## Installing/Configuring SharePoint Server 2013

**Lab Time**: 30 minutes

**Lab Folder**: **c:\Student\Modules\Install\Lab**

**Lab Overview**: In the following lab, you will learn how to install SharePoint Server 2013 and create a new on-premises farm.

### Exercise 1: Create Dedicated Service Accounts in Active Directory

In this first exercise, you will create the new user accounts in the **wingtip.com** domain that will act as service accounts for the SharePoint farm you will be working with throughout this track of lab exercises. You will create these accounts by running a Windows PowerShell script.

1. Ensure you are logged onto the **WingtipServer** VM. If you are not, log on using the user account **WINGTIP\Administrator** and a password of **Password1**.
2. In the Windows Explorer, navigate to c:\Student\Modules\Install\. Inside this directory you should be able to locate a Windows PowerShell script named CreateWingtipServiceAccounts.ps1.
3. Now you will run the Windows PowerShell script named CreateWingtipServiceAccounts.ps1. When you run this script, itwill create the following three service accounts in the wingtip.com domain.
   1. SP\_Farm: the account used by the Central Administration web application and other farm-privileged worker processes.

SP\_Services: the account is used to run service applications.

SP\_Content: the account is used for web applications with user content.

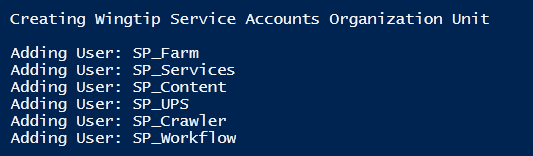
SP\_UPS: the account is used by the User Profile Synchronization service to access Active Directory user accounts.

SP\_Crawler: the account used by the search service to crawl content while building the search indexes.

SP\_Workflow: the account user by Workflow Manager to configure workflow services and manage workflow instances.

In some production environments, SharePoint administrators like to create a dedicated SharePoint install account with a name such as **SP\_Install**. The main idea is that you use this dedicated user account to run the run the installation program for SharePoint Server 2013 and to apply service packs as they are released. The use of a dedicated SharePoint install account was more critical with SharePoint 2007 but has become less important in SharePoint Server 2010 and SharePoint 2013 because the pass phrase used during the creation of a farm solves a problematic issue that existed in SharePoint 2007.

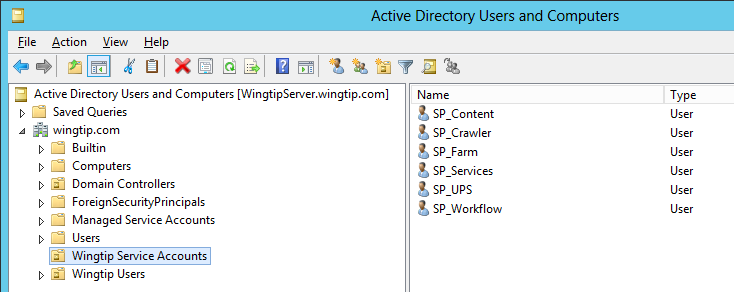
1. Right click on CreateWingtipServiceAccounts.ps1 and click the menu command titled **Run with PowerShell**. Running the script should produce the following output in the console window.



1. Upon the script’s completion, the six service accounts should have been created in Active Directory. You can verify this by making sure you can see the accounts inside Active Directory.
   1. Click on the **Windows** key to display the **Windows Start** page.
   2. Locate and click the tile with the caption **Active Directory Users and Computers**.

