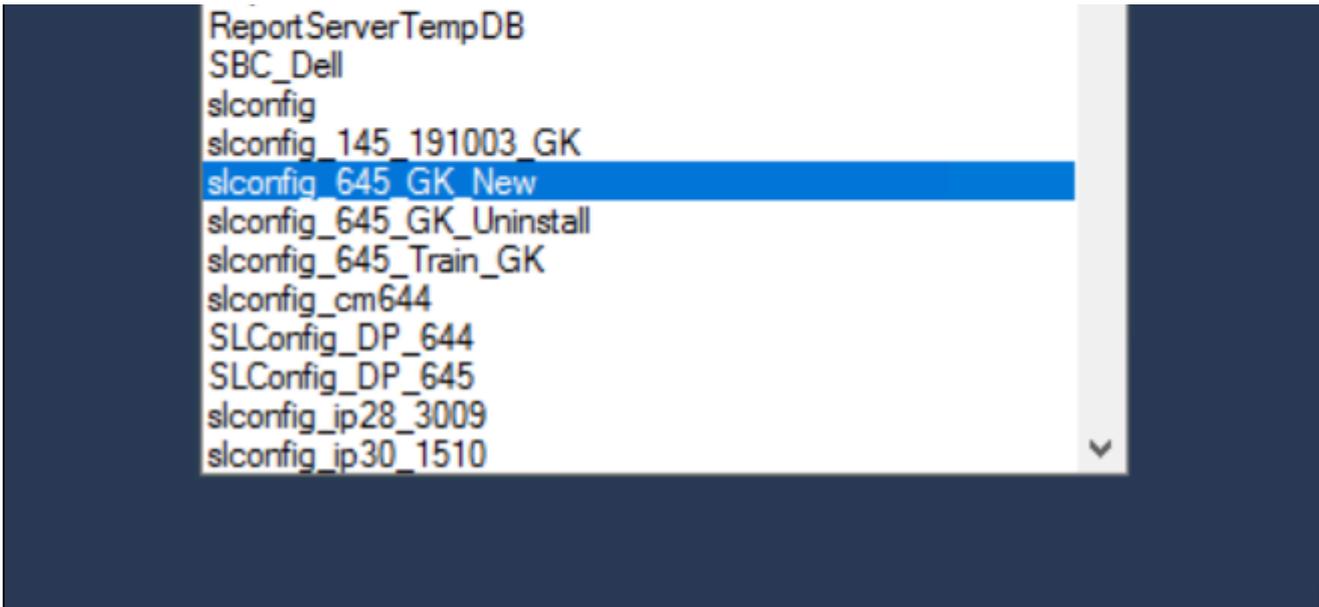
Connect to a database

Select or enter a database name:

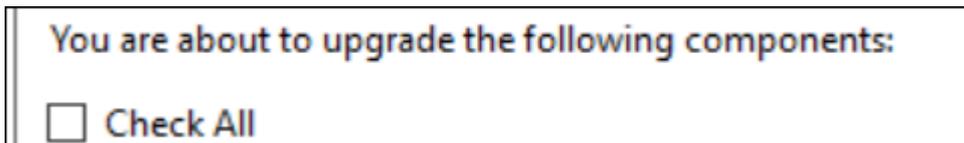
austenslconfig
AustenSpotlightConfigFiles
AustenSpotlightPureCloud
Avaya_BRE
Dell_demo_slconfig
Dell_demo_spotlight
Dell_SBC_Demo
master
MFslconfigIP13
MFslconfigIP30
MFSpotlightConfigFilesIP13
MFSpotlightConfigFilesIP30
MFspotlightCUCM11IP13
MFspotlightSBCIP30
model
msdb
PureEngageMC55
ReportServer

