Module 8: Managing users and permissions, and securing content

Lab A: Managing users and groups

Exercise 1: Creating a web-application policy

- Task 1: Create Active Directory security groups
- Sign in to the 20339-1A-NYC-DC1-E virtual machine as Contoso\administrator with the password Pa\$\$w0rd.
- 2. On the **Start** screen, type **Active Directory Administrative Center**, and then press Enter.
- 3. In Active Directory Administrative Center, click Contoso (local).
- 4. In the Contoso (local) management list, select the IT organizational unit.
- 5. In the **Tasks** pane, under **IT**, click **New**, and then click **Group**.
- 6. In the Create Group dialog box, in the Group name box, type SharePoint Content Auditors.
- 7. Verify that the **Group (SamAccountName) name** box has populated correctly.
- 8. Under **Group type**, verify that **Security** is selected.
- 9. Under **Group scope**, verify that **Global** is selected.
- 10. Under Members, click Add.
- 11. In the Select Users, Contacts, Computers, Service Accounts, or Groups dialog box, in the Enter the object names to select text box, type lela@contoso.com, and then click OK.
- 12. In the Create Group dialog box, click OK.
- 13. In the Tasks pane, under IT, click New, and then click Group.
- 14. In the Create Group dialog box, in the Group name text box, type SharePoint Deny Access.
- 15. Verify that the **Group (SamAccountName)** name text box has populated correctly.
- 16. Under **Group type**, verify that **Security** is selected.
- 17. Under **Group scope**, verify that **Global** is selected.
- 18. Under Members, click Add.
- 19. In the Select Users, Contacts, Computers, Service Accounts, or Groups dialog box, in the Enter the object names to select text box, type megan@contoso.com, and then click OK.
- ► Task 2: Create a Content Auditor web-application permission policy
- Sign in to the 20339-1A-NYC-SP1-E virtual machine as Contoso\administrator with the password Pa\$\$w0rd.
- 2. On the **Start** screen, type **Central Administration**, and then press Enter.
- 3. In Central Administration, click **Manage web applications**.
- 4. On the **Web Application Management** page, **click SharePoint sharepoint.contoso.com80**, and then on the ribbon, click **Permission Policy**.
- 5. In the Manage Permission Policy Levels dialog box, click Add Permission Policy Level.

Managing users and permissions, and securing content 6. In the second Manage Permission Policy Levels dialog box, in the Name text box, type Content

- Auditors, under Site Collection Permissions, select the Site Collection Auditor check box.
- 7. Under Site Permissions, locate the Edit Personal User Information row, and in that row, select the Grant check box, and then click Save.
- 8. In the **Manage Permission Policy Levels** dialog box, click **OK**.

Note: When you grant Edit Personal User Information permission, you will see that the Browse User Information and Open permissions are both granted automatically because Edit Personal User Information is dependent on those other abilities.

► Task 3: Create web-application user policies

- Click SharePoint sharepoint.contoso.com80, and then on the ribbon, click User Policy.
- In the **Policy for Web Application** dialog box, click **Add Users**.
- 3. In the second Policy for Web Application dialog box, from the Zones drop-down list, select (All zones) and click Next.
- Under Choose Users, in the Users text box, type CONTOSO\SharePoint Content Auditors. 4.
- 5. Under Choose Permissions, select the Content Auditors check box, and then click Finish.
- 6. In the **Policy for Web Application** dialog box, click **Add Users**.
- 7. In the second Policy for Web Application dialog box, from the Zones drop-down list, select (All zones), and click Next.
- Under Choose Users, in the Users text box, type CONTOSO\Harriet.
- 9. Under Choose Permissions, select the Full Read- Has full read-only access check box, and then click Finish.
- 10. In the **Policy for Web Application** dialog box, click **Add Users**.
- 11. In the second Policy for Web Application dialog box, from the Zones drop-down list, select (All zones), and click Next.
- 12. Under Choose Users, in the Users text box, type CONTOSO\SharePoint Deny Access.
- 13. Under Choose Permissions, select the Deny All Has no access check box, and then click Finish.