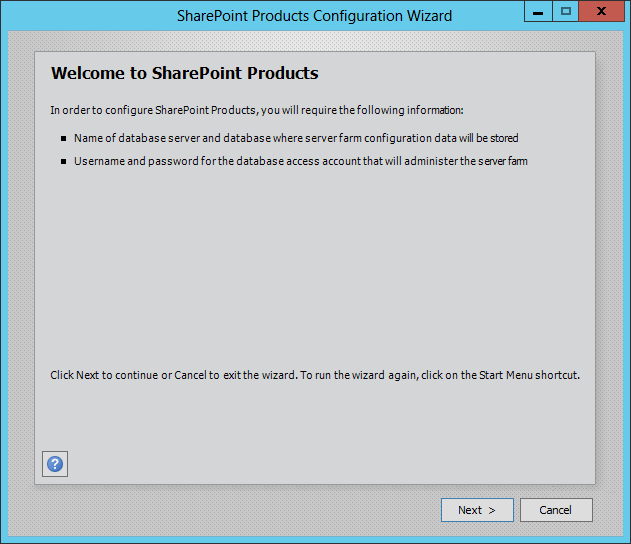
Expand the wintip.com node if is not expanded already.

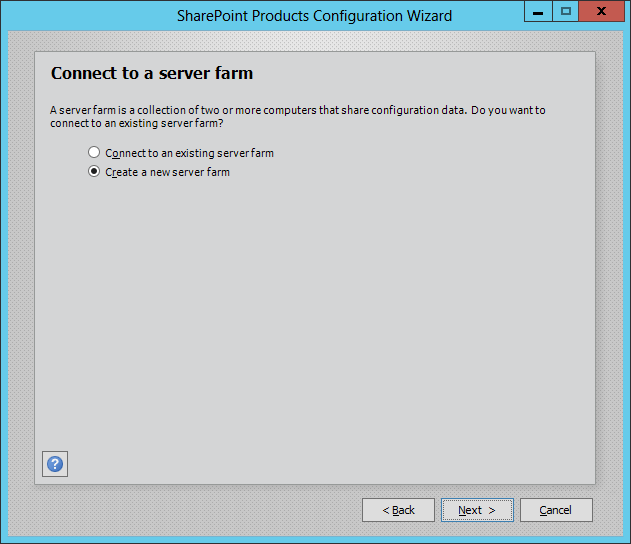
Select the Wingtip Service Accounts group. Here you should see the six service accounts.



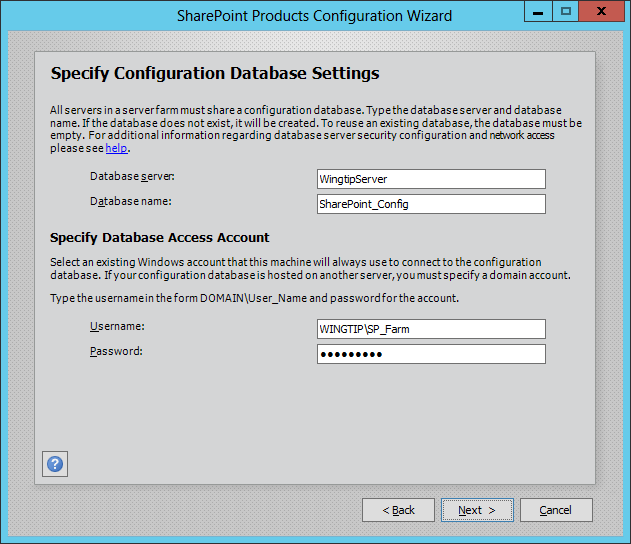
### Exercise 2: Configure SharePoint Server 2013

In this section you will Configure SharePoint Server 2013. (Note: we have already run the **prerequisiteinstaller.exe** and **setup.exe** files during the course setup so we can now pick up with the configuration of SharePoint 2013).