5_GK_U

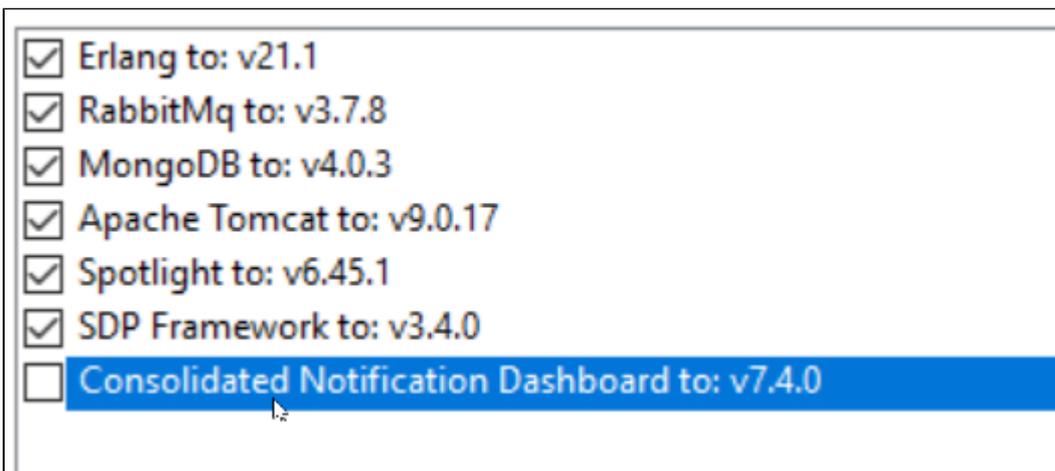
Test



- The list of components that will be upgraded are displayed
- Select "**Check All**" unless you do not wish to upgrade some components, in which case select the components individually



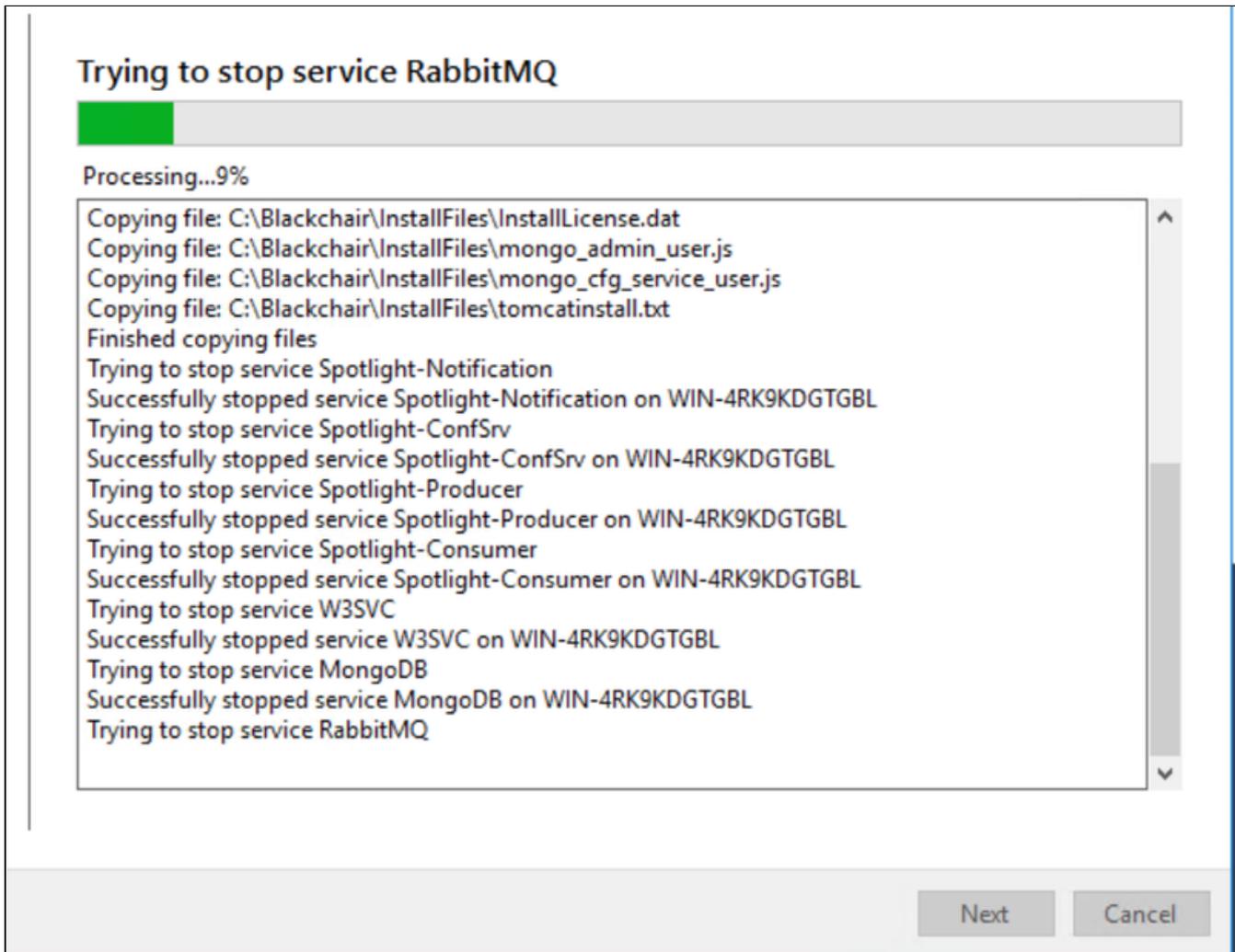
- In addition to upgrading, the option to install Consolidated Notification Dashboard can also be selected



