

## STUDENT ACTIVITY 6.3: UNDERSTAND UPDATES

MTA Course: 98-365 Windows Server® Administration Fundamentals

Topic: Understand Updates

File name: WinServerFund\_SA\_6.3

### Lesson Objective

**6.3:** Understand updates. *This objective may include but is not limited to:* software; driver; operating systems; applications; Windows® Update; Windows Server Update Services (WSUS)

### Resources, software, and additional files needed for this lesson

- Windows Server 2008® R2
- Students will need access to the Internet to download Microsoft® Baseline Security Analyzer and then install it on their Windows Server 2008 R2 system. (<http://www.microsoft.com/downloads/details.aspx?FamilyID=b1e76bbe-71df-41e8-8b52-c871d012ba78&displaylang=en>)

### Directions to the student

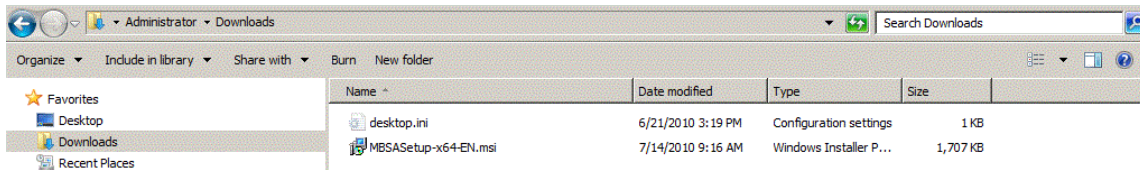
Complete the following activity. Have your instructor verify upon completion.

### Content

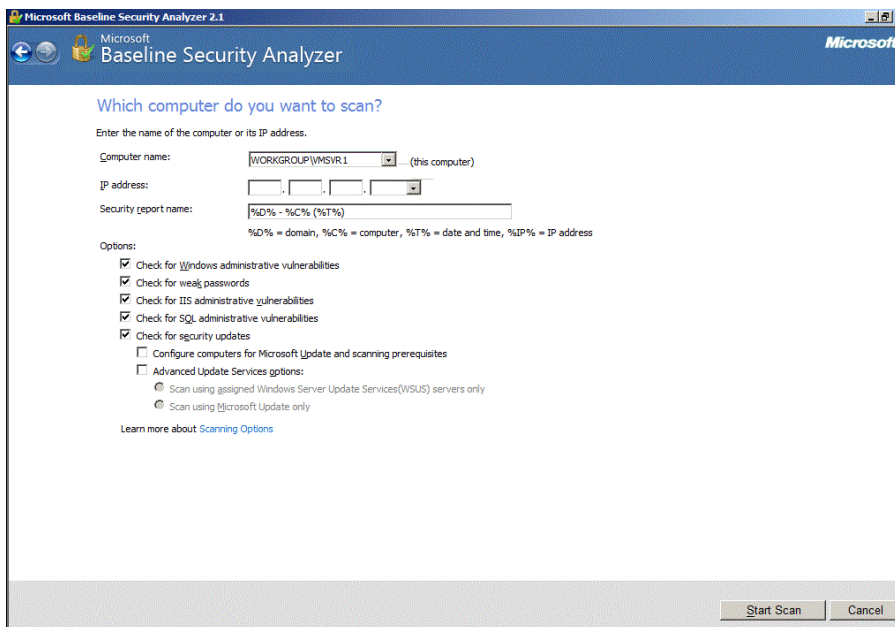
#### Download, install, and run Microsoft Baseline Security Analyzer (MBSA)



1. Log on to Windows Server 2008 R2 as Administrator.
2. Open Internet Explorer and browse to the following website:
  - a. <http://www.microsoft.com/downloads/details.aspx?FamilyID=b1e76bbe-71df-41e8-8b52-c871d012ba78&displaylang=en>
3. Download the appropriate MBSA file for your server.

4. Locate the install file, which should have downloaded to your Favorites Downloads (see below), double-click on that file and install the program.