14. In the **Policy for Web Application** dialog box, click **OK**.

► Task 4: Verify the behavior of the SharePoint web-application policies

- 1. In Internet Explorer, browse to http://sharepoint.contoso.com.
- In the Windows Security dialog box, in the User name box, type Harriet, in the Password box, type Pa\$\$w0rd, and then click OK.
- 3. Click the user name **Harriet Aguirre**, and then click **My Settings**.
- 4. Verify that the **Edit Item** button does not appear, and then click **Documents**.
- 5. Verify that the **Add Item** button does not appear.
- 6. Close Internet Explorer.
- 7. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 8. In the Windows Security dialog box, in the User name box, type Lela, in the Password box, type Pa\$\$w0rd, and then click OK.

- 9. Click the user name **Lela Henderson**, and then click **My Settings**.
- 10. Verify that the **Edit item** button does not appear.
- 11. Click Documents.
- 12. Verify that the **Add Item** button does not appear.

Note: Note that Harriet's Full Read permissions are very similar to Lela's Content Auditor permissions. However, content auditors were granted the ability to edit personal information.

- 13. Close Internet Explorer.
- 14. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 15. In the Windows Security dialog box, in the User name box, type megan, in the Password box, type Pa\$\$w0rd, and then click OK.
- 16. Verify you receive the message Sorry, this site hasn't been shared with you.
- 17. Close Internet Explorer.

Results: After completing this exercise, you should have created a new web application policy, and associated Active Directory security groups with web application policies.

Exercise 2: Creating and managing SharePoint groups

- ► Task 1: Add a user to a site's Members group
- 1. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 2. In the Windows Security dialog box, in the User name box, type administrator, in the Password box, type Pa\$\$w0rd, and then click OK.
- 3. Click **Settings**, and then click **Site settings**.
- 4. On the Site Settings page, under Users and Permissions, click People and groups.
- 5. On the Contoso Intranet Portal Members page, click New.
- 6. In the Share 'Contoso Intranet Portal' dialog box, in the Enter names, email addresses, or 'Everyone' text box, type lela@contoso.com, and then click Share.
- 7. Close Internet Explorer.
- ► Task 2: Verify that the member has the permissions required to edit content
- 1. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 2. In the Windows Security dialog box, in the User name box, type lela, in the Password box, type Pa\$\$w0rd, and then click OK.
- 3. Navigate to the **Documents** library.
- 4. Verify that you are able to add a new document (the **new document** link appears in the document library).
- 5. Click New.
- 6. In the **Add a document** dialog box, click **Browse**.

L8-38 Managing users and permissions, and securing content

- J
- In the Choose File to Upload dialog box, browse to the E:\LabFiles\Mod08 folder, click SampleDocument.docx, and then click Open.
- 8. In the Add a document dialog box, click OK.
- 9. In the **Sample Document** row, click the ellipsis (...) button, and verify that the **EDIT** option is available.
- 10. In the **SampleDocument** row, click the ellipsis (...) button, in the **Sample Document.docx** dialog box, click the ellipsis (...) button, click **Properties**, and then verify you can edit the properties.
- 11. Close Internet Explorer.

► Task 3: Add a user to a site's Visitors SharePoint group

- 1. In Internet Explorer, in the address bar, type http://sharepoint.contoso.com, and then press Enter.
- 2. In the **Windows Security** dialog box, in the **User name** box, type **administrator**, in the **Password** box, type **Pa\$\$w0rd**, and then click **OK**.
- 3. Click **Settings**, and then click **Site settings**.
- 4. On the Site Settings page, under Users and Permissions, click People and groups.
- 5. On the People and Groups page, click Contoso Intranet Portal Visitors.
- 6. On the Contoso Intranet Portal Visitors page, click New.
- 7. In the Share 'Contoso Intranet Portal' dialog box, in the Enter names, email addresses, or 'Everyone' text box, type teresa@contoso.com, and then click Share.