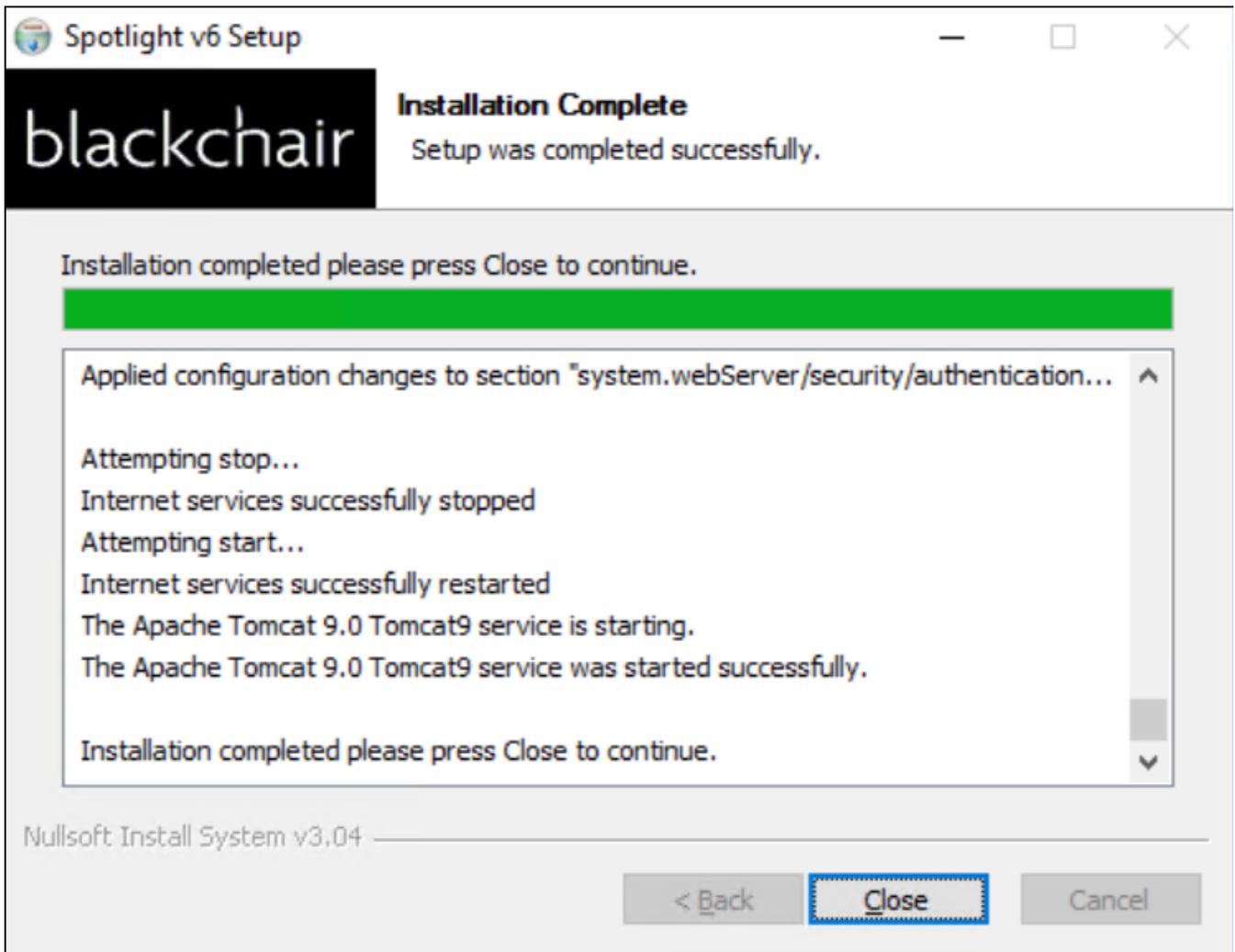
- Select the upgrade mode **Automatic** or **Attended** using the relevant check boxes

