Create Network Security Groups

To create the **NSG-FrontEnd** NSG as shown in the scenario, complete the following steps:

1. From a browser, navigate to [https://portal.azure.com](https://portal.azure.com/) and, if necessary, sign in with your Azure account.
2. Select **+ Create a resource >** > **Network Security Groups**.
3. Under N**etwork security groups**, select **Add**.
4. Under **Create network security group**, create an NSG named *NSG-FrontEnd* in the *RG-NSG* resource group, and then select **Create**.

Create rules in an existing NSG

To create rules in an existing NSG from the Azure portal, complete the following steps:

1. Select **All Services**, then search for **Network security groups**. When **Network security groups** appear, select it.
2. In the list of NSGs, select **NSG-FrontEnd** > **Inbound security rules**
3. In the list of **Inbound security rules**, select **Add**.
4. Under **Add inbound security rule**, create a rule named *web-rule* with priority of *200* allowing access via *TCP* to port *80* to any VM from any source, and then select **OK**. Notice that most of these settings are default values already.
5. After a few seconds, you see the new rule in the NSG.
6. Repeat steps to 6 to create an inbound rule named *rdp-rule* with a priority of *250* allowing access via *TCP* to port *3389* to any VM from any source.

Associate the NSG to the FrontEnd subnet

1. Select **All services >**, enter **Resource groups**, select **Resource groups** when it appears, then select **RG-NSG**.
2. Under **RG-NSG**, select **...** > **TestVNet**.
3. Under **Settings**, select **Subnets** > **FrontEnd** > **Network security group** > **NSG-FrontEnd**.
4. In the **FrontEnd** blade, select **Save**.

Create the NSG-BackEnd NSG

To create the **NSG-BackEnd** NSG and associate it to the **BackEnd** subnet, complete the following steps:

1. To create an NSG named *NSG-BackEnd*, repeat the steps in [Create the NSG-FrontEnd NSG](https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-create-nsg-arm-pportal#Create-the-NSG-FrontEnd-NSG).
2. To create the **inbound** rules in the table that follows, repeat the steps in [Create rules in an existing NSG](https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-create-nsg-arm-pportal#Create-rules-in-an-existing-NSG).

| **Inbound rule** | **Outbound rule** |
| --- | --- |
| Azure portal - inbound rule | Azure portal - outbound rule |

1. To associate the **NSG-Backend** NSG to the **BackEnd** subnet, repeat the steps in [Associate the NSG to the FrontEnd subnet](https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-create-nsg-arm-pportal#Associate-the-NSG-to-the-FrontEnd-subnet).