

Lab Report

Your Performance




Your Score: 4 of 8 (50%)

Elapsed Time: 26 minutes 50 seconds



Pass Status: Not Passed

Required Score: 100%



Task Summary Create the NLB cluster [Hide Details](#)

-  Create the BranchNLB.Branch2.CorpNet.com cluster
-  Configure 192.168.30.25/24 for the cluster IP address
-  Use Multicast for the cluster operation mode






 Add BranchNLB1 as a cluster host [Hide Details](#)

-  Add the server to the cluster
-  Configure a priority of 2 or higher






 Add BranchNLB2 as a cluster host [Hide Details](#)

-  Add the server to the cluster
-  Configure a priority of 1







 Configure a port rule for ports 0 to 1023 [Hide Details](#)

-  Define the port rule
-  Configure the rule for both TCP and UDP
-  Use Multiple host for the filtering mode
-  Use Single for the affinity
-  Equally divide traffic between all cluster hosts

 Configure a port rule for TCP 1066 [Hide Details](#)



-  Define the port rule
-  Configure the rule for TCP only
-  Use Single host for the filtering mode
-  Configure BranchNLB2 with a handling priority of 2 (or higher)
-  Configure BranchNLB1 with a handling priority of 1

 Configure a port rule for TCP 1777 [Hide Details](#)






-  Define the port rule
-  Configure the rule for TCP only
-  Use Multiple host for the filtering mode
-  Use Single for the affinity
-  Configure BranchNLB1 with a load weight of 15
-  Configure BranchNLB2 with a load weight of 45

 Create a port rule for ports 2000 to 2999 [Hide Details](#)

-  Define the port rule

-  Configure the rule for both TCP and UDP
-  Disable the port rule

✗ Create a port rule for port 5055 [Hide Details](#)

-  Define the port rule
-  Configure the rule for both TCP and UDP
-  Use Multiple host for the filtering mode
-  Configure BranchNLB1 with a load weight of 0
-  Configure BranchNLB2 with a load weight higher than 0

Explanation

In this lab, you create an NLB cluster using the two servers and defined port rules as follows:

1. Create an NLB cluster as follows:
 - a. From Server Manager, select **Tools > Network Load Balancing Manager**.
 - b. Right-click **Network Load Balancing Clusters** and select **New Cluster**.
 - c. Type the *name* of a cluster host.
 - d. Select **Connect**.
 - e. Select the *interface* that the cluster will use; then click **Next**.
 - f. Select the *priority*.
 - g. Make sure the default state is set to **Started**; then click **Next**.
 - h. Select **Add**.
 - i. Make sure **Add IPv4 address** is selected.
 - j. Enter the *IP address*.
 - k. Enter the *subnet mask*; then click **OK**.
 - l. Click **Next**.
 - m. Type the *full Internet name* for the NLB cluster.
 - n. Select the *cluster operation mode*; then click **Next**.
2. Create and Edit port rules on BranchNLB1 as follows:
 - a. Select the existing *rule*.
 - b. Select **Edit** to modify an existing port rule.
 - c. Under Port range, modify the *ports*.
 - d. Under Protocols, select the appropriate *protocols*.
 - e. Under Filtering mode, select the *filtering mode*.
 - f. Select the *affinity*; then click **OK**.
 - g. Select **Add** to create a new rule.
 - h. Under Port range, modify the *ports*.
 - i. Under Protocols, select the appropriate *protocols*.
 - j. Under Filtering mode, select the *filtering mode*.
 - k. Select the *affinity*; then click **OK**.
 - l. Repeat steps 2g-2k to create additional port rules.
 - m. Click **Finish** to create the cluster.
3. Add BranchNLB2 as a cluster host as follows:
 - a. In Network Load Balancing Manager, right-click the *cluster* and select **add Host To Cluster**.
 - b. Type the *name* of a cluster host.
 - c. Click **Connect**.
 - d. Select the *interface* that the cluster will use; then click **Next**.
 - e. Select the *priority*.
 - f. Make sure the default state is set to **Started**; then click **Next**.
 - g. Click **Finish** to add the host to the cluster.
4. Modify the port rules on both cluster hosts as follows:
 - a. In the Network Load Balancing Manager console, right-click the *cluster host* and select **Host Properties**.
 - b. Select the **Port Rules** tab.
 - c. Modify the load weight as follows:
 1. Select the *port rule* you wish to modify and click **Edit**.
 2. Under Load weight, deselect **Equal**.

3. Enter the ***load weight***; then click **OK**.
- d. Modify the handling priority as follows:
 1. Select the ***port rule*** you wish to modify and click **Edit**.
 2. Enter the ***handling priority***; then click **OK**.
- e. Click **OK** to close the properties dialog.