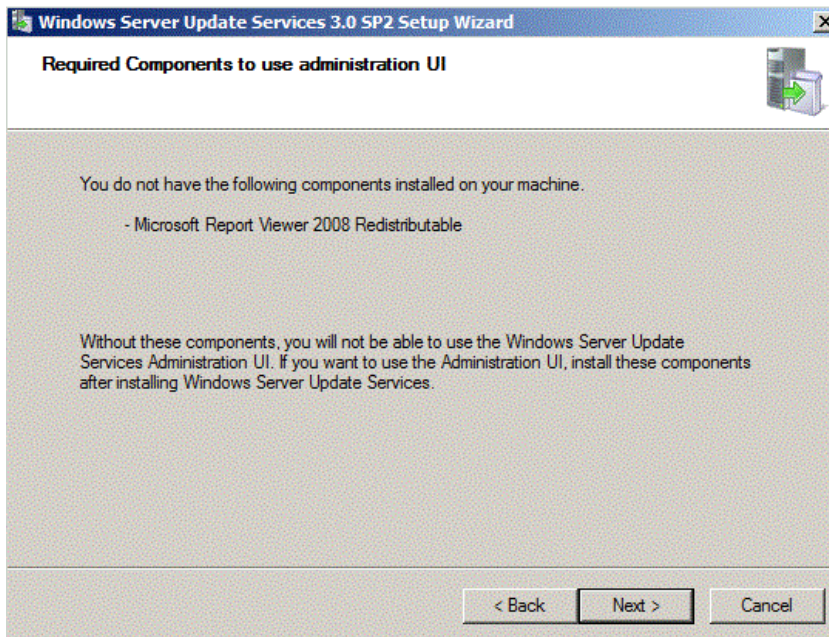
5. After installation, launch MBSA by clicking **Start→All Programs** and clicking on **Microsoft Baseline Security Analyzer**.
6. Click **Scan a computer**, which will take you to a screen asking which computer you wish to scan (see below). Your server should be in the Computer name field by default.



- 7 Click **Start Scan** to scan your local server.
8. Once the scan has finished, list the Check failed (critical)  and Check failed  scores if any:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  - e. \_\_\_\_\_
  - f. \_\_\_\_\_
9. On the failed scores, click the **How to correct this** and correct the errors.
10. After correcting the failed scores, rerun MBSA and verify if your corrections resolved the issues. Have your instructor verify upon completion.

**Install Windows Server Update Service (WSUS) as a Role**

1. Click **Start→All Programs→Administrative Tools**. Click **Server Manager**.
2. In the Roles Summary section, click **Add Roles** on the right.
3. In the Before You Begin screen, click **Next**.
4. In the Select Roles screen, select **Windows Server Update Services**.
5. It will prompt you that an additional role (Web Server-IIS) is required. Click **Add Required Role Services** and then click **Next**.
6. In the Web Server (IIS) wizard, click **Next**.
7. In the Select Role Services screen, click **Next**.
8. In the Windows Server Update Services screen, click **Next**.
9. In the Confirm Installation Selections screen, click **Install**.
10. The configuration of WSUS now begins by launching a WSUS setup wizard (see below). Click **Next**.
11. In the License Agreement screen, click **Next**.
12. In the Required Components to use administration UI screen, click **Next**.



13. In the Select Update Source and Database Options screens, click **Next** (see below).

The screenshot shows the 'Select Update Source' screen of the Windows Server Update Services 3.0 SP2 Setup Wizard. The title bar reads 'Windows Server Update Services 3.0 SP2 Setup Wizard'. The main heading is 'Select Update Source' with a sub-instruction: 'You can specify the location from which client computers acquire updates.' Below this, there is explanatory text about NTFS formatting and disk space requirements, and a note about saving disk space by clearing the 'Store updates locally' checkbox. The checkbox is currently checked. A text box contains 'C:\WSUS' and a 'Browse...' button is to its right. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

**Windows Server Update Services 3.0 SP2 Setup Wizard**

**Select Update Source**  
You can specify the location from which client computers acquire updates.

If you have a drive formatted with NTFS and at least 6 GB of free disk space, you can use it to store updates for client computers to download quickly.

If you need to save disk space, clear the check box to store updates on Microsoft Update; downloads will be slower.

If you choose to store updates locally, updates are not downloaded to your WSUS server until you approve them. By default, when updates are approved, they are downloaded for all languages.

☒ Store updates locally

C:\WSUS      Browse...

< Back    Next >    Cancel

The screenshot shows the 'Database Options' screen of the Windows Server Update Services 3.0 SP2 Setup Wizard. The title bar reads 'Windows Server Update Services 3.0 SP2 Setup Wizard'. The main heading is 'Database Options' with a sub-instruction: 'You can specify where to store data for Windows Server Update Services 3.0 SP2.' Below this, there is explanatory text about installing the Windows Internal Database or using an existing database server, and a note about NTFS formatting and disk space requirements. There are three radio button options. The first option, 'Install Windows Internal Database on this computer', is selected. It has a text box containing 'C:\WSUS' and a 'Browse...' button to its right. The second option is 'Use an existing database server on this computer' with a dropdown menu. The third option is 'Using an existing database server on a remote computer (Machinename\Instancename)' with a text box. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

**Windows Server Update Services 3.0 SP2 Setup Wizard**

**Database Options**  
You can specify where to store data for Windows Server Update Services 3.0 SP2.

You can choose to have Windows Internal Database installed, or you can use an existing database server.

