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NetWorker: How to configure a Smart Scale device on an NVE Server or Storage Node

Summary: Unable to label to Smart Scale device in NetWorker Virtual Edition Server (NVE) and Storage Node. This is due to the entfirewall no permitting outbound connections to port 2053.

Article Content

Instructions

Create a custom outbound firewall to port 2053 of the Smart Scale server on the NetWorker Virtual Edition (NVE) Server and Storage node:

> ℹ️ **NOTE:** The below steps are intended for NetWorker Virtual Edition servers and storage nodes. If the NetWorker server and storage node are from another operating system vendor, see operating system-specific documentation for creating and modifying firewall settings.

1. Log in to the NVE as admin, then switch to root user:

```
sudo su -
```

2. As a root user run, run the following script to modify the `entfirewall` rules:

```
/usr/local/avamar/lib/admin/security/ent-edit-firewall-rules.sh
```

3. Enter 1 to use the Add a custom rule option:

```
Choose an Action
----------------
1) Add a custom rule
2) Remove a custom rule
3) List Current Custom Rules
4) Exit
5) Save Changes
Enter desired action: 1
```

4. Select 1Pv4 rule:

```
Firewall Rule Types
-------------------
1) IPv4 Rule
2) IPv6 Rule
Enter Firewall Rule Type: 1
```

5. Select 1 OUTPUT rule:

```
Firewall Chains
---------------
1) OUTPUT
2) INPUT
3) LOGDROP
4) FORWARD
Select Chain: 1
```

6. Select 1 TCP rule:

```
Protocol
--------
1) TCP
2) UDP
3) ICMP
Enter Protocol: 1
```

7. Leave the source IP field blank and press Enter:

```
Enter source IP (leave blank for none):
```

8. Leave the source port field blank and press Enter:

```
Enter source port (leave blank for none):
```

9. Leave the Destination IP Address blank and press Enter:

```
Enter Destination IP Address (leave blank for none):
```

10. Enter port 2053 for Destination Port:

```
Enter Destination Port (Use comma for multiple ports. Leave blank for none): 2053
```

11. Enter 1 for ACCEPT:

```
Targets
-------
1) ACCEPT
2) REJECT
3) DROP
4) LOGDROP
Select Target: 1
```

12. Enter A to append:

```
Run Order
---------
I) Insert (Inserts rule before default AV Firewall rules are applied)
A) Append (Standard behavior. Rule is appended, with default AV Firewall rules taking precedent)

Select run order for this rule [A]:A
```

13. Confirm adding a custom rule:

```
Add rule |||2053|tcp||ACCEPT|OUTPUT|A to custom rules file? (Y/N): Y
```

14. Answer No to adding another rule:

```
Add another firewall rule? (Y/N): N
```

15. Answer Yes to return to the main menu:

```
Return to main menu? (Y/N): Y
```

16. Save changes, option 5, answer No to return to the main menu:

```
Choose an Action
----------------
1) Add a custom rule
2) Remove a custom rule
3) List Current Custom Rules
4) Exit
5) Save Changes
Enter desired action: 5
```

17. Confirm the changes.

```
Save and execute rules now? (Y/N): Y


Rules have been saved to /usr/local/avamar/lib/admin/security/entfwb_custom_config.txt
[DONE]
```

18. Restart `entfirewall` services:

```
systemctl restart entfirewall
```

After this point, you can label the Smart Scale device.

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