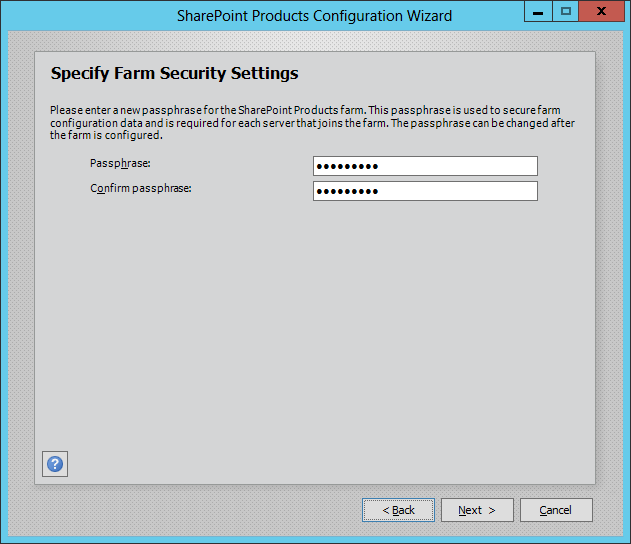
1. Press the **Windows Key** to open the **Start** menu.
2. On the **Start** menu find the **SharePoint 2013 Products Configuration Wizard** tile and click on it  
   
3. On the **Welcome to SharePoint Products** page, click **Next**.  
   
   1. If prompted to start or reset services, click **Yes**.
4. On the **Connect to a server farm** page, select **Create a new server farm** and click **Next**.



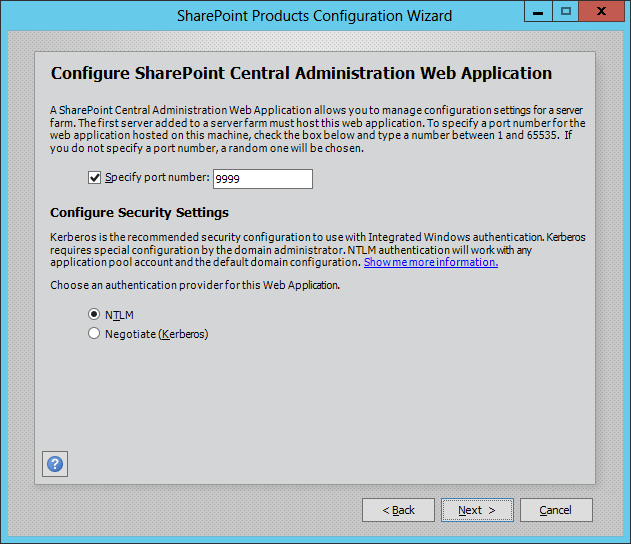
1. On the **Specify Configuration Database Settings** page, use the following to complete the page and click **Next**:
   1. Database server: **WINGTIPSERVER**
   2. Database name: **SharePoint\_Config**
   3. Username: **WINGTIP\SP\_farm**
   4. Password: **Password1**



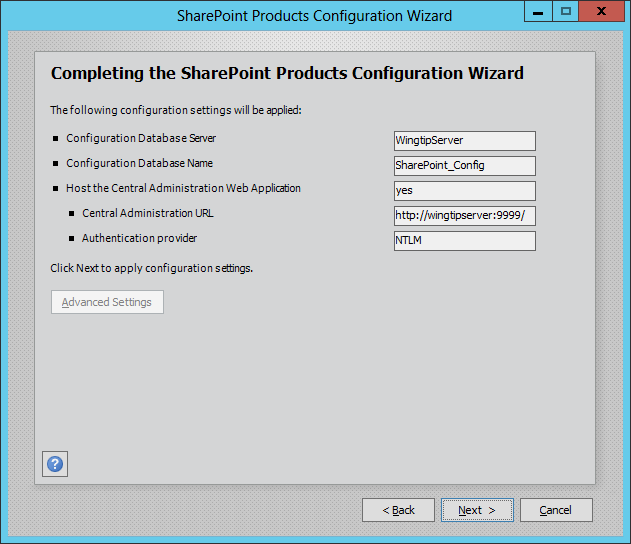
1. On the **Specify Farm Security Settings** page, enter **Password1** into both textboxes and click **Next**.