You should install the database on an NTFS drive with a minimum of 2 GB of free disk space.

☒ Install Windows Internal Database on this computer

C:\WSUS      Browse...

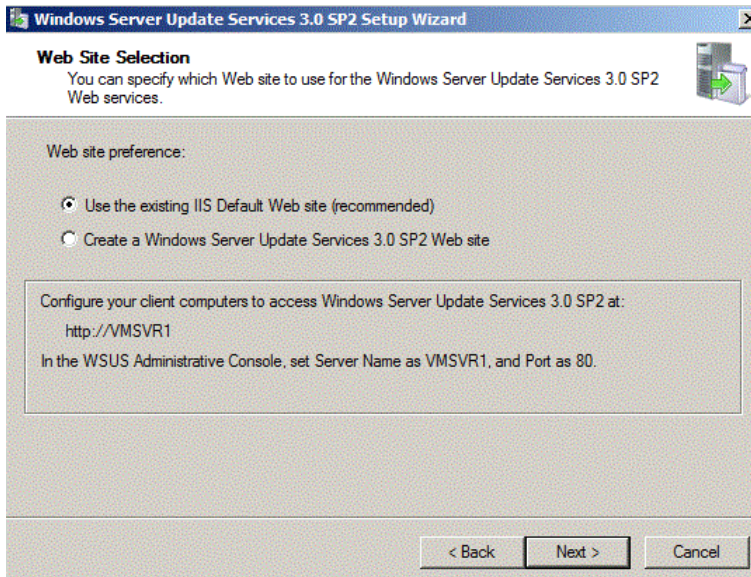
☐ Use an existing database server on this computer

☐ Using an existing database server on a remote computer (Machinename\Instancename)

< Back    Next >    Cancel

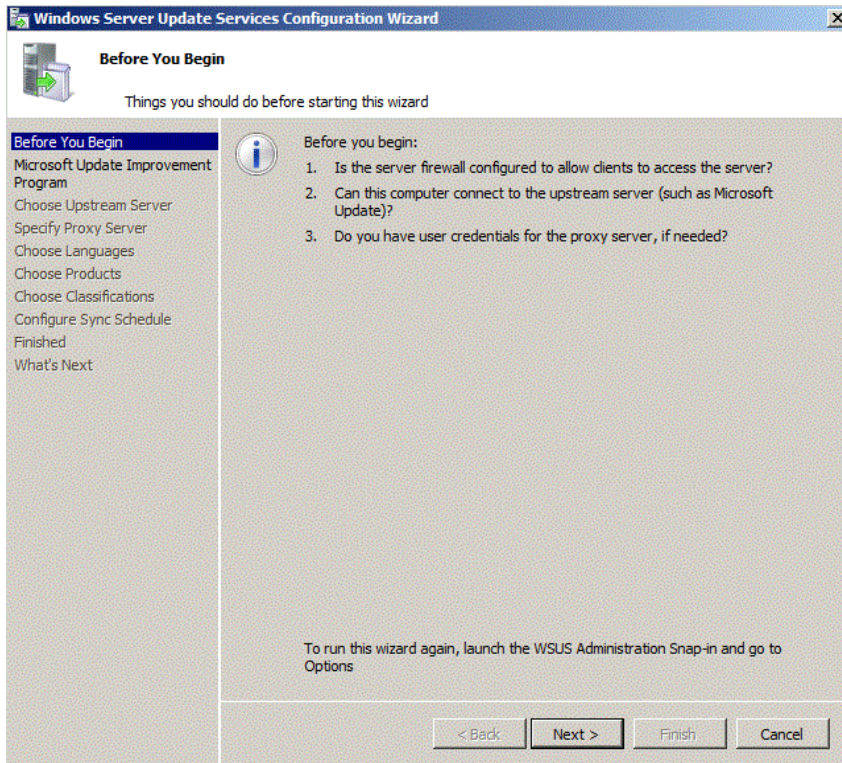


14. In the Web Site Selection screen, verify that Use the existing IIS Default Web Site is selected (see below). Click **Next**.