► Task 4: Verify that the visitor has permissions to view the site but not create or edit content

- 1. Switch to the 20339-1A-NYC-DB1-E virtual machine. If you are not signed out, sign out.
- 2. Sign in as Contoso\teresa with the password Pa\$\$w0rd.
- 3. On the **Start** screen, click **Internet Explorer**.
- 4. In Internet Explorer, browse to http://sharepoint.contoso.com.
- In the Windows Security dialog box, in the User name box, type teresa, in the Password box, type Pa\$\$w0rd, and then click OK.
- 6. On the SharePoint site, in the current navigation, click **Documents**.
- 7. Verify that you are unable to add a new document (the **new document** and **upload** links do not appear in the document library).
- 8. In the **SampleDocument** row, click the ellipsis (...) button.
- 9. In the **Sample Document.docx** dialog box, click the ellipsis (...) button, click **Properties**, and then verify you cannot edit the properties.

► Task 5: Create a new SharePoint group, and assign the group the Design permission level

- 1. Switch to the **20339-1A-NYC-SP1-E** virtual machine.
- 2. Click **Settings**, and then click **Site settings**.
- 3. On the Site Settings page, under Users and Permissions, click People and groups.
- 4. On the **People and Groups** page, click **Groups**, and then click **New**.

- 5. On the **Create Group** page, in the **Name** text box, type **Editors**.
- 6. Under Give Group Permission to this Site, select Design Can view, add, update, delete, approve, and customize, and then click Create.
- ► Task 6: Add a user to the new Designers SharePoint group
- 1. On the **Editors** page, click **New**.
- 2. In the Share 'Contoso Intranet Portal' dialog box, in the Enter names, email addresses, or 'Everyone' text box, type wiley@contoso.com, and then click Share.
- ▶ Task 7: Verify that the designer can customize the appearance of the site by using **SharePoint Designer 2013**
- 1. Sign out of SharePoint and close Internet Explorer.
- 2. On the **Start** screen, click **Internet Explorer**.
- 3. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 4. Sign in as **Contoso\wiley** with the password **Pa\$\$w0rd**.
- 5. On the **Start** screen, type **SharePoint Designer 2013** and press Enter.
- 6. In SharePoint Designer 2013, click Open Site.
- 7. In the Open Site dialog box, in the Site Name text box, type http://sharepoint.contoso.com, and then click Open.
- 8. In the Windows Security dialog box, in the User name box, type wiley, in the Password box, type Pa\$\$w0rd, and then click OK.
- 9. Verify that the Contoso SharePoint Portal site opens in SharePoint Designer 2013.
- 10. Close SharePoint Designer 2013.
- 11. On the **Start** screen, type **SharePoint Designer 2013** and press Enter.
- 12. In SharePoint Designer 2013, click **Open Site**.
- 13. In the Open Site dialog box, in the Site Name text box, type http://sharepoint.contoso.com, and then click Open.
- 14. In the **Windows Security** dialog box, in the **User name** box, type **megan**, in the **Password** box, type Pa\$\$w0rd, and then click OK.
- 15. Verify that the Contoso SharePoint Portal site does not open in SharePoint Designer 2013.

Results: After completing this exercise, you should have created a new SharePoint group, and added users to both the default and custom SharePoint groups.