NB - Currently Automatic is the only option available

- If **Automatic** is chosen, select **Next**
- The next screen will display the progress as services are stopped and components are upgraded



- Select **Close**



- When the upgrade is complete you are presented with the following options
 - Launch Spotlight
 - Launch CND (If Installed)
 - View Installation Log
 - Restart Computer - recommended if erlang/rabbit are upgraded

Upgrade Completed

Spotlight and all components are upgraded!

- Launch Spotlight
- Launch CND
- View Installation Log
- Restart Computer

- To close the Core Installer, select **Finish**
- During the upgrade process, the folder containing the original installation components will be backed up

- If **Attended** was chosen, select **Next**
- The user will then have the option to change settings as part of the upgrade such as SMTP settings. This is liked uninstalling and then reinstalling Spotlight. Refer to earlier sections of this guide for instructions on the installation process

Uninstall Spotlight

To uninstall Spotlight:

- Open the **Spotlight Core Installer**
- On the Welcome screen, select the check box - **Uninstall Spotlight (version number)**

Welcome to Spotlight Core Setup

Setup will guide you through the installation of Spotlight Core.

It is recommended that you close all other applications before starting Setup.
This will make it possible to update relevant system files without having to reboot your computer.

Please choose the desired options and click Next to continue.

Components:

Uninstall Spotlight v6.45.0

- Select **Next**
- Ensure the correct **slconfig** database is selected

Uninstall Spotlight

Setup gathered the following information about your system.

Slconfig in use: Data Source= 192.168.3.4;Initial Catalog=slconfig_645_GK_Uninstall;

Setup...

Blackchair Folder: C:\Blackchair

- The Setup button can also be used to select the slconfig from the list of databases - once the server name, username and password are entered

Set up database connection

Data source:

Microsoft SQL Server (SqlClient)

Change...

Server name:

