

Microsoft Windows XP, Home and Professional, Service Pack 2

Microsoft will be releasing Windows XP, Service Pack 2 this month. This service pack was designed to address Windows XP security issues and could adversely affect many applications, including A+LS. In testing Service Pack 2 with A+LS, any issues we discovered were specifically related to ports being closed by Service Pack 2 that had previously been left open by Windows XP. When we manually opened the ports after installing Service Pack 2, A+LS functioned normally. Steps to take in specific circumstances are shown below.

We have changed the A+LS Client Installer so that it will automatically open ports as needed. This change will be effective in the upcoming release, *A+nyWhere Learning System*, Release 8. Note that this change will not affect ports on the server.

Upgrading to Service Pack 2 on a machine that has the A+LS client already installed

No issues reported or action necessary.

Installing the A+LS Client on a machine that has been previously been upgraded to Service Pack 2

When installing the A+LS Client, the Windows Firewall prompts one time with a message asking, "Do you want to keep blocking this program", "Java"? Select "unblock" at this prompt. This will configure the ports on the workstation.

Using Windows XP Professional, Service Pack 2, as a server

When installing the A+LS Database & Content, the Windows Firewall may prompt several times throughout the installation process with a message asking, "Do you want to keep blocking this program", "Java"? Select "unblock" at each prompt. This will configure the ports on the server and allow the installation to continue.

Until the release of A+LS, r8, all A+LS installations will need the server ports unblocked after XP Service Pack 2 has been installed. This process will need to be done once, immediately after installing Service Pack 2.

Windows XP ports can be unblocked manually using one of the two following methods:

1. Command line interface

```
netsh firewall set portopening tcp 4445 "Install Server"  
netsh firewall set portopening tcp 7500 "Content Server"  
netsh firewall set portopening tcp 9501 "Update Server"  
netsh firewall set portopening tcp 7600 "Data Server"  
netsh firewall set portopening tcp 3306 "Mysql Server"  
netsh firewall show portopening (to verify ports open)
```

2. Use control Panel

- a. Go to, "Start>Settings>Control Panel>Windows Firewall"
- b. On the Windows Firewall Dialog, select the "Exceptions" tab.
- c. Click the add Port button.
 - Add name "Install Server" port number 4445.
 - Add name "Content Server" port number 7500.
 - Add name "Update Server" port number 9501.
 - Add name "Data Server" port number 7600.
 - Add name "Mysql Server" port number 3306.
- d. All added ports will now show in the list of programs and services on the Exceptions dialog window.
- e. Verify the opened ports using the command line interface

```
netsh firewall show portopening
```
- f. The results of the above command should be similar to the result below.

Port configuration for Standard profile:

Port	Protocol	Mode	Name
4445	TCP	Enable	Install Server
3306	TCP	Enable	Mysql Server
7500	TCP	Enable	Content Server
9501	TCP	Enable	Update Server
7600	TCP	Enable	Data Server