L8-40 Managing users and permissions, and securing content

Exercise 3: Creating custom permission levels

- ▶ Task 1: Create a custom permission level that enables users to view usage data
- 1. Sign out of SharePoint and close Internet Explorer.
- 2. On the **Start** screen, click **Internet Explorer**.
- 3. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 4. In the **Windows Security** dialog box, in the **User name** box, type **administrator**, in the **Password** box, type **Pa\$\$w0rd**, and then click **OK**.
- 5. Click the **Settings** icon, and then click **Site settings**.
- 6. On the Site Settings page, under Users and Permissions, click Site permissions.
- 7. On the ribbon, under **Manage**, click **Permission Levels**.
- 8. On the Permissions Levels page, click Add a Permission Level.
- 9. On the Add a Permissions Level page, in the Name text box, type View Usage Data.
- 10. Under Site Permissions, select the View Web Analytics Data check box, and then click Create.
- ► Task 2: Create a new SharePoint group, and assign the group the Read permission
- 1. Click the **Settings** icon, and then click **Site settings**.
- 2. On the Site Settings page, under Users and Permissions, click People and groups.
- 3. On the **People and Groups** page, click **Groups**, and then click **New**.
- 4. On the Create Group page, in the Name text box, type Usage Monitors.
- Under Give Group Permission to this Site, select the View Usage Data check box, and then click Create.
- ► Task 3: Add a user to the new Usage Monitors SharePoint group
- 1. On the **Usage Monitors** page, click **New**.
- 2. In the Share 'Contoso Intranet Portal' dialog box, in the Enter names, email addresses, or 'Everyone' text box, type marta@contoso.com, and then click Share.
- Task 4: Verify that the usage monitor cannot view usage reports
- 1. Switch to the 20339-1A-NYC-DB1-E virtual machine. If you are not signed out, sign out.
- 2. Sign in as **Contoso\marta** with the password **Pa\$\$w0rd**.
- 3. On the **Start** screen, click **Internet Explorer**.
- 4. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 5. If you are presented with a **Set up Internet Explorer** dialog, accept the defaults, and click **OK**.
- 6. In the **Windows Security** dialog box, in the **User name** box, type **marta**, in the **Password** box, type **Pa\$\$w0rd**, and then click **OK**. Verify that you are denied access to the site.

JJ

7. In Internet Explorer, browse to http://sharepoint.contoso.com/_layouts/usage.aspx. Verify that you are denied access to the page.

Note: Viewing the usage reports SHOULD fail. Although you have granted the CONTOSO\marta account access to the analytics data, you have not granted permissions to view the default application pages that present the data. In the next task, you will add additional permissions to resolve this problem

► Task 5: Add additional permissions to the View Usage Data permission level

- 1. Switch to the 20339-1A-NYC-SP1-E virtual machine.
- 2. Click Settings, and then click Site settings.
- 3. On the Site Settings page, under Users and Permissions, click Site permissions.
- 4. On the **Permissions** page, on the ribbon, click **Permission Levels**.
- 5. On the **Permissions Levels** page, click **View Usage Data**.
- 6. On the Edit Permission Level page, under List Permissions, select the View Application Pages check box, and then click Submit.
- ► Task 6: Verify that the usage monitor displays usage reports
- 1. Switch to the 20339-1A-NYC-DB1-E virtual machine.
- 2. In Internet Explorer, browse to http://sharepoint.contoso.com. Verify that you are denied access to the site.
- 3. In Internet Explorer, browse to http://sharepoint.contoso.com/_layouts/usage.aspx. Verify that you can access the page.

Note: Accessing the root site SHOULD fail. You have not given the user permissions to view the site. However, you have given them permissions to view the application pages, so viewing the site usage reports will work.

Task 7: Prepare for the next lab

When you are finished with the lab, keep all of the virtual machines running. The virtual machines in their current state are required for the next lab.

Results: After completing this exercise, you should have created a custom permission level, assigned that permission to a user group, and then tested the user group by using a non-administrative user account.

