In this lesson, we're going to talk about two other editions of Windows, known as Windows Enterprise and Windows Education editions. Now, let's first talk about Windows Enterprise edition. Windows Enterprise edition is a fully featured version of Windows that's going to expand upon what Windows Pro has to offer. When it comes to Windows Enterprise, it can do everything that Windows Pro can do, but it also has additional features, such as the ability to do application virtualization, user environment virtualization, DirectAccess, Credential Guard, and Windows To Go. All these are additional features that only exist within the Enterprise edition. Now, the Enterprise edition is licensed only one way, and that's using volume licensing. You can't go and get an OEM version of Windows Enterprise, and you can't go to a retail store and buy a copy of Windows Enterprise. Instead, Windows Enterprise is designed for large organizations, those who are going to be buying dozens or hundreds of licenses at one time. When it comes to the Windows Enterprise edition, I want you to remember it has everything that Windows Pro has, but it also has additional features, and it can only be purchased using a volume-based licensing agreement. Now, let's talk about some of those individual features that I mentioned as being unique to Windows Enterprise. First, Microsoft Enterprise edition has the ability to support application virtualization, and this is done under a tool known as App-V. Now, App-V allows the virtualization of application execution environments, and this separates out the application environment from the client operating system. And this provides additional security and management efficiency over just running an application on top of your standard operating system. Essentially, it's going to create a sandbox and run that application inside of the sandbox to protect the rest of the operating system from any kind of malware or malicious things that could happen from that application. Another feature that we have inside the Enterprise edition is the ability to use the Microsoft User Environment Virtualization. This is known as UEV. Now, the UEV is used to capture, save, and manage Windows 10 operating system and application settings on an individual user environment level. This allows multiple people to be able to use the same machine, while keeping all of their settings separate, and keeping all of those settings isolated from one another across the system. The next feature we have is known as DirectAccess. Now, DirectAccess is used to allow connectivity for remote users back to the organization's network resources without them having to use a traditional virtual private network connection, also known as a VPN. Essentially, when you're using DirectAccess connections, the remote clients are always going to be connected to the organization, and there's no need for those remote users to start and stop connections as they would with a VPN. This allows you to be able to support your remote users a lot better, especially in a work from home or a work from remote office type of situation. The next feature we have is known as Credential Guard. Now, Credential Guard is something that allows virtualization-based security to occur where access is only going to be granted to privileged systems. If you're running a bunch of virtual machines on a particular server or host, you want to be able to use Credential Guard to be able to protect the usernames and passwords that are used to be able to log into those different virtual machines. And Windows Enterprise gives you this feature. Another feature you're going to find inside the Windows Enterprise edition is what's known as Windows To Go. Now, Windows To Go is a special feature that allows users to create an image version of their corporate Windows 10 environment and put it onto a USB flash drive. Now they can take that flash drive home, plug it into their computer, and run their corporate version of Windows from their personal Windows 10 computer. This, again, is another great feature to use if you have a large portion of your workforce that is doing remote work or work from home, because it allows them to use the secure version of Windows 10 that your organization has built for them instead of relying on their own personal Windows 10 computer. And this can protect you from a lot of malicious attacks and threats. And so using Windows To Go is one of the ways to add more security to your organization when you have a remote workforce that is working from home and uses remote access connections to be able to connect back to your servers. Now, when it comes to Enterprise editions, their limitations are going to be the same as using Windows Pro for workstations. So, in terms of memory, you're going to have a limit of six terabytes of memory when using Windows Enterprise editions. If you're using the Windows Enterprise edition, you can also support multiple processors, with up to four physical processors being recognized by the operating system, and each of those processors can have up to 256 cores within them. The final edition of Windows we need to discuss is known as Windows Education. Now, Windows Education comes in two different varieties. There's Windows Education and Windows Pro Education. When you're using Windows Education, this is simply a variant of the Enterprise edition of Windows. When you're using Windows Pro Education, this is simply an educational variant of the Pro Edition. All the things we talked about with Enterprise and Pro are going to equate to the Windows Education and Windows Pro Education variance. The only real difference is the way the licensing is done. When it comes to Windows Education or Windows Pro Education variance, both of these are only going to be licensed using a volume licensing methodology. So, you can't simply go to the store and pick up a copy of Windows Education or Windows Pro Education. Instead, you have to contact Microsoft or one of their authorized resellers and be able to negotiate a volume licensing agreement. Remember, when it comes to Windows Education or Windows Pro Education, the whole purpose of these variants was to provide a discounted operating system to schools, colleges and universities for use in their classroom environments. And so it has to be negotiated as a volume licensing deal based on the size and scope of that particular educational institution. Now, remember, Windows Education and Windows Pro Education are the same as Windows Enterprise and Windows Pro when it comes to the features they have and the limitations they have. So, if you remember everything you covered from Windows Pro and Windows Enterprise editions, all of that will translate directly into the Windows Education and the Windows Pro Education edition.