192.168.3.4

Refresh

Log on to the server

- Use Windows Authentication
- Use SQL Server Authentication

User name: spotlight

Password: ●●●●●●●●

Save my password

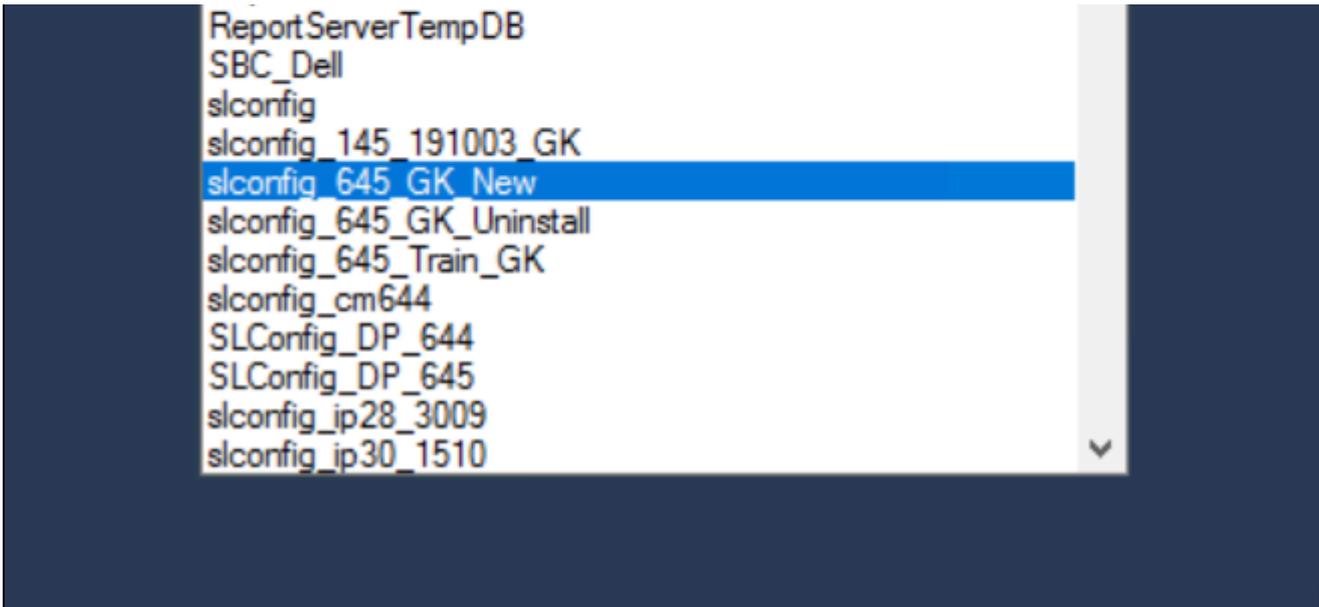
Connect to a database

Select or enter a database name:

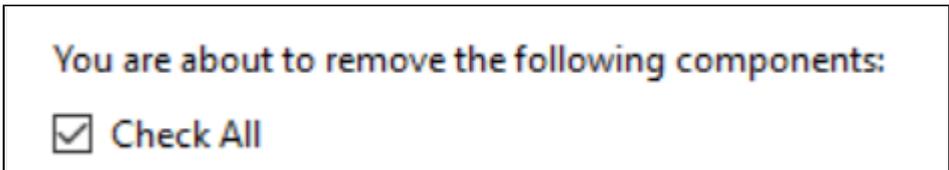
austenslconfig
AustenSpotlightConfigFiles
AustenSpotlightPureCloud
Avaya_BRE
Dell_demo_slconfig
Dell_demo_spotlight
Dell_SBC_Demo
master
MFslconfigIP13
MFslconfigIP30
MFSpotlightConfigFilesIP13
MFSpotlightConfigFilesIP30
MFspotlightCUCM11IP13
MFspotlightSBCIP30
model
msdb
PureEngageMC55
ReportServer

5_GK_U

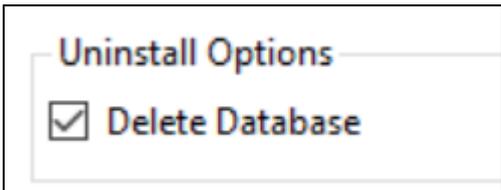
Test



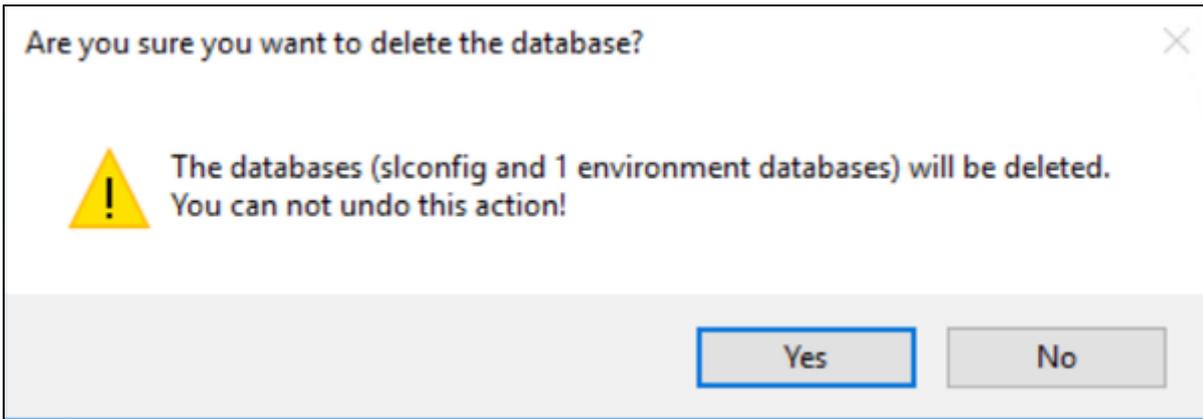
- The list of components that will be removed are displayed
- Select "**Check All**" unless you want to keep some components, in which case select the components individually



