1. Objective – Configure private and public DNS zones

1. Select **Home > Resource groups**, then choose your resource group, such as *oreilly-az104*
2. At the top of the resource group window select **+ Add**, search for and select "*dns zone*", then choose **Create**. Note that to create a private DNS zone, instead search for and select "*private dns zone*". Enter the following configuration information. If not noted below, use the defaults:

   Resource group: *oreilly-az104*

   Name: *az104training.com*

3. When ready, select **Review + create**, then **Create**
4. If needed, select the notification bell in the top right-hand corner to view deployment progress as the DNS zone is created. It takes a minute or two to create the resource. When ready, select **Go to resource**.
5. Note the *Name server* address on the **Overview** page. These name servers are what respond to your DNS requests.
6. Select **+ Record set** and review the different *Types* of records you can create. These are the same types of records you'd expect in a regular DNS server, including setting TTL values. As this FQDN isn't something we can all use and have purchased, you won't be able to resolve any records you'd create. For now, close out of this **Add record set** window.

2. Objective – Configure custom DNS settings

1. Select **Home > Resource groups**, then choose your resource group, such as *oreilly-az104*
2. Choose your *vnet-westus* resource, then select **DNS servers** from the menu on the left-hand side.
3. The *Default (Azure-provided)* settings are configured. All VMs deployed into the virtual network use these Azure-provided DNS servers.

   Select **Custom** to provide specific DNS servers to use. In a hybrid environment, this could be the IP addresses of on-premises DNS servers. Or, if you have VMs that run DNS in Azure, you could provide their IP addresses. Both private or public IP addresses for either on-prem on Azure-based DNS servers. You need to make sure virtual network peering or connectivity using a virtual network gateway lets VMs reach the DNS servers.

4. For now, leave the DNS servers on the *Default (Azure-provided)* option.
   DNS is a little tricky to configure without a registered domain to assign for a real DNS zone, or other DNS servers in your environment to forward traffic to.