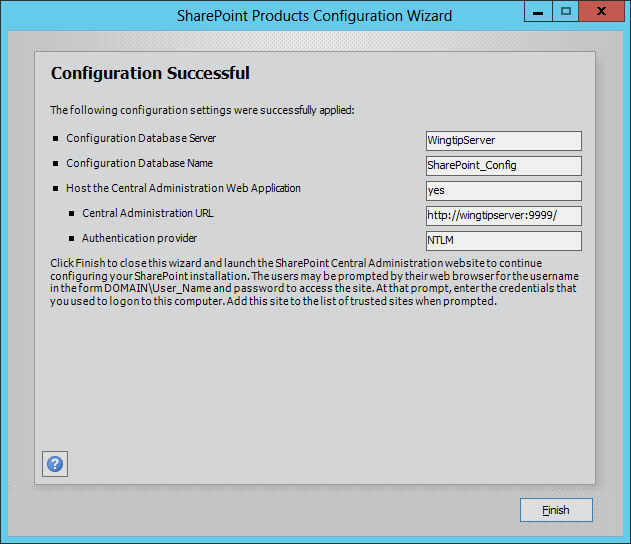
1. On the **Configure SharePoint Central Administration Web Application** page, check the **Specify port number** checkbox and enter a value of **9999**, then Click **Next**.



1. On the Completing the SharePoint Products Configuration Wizard page, click **Next**.



1. When the installer completes, it will display the **Confirmation Successful** page:



1. Click **Finish**. This will launch Internet Explorer at a page which will prompt you to continue the configuration process. However, you will not go through any more configuration steps in this exercise.
2. Close the Internet Explorer window which was launched at the end of the SharePoint Server 2013 installation program. Close any other Internet Explorer windows that are open on the **WingtipServer** VM.

At this point you have successfully configured the base install of SharePoint Server 2013. If you have more time, move on to the last exercise where you will be instructed how to navigate around in the Central Administration site to become more familiar with the pages behind the links on the home page.

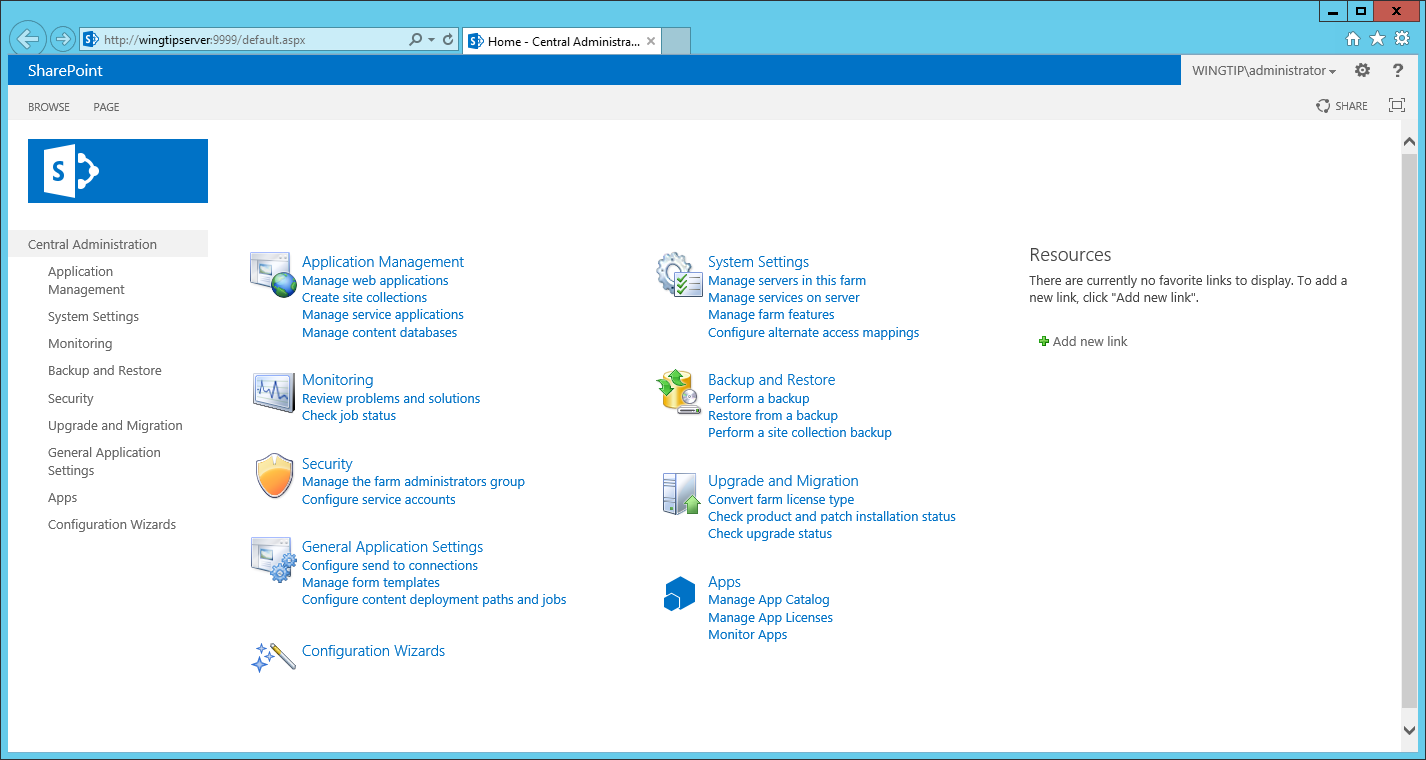
### Exercise 3: Getting Around in Central Administration