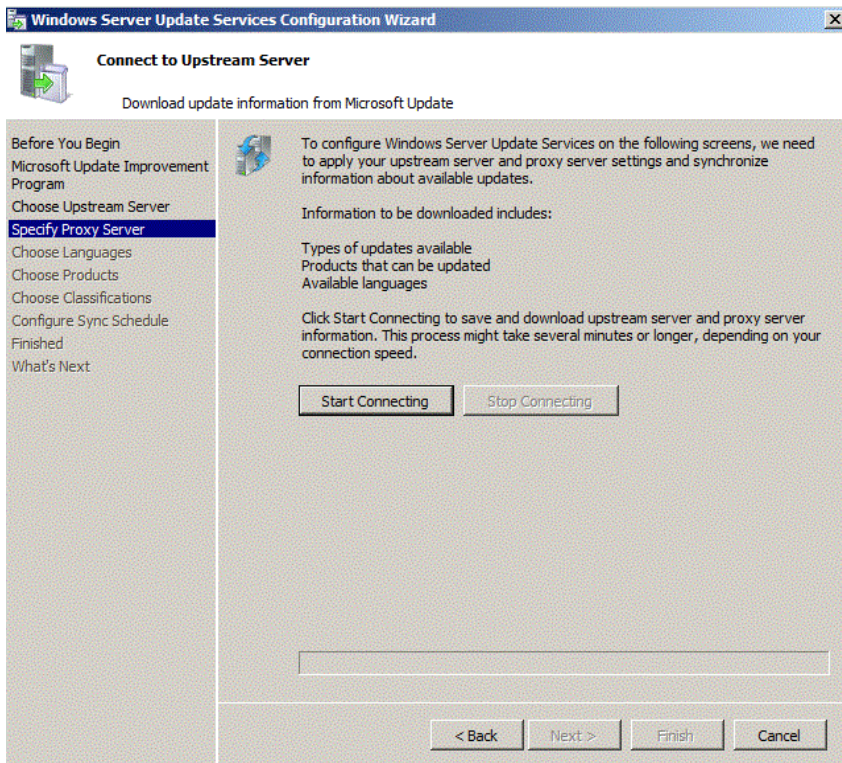
15. In the Ready to Install Windows Server Update Services, click **Next**.
16. When the installation is completed, click **Finish**.
- Note that this screen provides the data for configuring your client computers to get updates from the local WSUS server.
17. In the Installation Results screen, click **Close**.
18. After installing, Launch WSUS by clicking **Start→All Programs→Administrative Tools** and click **Windows Service Update Services**.

19. WSUS will begin a wizard to customize your installation of WSUS (see below), click **Next**.



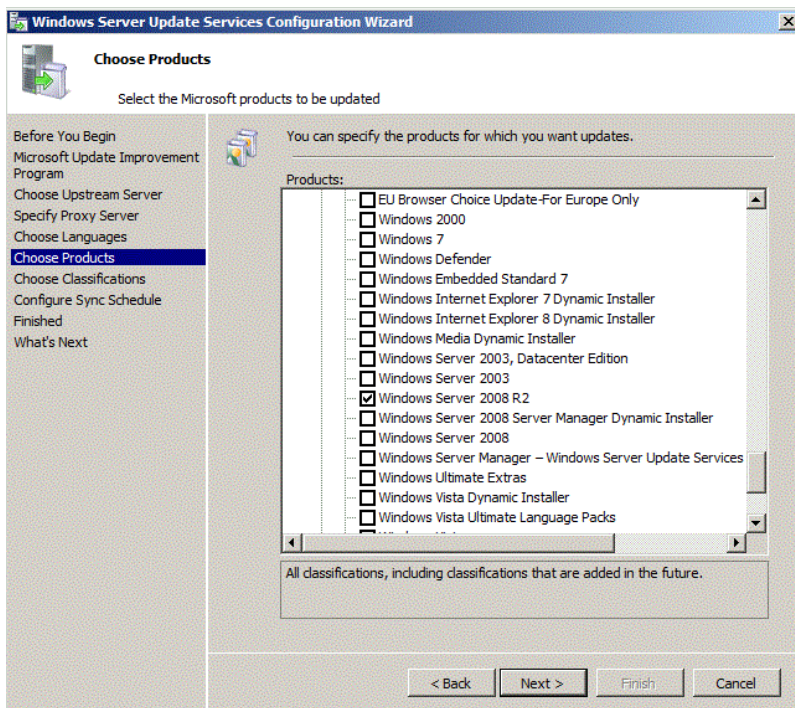
20. In the Join Microsoft Update Improvement Program screen, click **Next**.
21. In the Choose Upstream Server screen, leave the default selection and click **Next**.
22. In the Specify Proxy Server screen, input your proxy settings if you are using a proxy server and click **Next**, otherwise, click **Next** if you are not using a proxy. Please ask the instructor if you have any questions.