Lab B: Securing content in SharePoint sites

Exercise 1: Managing permissions and inheritance

- ► Task 1: Create a new folder in the Documents library, and verify that site members and visitors can view the folder
- 1. Switch to the 20339-1A-NYC-SP1-E virtual machine.
- 2. On the SharePoint site, click **Documents**.
- 3. In the **Documents** document library, on the ribbon, on the **FILES** tab, click **New Folder**.
- 4. In the Create a folder dialog box, in the Name text box, type Reports, and then click Create.
- 5. Switch to the 20339-1A-NYC-DB1-E virtual machine.
- 6. On the Start screen, click Internet Explorer.
- 7. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 8. In the **Windows Security** dialog box, in the **User name** box, type **wiley**, in the **Password** box, type **Pa\$\$w0rd**, and then click **OK**.
- 9. On the SharePoint site, in the current navigation, click **Documents**. Verify that you can see the **Reports** folder.
- 10. Sign out of SharePoint and close Internet Explorer.
- 11. On the **Start** screen, click **Internet Explorer**.
- 12. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 13. In the **Windows Security** dialog box, in the **User name** box, type **teresa**, in the **Password** box, type **Pa\$\$w0rd**, and then click **OK**.
- 14. On the SharePoint site, in the current navigation, click **Documents**. Verify that you can see the **Reports** folder.
- ▶ Task 2: Disable permission inheritance, and define custom permissions for a folder
- 1. Switch to the **20339-1A-NYC-SP1-E** virtual machine.
- Next to Reports, click the ellipsis (...) button, in the Reports dialog box, click the ellipsis (...) button, and then click Share.
- 3. In the Share 'Reports' dialog box, click Shared With.
- 4. In the **Shared With** dialog box, click **ADVANCED**.
- 5. On the **Permissions: Reports** page, on the ribbon, click **Stop Inheriting Permissions**.
- 6. In the Message from webpage dialog box, click OK.
- 7. Select all check boxes, and then, on the ribbon, click **Remove User Permissions**.
- 8. In the **Message from webpage** dialog box, click **OK**.
- 9. On the ribbon, click **Grant Permissions**.
- In the Share 'Reports' dialog box, in the Enter names, email addresses, or 'Everyone' text box, type teresa@contoso.com.

J

11. Click **SHOW OPTIONS**, clear the **Send an email invitation** check box if it appears, and then click **Share**.

- ▶ Task 3: Verify that the site members cannot see the folder with custom permissions
- 1. Switch to the 20339-1A-NYC-DB1-E virtual machine.
- 2. Sign out of SharePoint and close Internet Explorer.
- 3. On the **Start** screen, click **Internet Explorer**.
- 4. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 5. In the Windows Security dialog box, in the User name box, type wiley, in the Password box, type Pa\$\$w0rd, and then click OK.
- 6. On the SharePoint site, in the current navigation, click **Documents**. Verify that you cannot see the Reports folder.
- 7. Sign out of SharePoint and close Internet Explorer.
- 8. On the **Start** screen, click **Internet Explorer**.
- 9. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 10. In the Windows Security dialog box, in the User name box, type teresa, in the Password box, type Pa\$\$w0rd, and then click OK.
- 11. On the SharePoint site, in the current navigation, click **Documents**. Verify that you can see the Reports folder.

Results: After completing this exercise, you should have defined custom permissions for a folder in a document library, and tested those permissions by using non-administrative user accounts.

Exercise 2: Managing site-collection security

- ► Task 1: Attempt to access a site with a nonauthorized account
- 1. On the 20339-1A-NYC-DB1-E virtual machine, if you are not signed out of SharePoint, sign out, and then close Internet Explorer.
- 2. On the **Start** screen, click **Internet Explorer**.
- 3. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 4. In the Windows Security dialog box, in the User name box, type tim, in the Password box, type Pa\$\$w0rd, and then click OK. Verify that you are denied access to the site and cannot request access to the site.
- ► Task 2: Enable access requests for the sharepoint.contoso.com site
- 1. Switch to the 20339-1A-NYC-SP1-E virtual machine.
- 2. In Internet Explorer, browse to http://sharepoint.contoso.com.
- 3. On the SharePoint site, click **Settings**, and then click **Site settings**.
- 4. On the **Site Settings** page, under **Users and Permissions**, click **Site permissions**.
- 5. On the Permissions: Contoso Intranet Portal page, on the ribbon, click Access Request Settings.
- 6. In the Access Requests Settings dialog box, select the Allow access requests check box, in the Send all access requests to the following e-mail address text box, type sharepointsiteadmin@contoso.com, and then click OK.