In this exercise you will become familiar with SharePoint 2013 Central Administration.

1. Ensure you are logged onto the VM named **WingtipServer** under the user account **WINGTIP\Administrator**.
2. Navigate to the **Central Administration** site.
   1. Click on the **Windows** key to display the **Windows Start** page.
   2. Somewhere on the Windows start page you should be able to locate three different tiles related to SharePoint 2013. The tile with the wrench and the hammer is the one you should click to launch the Internet Explorer and navigate to Central Administration.



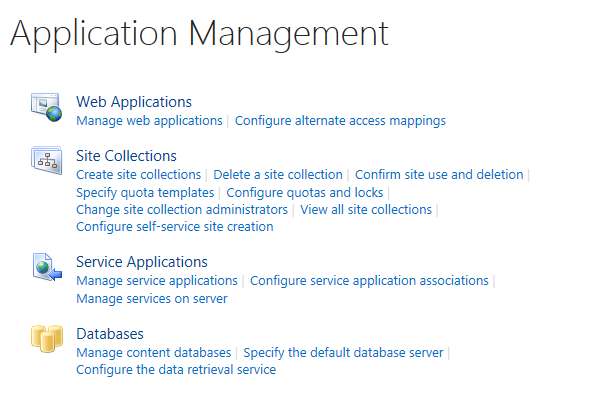
1. At this point you should be at the home page of the **Central Administration** site.

