Web Applications

Description

Most of our modern day 'apps' are really just fancy frames put around websites. Having resilient web infrastructure is key to ensuring that our end users can access data, complete day to tasks, spend their money, etc! Your task is to configure IIS and MS SQL Server to host a NopCommerce web application.

What to do

SQL01

- Deploy a new Windows VM, either from a fresh installation or from a premade Server 2019 template
  - Add an additional hard disk to the VM for the storage of the SQL data
- Boot the machine and complete the standard customizations:
  - Change the hostname to SQL01
  - Set a static IP of 10.1.1.125
  - Join the machine to your domain
- Install SQL Server 2019
  - The ISO to install is available on the ISO datastore
  - Ensure SQL is configured to use your new disk you added as its default data location
- Also install the SQL Server Management Studio either on SQL01 or on your admin machine

IIS

- Leveraging web servers you've already deployed
  - Add any features to your IIS installation that you may find necessary
  - Install the .Net Core 2.2 Hosting Bundle from [Microsoft's website](#)

NOP Commerce

- Create a web app in both IIS servers as well as the appropriate domain user account for NopCommerce
- Copy the files needed for NopCommerce from the disc image in the ISO datastore
  - Grab the 'FrameworkDependent' folder
- Create a SQL database on your SQL server and allow the appropriate configuration for the domain user account used by IIS to connect to it
- NopCommerce IIS Tips:
  - In your IIS server root, under feature delegation, you may need to change *Modules* to read/write

- Browse to the site (ex: http://web01.domain.lan) and run the NopCommerce setup on ONE of your IIS servers
  - Ensure that you deploy it as a new installation
  - Have it install the demo data
- Once the setup has completed, copy the App_Data folder from your first server to the second. This will avoid needing to run the installer again
  - You may need to Recycle the App Pool (or just reboot web02)

Submissions

- Submit a screenshot showing that you can access your nopCommerce site from the internet (IE: your public IP) through your load balancer
- Submit a screenshot from each of your IIS servers showing that you have the site running on each