J

Managing users and permissions, and securing content Task 3: Request access to a site

- Switch to the 20339-1A-NYC-DB1-E virtual machine.
- 2. In Internet Explorer, navigate to http://sharepoint.contoso.com. Verify that you are still denied access but that you can now request access to the site.
- 3. In the Type your message here text box, type I need access to this site, and then click Send request.
- Task 4: Approve an access request for a site
- 1. Switch to the **20339-1A-NYC-SP1-E** virtual machine.
- 2. On the SharePoint site, click **Settings**, and then click **Site settings**.
- 3. On the Site Settings page, under Users and Permissions, click Access requests and invitations.
- 4. On the Access Requests page, next to Tim Tindall, click the ellipsis (...) button to view the full details of the request, and then click APPROVE.
- ► Task 5: Attempt to access a site with the approved account
- 1. Switch to the 20339-1A-NYC-DB1-E virtual machine.
- 2. In Internet Explorer, navigate to http://sharepoint.contoso.com. Verify that you now have access to the site.
- ► Task 6: Configure HTML field security
- 1. Switch to the 20339-1A-NYC-SP1-E virtual machine.
- 2. On the SharePoint site, click **Settings**, and then click **Site settings**.
- 3. On the Site Settings page, under Site Collection Administration, click HTML Field Security.
- 4. On the HTML Field Security page, click Do not permit contributors to insert iframes from external domains into pages on this site, and then click OK.
- 5. Click **Home**, and then on the **Home** page, click **Page**.
- 6. On the **Page** ribbon, click **EDIT**.
- 7. In the **Edit** view, on the ribbon, click **Edit Source**.
- In the **HTML Source** dialog box, on a new line before all existing content, type the following code:

J

```
<iframe src="http://www.blocked.contoso.com"></iframe>
```

- 9. In the HTML Source dialog box, click OK, and then verify that SharePoint informs you that some markup has been removed.
- 10. On the ribbon, click **Edit Source**.
- 11. In the HTML Source dialog box, verify that the code you added has been removed, and then click OK.
- 12. Close all open windows, saving any changes, by clicking **OK**.

Results: After completing this exercise, you should have enabled access requests and configured HTML field security for a SharePoint site.

Exercise 3: Enabling anonymous access to a site

- ► Task 1: Configure a DNS record for the www.contoso.com web application
- 1. Switch to the 20339-1A-NYC-DC1-E virtual machine. If you are not logged on, sign in as Contoso\administrator with the password Pa\$\$w0rd.
- 2. On the **Start** screen, type **DNS**, and then select **DNS** in the search results.
- 3. In DNS Manager, expand Forward Lookup Zones, and then click Contoso.com.
- 4. Right-click **Contoso.com**, and then click **New Host (A or AAAA)**.
- 5. In the **New Host** dialog box, in the **Name** text box, type **www**, in the **IP address** text box, type **172.16.1.21**, and then click **Add Host**.
- 6. In the **DNS** dialog box, click **OK**.
- 7. In the **New Host** dialog box, click **Done**.
- ► Task 2: Create a service account for the www.contoso.com web-application application pool
- 1. On the **Start** screen, type **Active Directory Administrative Center**, and then press Enter.
- 2. In Active Directory Administrative Center, click **Contoso (local)**.
- 3. Select the **IT** Organizational Unit.
- 4. In the **Tasks** pane, under **IT**, click **New**, and then click **User**.
- 5. In the Create User dialog box, in the Full name text box, type WWW Application Pool.
- 6. In the User UPN logon text box, type WWWAppPool, and then verify that the User SamAccountName logon text boxes have populated automatically with the corresponding user name.
- 7. In the Password and Confirm password boxes, type Pa\$\$w0rd.
- 8. Click Other password options, select the Password never expires and User cannot change password check boxes, and then click OK.
- ► Task 3: Register the service account as a SharePoint managed account
- 1. Switch to the 20339-1A-NYC-SP1-E virtual machine.
- 2. On the **Start** screen, type **Central Administration**, and then press Enter.
- 3. In Central Administration, click **Security**.
- 4. On the Security page, under General Security, click Configure managed accounts.
- 5. On the Managed Accounts page, click Register Managed Account.
- 6. On the Register Managed Account page, in the User name box, type CONTOSO\WWWAppPool, in the Password box, type Pa\$\$w0rd, and then click OK.
- ► Task 4: Create and configure a new web application
- 1. Click Application Management.
- 2. On the Application Management page, click Manage web applications.
- 3. On the **Web Applications Management** page, on the ribbon, click **New**.
- 4. In the Create New Web Application dialog box, under IIS Web Site, in the Name box, type WWW - 80.