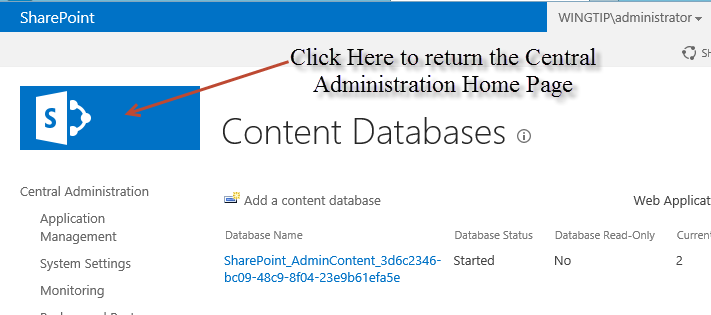


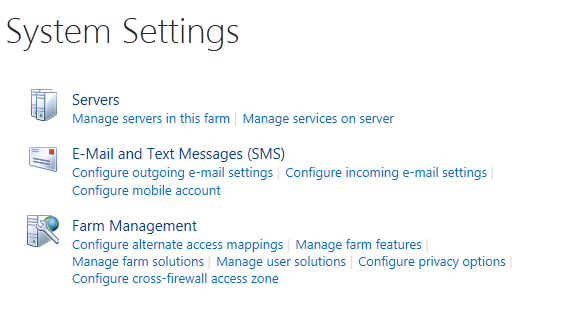
1. Examine the links on the home page of **SharePoint 2013 Central Administration** and locate each these sections:
   1. Application Management
   2. System Settings
   3. Monitoring
   4. Backup and Restore
   5. Security
   6. Upgrade and Migration
   7. General Application Settings
   8. Apps
   9. Configuration Wizards

The most-commonly used links are listed under each section heading, but alternatively you can also click one of the section headings such as **Application Management**, which will bring you to a specific page where links for more related options are listed.

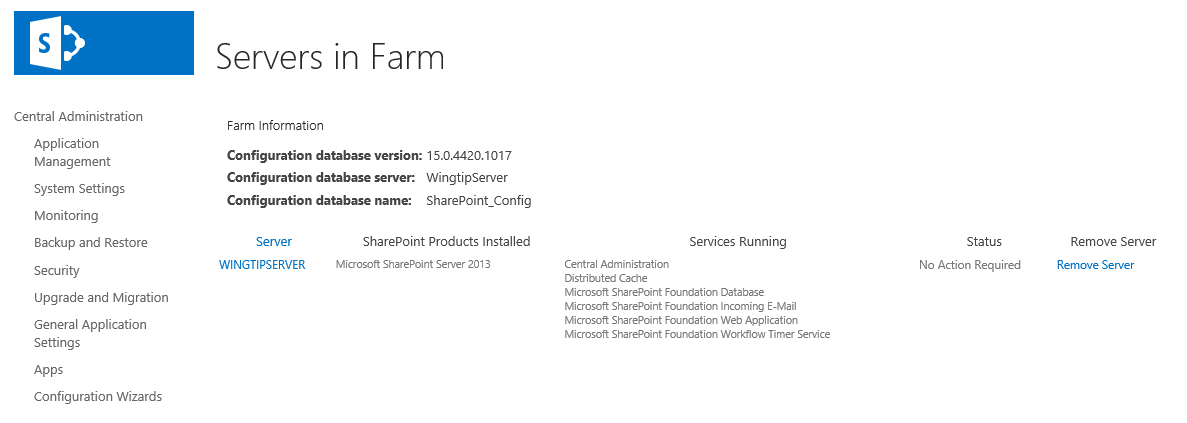
1. Click the **Application Management** link to navigate to the Application Management page.



1. Now examine some of the page behind the links on the **Application Management** page
   1. Click the **Manage web applications** link to manage existing web applications and to create new web applications.
   2. Return to the **Application Management** page and click the **View all site collections** hyperlink in the **Site Collection** section. This page allows you to see a list of existing site collections for a specific web application. However, there is nothing to see yet because you have not yet created a web application into which you can add new site collection.
   3. Return to the **Application Management** page and click the **Manage content databases** hyperlink. On this page all content databases are listed per web application.
   4. Return to the **Application Management** page. Clicking the Specify the default database server would allow you to change the database server. The Service Applications will be explained in the 3rd exercise.
   5. Return to the Central Administration home page by clicking on the **SharePoint 2013 logo** as shown in this image below:  
      
2. Click the **System Settings** hyperlink.

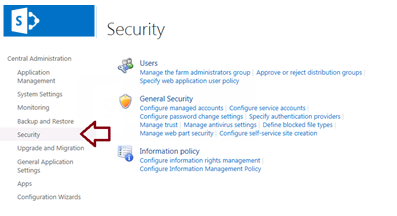


1. The **Systems Settings** page allows you to manage the different system settings.
   1. Using the **Manage servers in this farm** hyperlink would allow you to manage the servers in the farm. For the scenario in this set of lab exercises, you will see that the **WingtipServer VM** is the only server within the local farm.

