## Lab 3-01: Creating a Virtual Network Connection

### Service Introduction

Wanderlust Travel, a rapidly growing online travel agency, faced a critical dilemma: their web server hosted on a traditional shared server lacked the security and scalability to handle their increasing booking volume. Frequent outages and data breaches were impacting customer trust and business reputation.

### Problem

Their shared server offered limited security controls, leaving them vulnerable to hacking attempts and data breaches, compromising sensitive customer information. The shared server could not handle peak booking times, causing frequent outages and impacting customer experience and revenue generation.

### Solution

Wanderlust Travel's story demonstrates the power of Azure Virtual Network and web server hosting for businesses seeking secure, scalable, and cost-effective web hosting solutions. By embracing cloud technology, Wanderlust achieved enhanced security, improved customer experience, and gained a platform poised for continued growth in the competitive travel industry.

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| 1. Log in to the Microsoft Azure portal and go to the portal menu.     2. Now click on “Virtual networks” from the portal menu.     1. Click on “Add” for the creation of a virtual network.      1. Once the virtual network window appears, write the name of VNet and address space. Write the name of the resource group.      1. Write the range of IP addresses that are in a group.      1. Leave the remaining options as it is, and click on “Create.”      1. Your VNet will now be created; click on “Refresh” to see the created VNet.      1. To add a virtual machine to VNet, click “Virtual machines.” A window will appear; click on “Add” to create a virtual machine for VNet.      1. Write the name of the resource group for which the virtual machine will be created. Now, add a name for the virtual machine.      1. Choose the window machine from the “Image” option.      1. Add Username and Password.      1. Leave the remaining options as it is. Click on “Next : Disks >”.      1. Click “Next: Networking >” to move to the networking tab.      1. A virtual network and subnet have already been selected. This means a virtual machine is created within “Ipsvnet.”      1. Leave the remaining options as default. Click on “Review + create.”      1. Once the validation is passed, click on “Create” to create the virtual machine.      1. Once the virtual machine deployment is done, click on “Go to resource” to check and see the properties of a virtual machine. Properties of a virtual machine show that a virtual machine is created within “Ipsvnet.” |