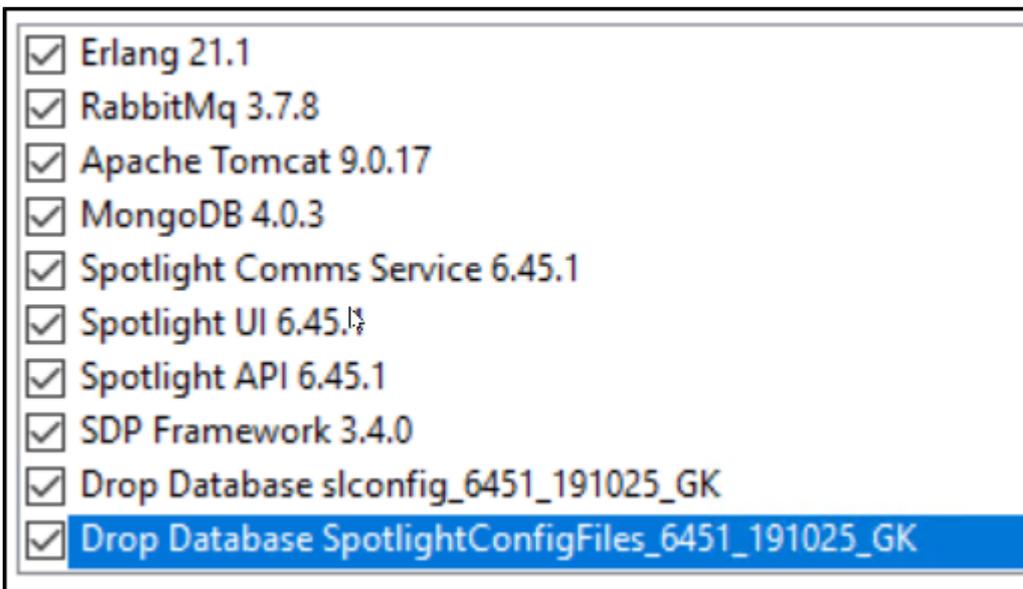
- In **Uninstall Options**, select the check box - **Delete Database**. If this is not selected, the databases will be retained



- Select **Yes** to proceed at the confirmation message



- The list of components to be removed will be updated to include the **slconfig** database and any **environmental** databases, ensure "**Drop Database**" is selected



- Select **Next**
- The next screen will display the progress as services are stopped and components are removed

Backing up C:\Blackchair to C:\Blackchair_20191017013400



Processing...9%

```
Trying to stop service RabbitMq
Successfully stopped service RabbitMq on WIN-4RK9KDGTGBL
Trying to stop service Tomcat9
Successfully stopped service Tomcat9 on WIN-4RK9KDGTGBL
Trying to stop service MongoDB
Successfully stopped service MongoDB on WIN-4RK9KDGTGBL
Trying to stop service W3SVC
Successfully stopped service W3SVC on WIN-4RK9KDGTGBL
Backing up C:\Blackchair to C:\Blackchair_20191017013400
```

- During the uninstall process, the folder containing the original installation components will be backed up

Backing up C:\Blackchair to C:\Blackchair_20191017013400



Processing...9%

```
Trying to stop service RabbitMq
Successfully stopped service RabbitMq on WIN-4RK9KDGTGBL
Trying to stop service Tomcat9
Successfully stopped service Tomcat9 on WIN-4RK9KDGTGBL
Trying to stop service MongoDB
Successfully stopped service MongoDB on WIN-4RK9KDGTGBL
Trying to stop service W3SVC
Successfully stopped service W3SVC on WIN-4RK9KDGTGBL
Backing up C:\Blackchair to C:\Blackchair_20191017013400
```

> This PC > Local Disk (C:) > Blackchair_20191018113359 >

Name	Date modified	Type
CommsServer	18/10/2019 11:34	File folder
IIS	18/10/2019 11:34	File folder
InstallFiles	18/10/2019 11:34	File folder
Loaders	18/10/2019 11:34	File folder
LogPurge	18/10/2019 11:34	File folder
Logs	18/10/2019 11:34	File folder
RMUploadFiles	18/10/2019 11:34	File folder
SDP	18/10/2019 11:35	File folder
Software	18/10/2019 11:39	File folder
Tomcat	18/10/2019 11:40	File folder

- A confirmation will be displayed when complete
- The original Blackchair folder will remain - however it will only include the Software sub folder and any files that were contained within