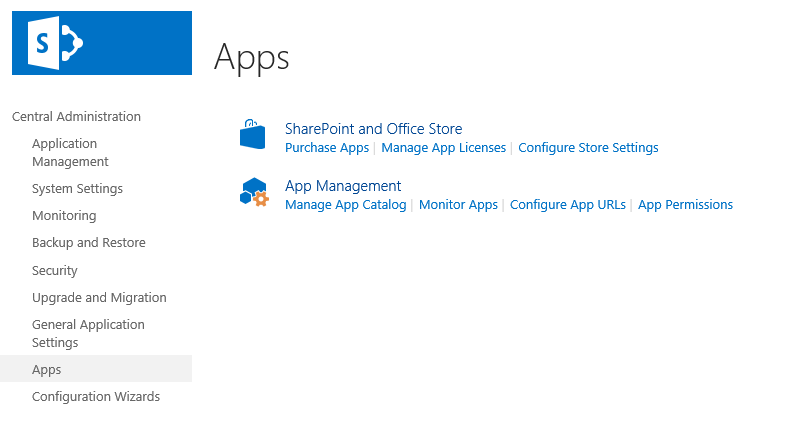


* 1. Also on the **Systems Settings** page, under the **Farm Management** section you find several links to manage farm features, farm solutions user solutions, etc. Explore these areas at time allows.

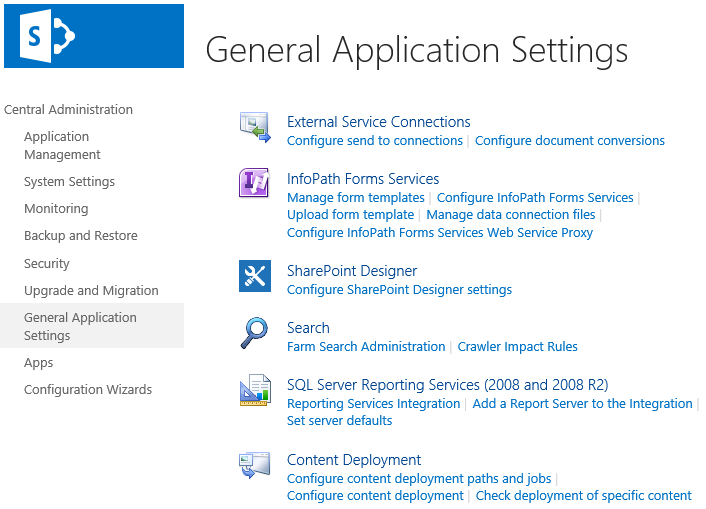
1. Click the **Security** hyperlink in the quick launch. This avoids going back to the **Central Administration** home page.



1. In this page you can manage everything that has to do with security:
   1. Manage farm administrators
   2. Configure managed accounts
   3. Specify authentication providers
   4. Configure self-service site creation
   5. Configure information rights management
   6. Configure Information Management Policy
2. Click the **Apps** hyperlink in the quick launch.
   1. You should be able to see links under two section headings which are **SharePoint and Office Store** and **App Management**.



* 1. Click the **General** **Application Settings** hyperlink in the quick launch. From here you can configure settings for External Service Connections, InfoPath , SharePoint Designer, Search, and Content Deployment.



1. Return to the **Central Administration** home page.

In this exercise you became more familiar with the layout of the administrative pages in SharePoint 2013 Central Administration.