L8-46 Managing users and permissions, and securing content

- 5. In the **Port** text box, type **80**.
- 6. In the **Host Header** text box, type **www.contoso.com**.
- 7. Under Allow Anonymous, select Yes.
- 8. Select Create new application pool.
- 9. In the Application pool name text box, type WWW 80.
- 10. In the Select a security account for this application pool list, click CONTOSO\WWWAppPool, and then click OK.
- 11. In the Create New Web Application dialog box, click OK.
- ► Task 5: Create a root site collection
- 1. Click Application Management.
- 2. On the Application Management page, under Site Collections, click Create site collections.
- On the Create Site Collection page, in the Web Application menu, select WWW 80 http://www.contoso.com.
- 4. Under **Title and Description**, in the **Title** text box, type **Internet Site**.
- 5. Under **Template Selection**, on the **Publishing** tab, click **Publishing Portal**.
- 6. Under **Primary Site Collection Administrator**, in the **User name** text box, type **CONTOSO\Administrator**, and then click **OK**.
- 7. On the **Top-Level Site Successfully Created** page, click **OK**.
- ► Task 6: Enable anonymous access for the www.contoso.com web application
- 1. On the Application Management page, under Web Applications, click Manage web applications.
- 2. On the **Web Applications Management** page, click **WWW-80**, and then, on the ribbon, click **Authentication Providers**.
- 3. In the Authentication Providers dialog box, click Default.
- 4. View the settings in the **Authentication Providers** dialog box. Note that **Enable anonymous access** is already selected because it was enabled during web application creation.
- 5. Close the **Authentication Providers** dialog box.
- 6. On the ribbon, click **Anonymous Policy**.
- 7. In the Anonymous Access Restrictions dialog box, click Deny Write, and then click Save.
- ► Task 7: Enable anonymous access for the www.contoso.com site collection
- 1. Switch to the **20339-1A-NYC-DB1-E** virtual machine.
- 2. In Internet Explorer, browse to http://www.contoso.com.
- 3. In the **Windows Security** dialog box, in the **User name** box, type **administrator**, in the **Password** box, type **Pa\$\$w0rd**, and then click **OK**.

UU

- 4. Click Settings, and then click Site settings.
- 5. On the Site Settings page, under Users and Permissions, click Site permissions.
- 6. On the **Permissions** page, on the ribbon, click **Anonymous Access**.
- 7. In the Anonymous Access dialog box, click Entire Web site, and then click OK.

▶ Task 8: Test the www.contoso.com web application to ensure that you can access it without providing credentials

- 1. Close all open windows.
- In Internet Explorer, navigate to http://www.contoso.com. Verify that you can access the site without providing credentials.
- 3. Close all open windows.

► Task 9: Prepare for the next module

When you are finished with the lab, revert all virtual machines to their initial state:

- 1. On the host computer, start **Hyper-V Manager**.
- 2. In the Virtual Machines list, right-click 20339-1A-NYC-DC1-E, and then click Revert.
- 3. In the **Revert Virtual Machine** dialog box, click **Revert**.
- 4. Repeat step 2 and 3 for 20339-1A-SP1-E and 20339-1A-DB1-E.

Results: After completing this exercise, you should have configured a site for anonymous access.