

STUDENT ACTIVITY 5.4

MTA Course: Web Development Fundamentals
Lesson name: Web Development Fundamentals 5.4
Topic: Understand application pools
File name: WebDevFund_SA_5.4

Lesson Objective:

5.4: Understand application pools. *This objective may include but is not limited to:* purpose of application pools; effect of application pools on Web applications. *This objective does not include:* configuring or assigning application pools.

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

- A Windows®-based PC with installed Web development software.
Examples include Microsoft® Visual Studio 2008®, or
 - Microsoft Visual Basic 2008® Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Basic>)
 - Microsoft Visual C# 2008® Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-CS>)
 - Microsoft Visual Web Developer 2008 Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Web-Developer>)
- Use these sites for additional information:
Video lesson on starting an application pool
<http://www.asp.net/learn/aspnet-4-quick-hit-videos/video-8843.asp>

Directions to the student:

Review the steps to create application pools. Start by visiting the link to review the tutorial. Then answer the following questions.

Creating Application Pools

<http://www.iis.net/ConfigReference/system.applicationHost/applicationPools>

1. Read the “Overview” section on the page.
2. Go to the section called “How to create a new application pool” and continue reviewing from there.

Questions:

1. Identify the key benefits of using application pools.
2. What element contains a collection of *<add>* elements?
3. Give an example of how the *<add>* element might be used?
4. What element defines default settings for all application pools on the Internet Information Services (IIS) 7 server?
5. What are the two 'modes application pools' can be created?
6. In what situation would you use each?