23. In the Connect to Upstream Server screen (see below), click **Start Connecting** then click **Next**.



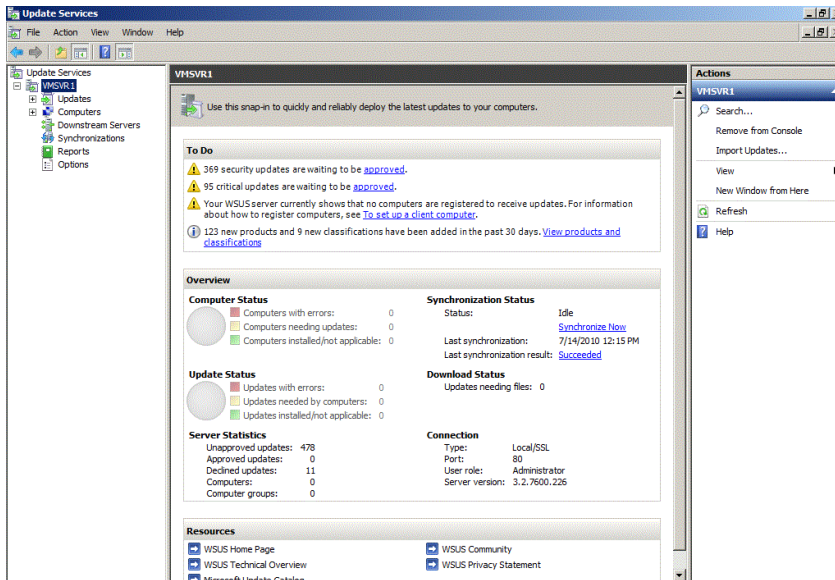
24. In the Choose Languages screen, select your language, and click **Next**.

25. In the Choose Products screen, deselect all products except for Windows Server 2008 R2 (see below), and click **Next**.





26. In the Choose Classifications screen, leave the default selections and click **Next**.
27. In the Set Sync Schedule, click **Next**.
28. In the Finished screen, click **Next**.
29. In the What's Next screen, click **Finish**.
30. One the setup is complete, click **Start→All Programs→Administrative Tools** to view the Windows Server Updates Service Management console (see below).



## Configure Group Policies to Use the Server's WSUS Service

You can now point your server to retrieve updates from its own WSUS service by changing the Windows update group policy setting.

1. Click **Start→Search Programs** and files and type **gpedit.msc** and press Enter.
2. In the Local Computer Policy section, expand **Computer Configuration→Administrative Templates→Windows Components→Windows Update** and double-click on **Specify intranet Microsoft update service location**.



3. Change the settings to (see below):
  - a. Enabled
  - b. Set the intranet update service for detecting updates:  
*http://yourservername*
  - c. Set the intranet statistics server: *http://yourservername*

Specify intranet Microsoft update service location

Previous Setting Next Setting

☐ Not Configured Comment:

☒ Enabled

☐ Disabled

Supported on: At least Windows 2000 Service Pack 3 or Windows XP Professional Service Pack 1

Options:

Set the intranet update service for detecting updates:

Set the intranet statistics server:

(example: http://IntranetUpd01)

Help:

Specifies an intranet server to host updates from Microsoft Update. You can then use this update service to automatically update computers on your network.

This setting lets you specify a server on your network to function as an internal update service. The Automatic Updates client will search this service for updates that apply to the computers on your network.

To use this setting, you must set two servername values: the server from which the Automatic Updates client detects and downloads updates, and the server to which updated workstations upload statistics. You can set both values to be the same server.

If the status is set to Enabled, the Automatic Updates client connects to the specified intranet Microsoft update service, instead of Windows Update, to search for and download updates. Enabling this setting means that end users in your organization don't have to go through a firewall to get updates, and it gives you the opportunity to test updates before deploying them.

OK Cancel Apply

4. Click **OK** and reboot your server and verify if your server is now present in your WSUS console by clicking **Start→All Programs→Administrative Tools→Click Windows Server Update Service**.
5. Have your instructor verify upon completion.