# About the Hands-On Labs

#### Student Lab Environment

The lab exercises for this course have been written and tested on a single virtual machine (VM) image which runs in the Hyper-V environment. It is recommended that you run the VM for the lab exercises using a Hyper-V host running on either Windows 8 or Windows Server 2012. It is recommended that the VM be given at least 10GB of RAM or more. You will likely experience poor performance if you attempt to run this VM on a host computer with 8GB of RAM or less.

***If you are taking the hands-on version or the RCI version of this course***, the hosting training company should provide you with a Hyper-V workstation which already has a copy of the VM you will use to complete your lab exercises.

***If you are taking an online webcast version of this course***, you are required to supply your own hardware and to build the VM from the ground up. To accomplish this you should work through the step-by-step instructions in the section titled **Setting Up the Lab Environment** to create a new Hyper-V VM and to install all the perquisite software including Windows Server 2012, Active Directory Domain Services and SQL Server 2012 with SP1.

#### Logins

You should be able to log into the VM for this course using the login name **WINGTIP\Administrator** and a password of **Password1**. During the lab exercises you will create additional Active Directory accounts and every account will be assigned a password of **Password1**.

#### Student Lab Files

This training course includes a set of student files, also referred to as the **student.zip** file. The student.zip file contains files and other resources used in the lab exercises and demos. Each module for the course has its own separate lab folder with file referenced by lab exercises as well as solutions to PowerShell scripts when appropriate. The assumption is that the files included in the student.zip file will be extracted the path of **C:\Student**.

Within the **Student** folder you will find a few subfolders:

* **ExtraStudentFiles:** Sample scripts, images, links, resources… some things in here are related the to the course demos and labs
* **Modules:** contains one subfolder for each module. Inside this folder there is a **Lab** folder and possibly a **Demo** folder as well.