

How to limit one session per user on NetScaler Gateway?

Summary

Use case: An administrator wants to ensure that at any point in time a given user can only have one active session with NetScaler Gateway.

Administrators can use a session policy or the global NetScaler Gateway settings to control whether or not intranet IP addresses are assigned during a user session. They can configure address pools by using a session policy in one of the following three ways:

- **Nospillover.** When you configure address pools and the mapped IP address is not used, the Transfer Login page appears for users who have used all available intranet IP addresses.
- **Spillover.** When you configure address pools and the mapped IP is used as an intranet IP address, the mapped IP address is used when an intranet IP address cannot be assigned.
- **Off.** Address pools are not configured.

For achieving the above use case (one session per user), administrators can define the IP address pool option as *Nospillover*. With this setting, when a user attempts to login while there is already a session (with IIP assigned) for this user from another device, a transfer login page appears. This page allows users to replace their existing NetScaler Gateway session with a new session. Below are the instructions for configuring the same.

Instructions:

A. From the NetScaler GUI

- I. Logon to the NetScaler GUI and follow this path: **Configuration tab ->NetScaler Gateway ->Virtual Servers**

The screenshot shows the NetScaler VPX (3000) GUI. The top navigation bar includes 'Dashboard', 'Configuration', 'Reporting', 'Documentation', and 'Downloads'. The 'Configuration' tab is active, and the path 'NetScaler Gateway / NetScaler Gateway Virtual Servers' is shown. The main content area is titled 'NetScaler Gateway Virtual Servers' and contains a table with the following data:

	Name	State	IP Address	Port	Protocol	Maximum Users	Current Users	Total Connected Users
<input type="checkbox"/>	Demp_setup	UP	10.102.216.227	443	SSL	0	0	

- II. Select the **virtual server** for which you want the client choices to be disabled and click on edit

The screenshot shows the NetScaler VPX (3000) Configuration page. The left sidebar contains a search bar and a navigation menu with categories like System, AppExpert, Traffic Management, Optimization, Security, and NetScaler Gateway. The main content area is titled "NetScaler Gateway Virtual Servers" and features a table with columns: Name, State, IP Address, Port, Protocol, Maximum Users, Current Users, and Total Connected Users. A table row is highlighted for "Demp_setup" with state "UP", IP "10.102.216.227", port "443", and protocol "SSL".

	Name	State	IP Address	Port	Protocol	Maximum Users	Current Users	Total Connected Users
<input checked="" type="checkbox"/>	Demp_setup	UP	10.102.216.227	443	SSL	0	0	

- III. Scroll down to policies section and click on **Session Policy**

The screenshot shows the "Policies" section of the configuration interface. It includes a search bar with "+ EULA" and a list of policy categories: "Request Policies", "1 Session Policy", and "6 Cache Policies". A "Done" button is located at the bottom left.

- IV. Select the bound policy and click on the **Edit** dropdown and select **Edit Profile**

The screenshot shows the "VPN Virtual Server Session Policy Binding" dialog. It contains buttons for "Add Binding", "Unbind", and "Regenerate Priorities". A table lists the binding details, and a dropdown menu is open over the "Edit Profile" button for the selected binding.

	Priority	Policy Name	Profile
<input checked="" type="checkbox"/>	0	spol1	sact1

- V. Select **Network Configuration** tab, check the **Advanced Settings** check box, select the Override Global check box & select **NOSPILLOVER** from the Intranet IP drop down menu and click on OK

[VPN Virtual Server Session Policy Binding](#) / Configure NetScaler Gateway Session Profile

Configure NetScaler Gateway Session Profile

Name

sact1

Unchecked Override Global check box indicates that the value is inherited from Global NetScaler Gateway Parameters.

Network Configuration	Client Experience	Security	Published Applications	Remote Desktop
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Override Global

DNS Virtual Server

WINS Server IP

Kill Connections*

OFF

Advanced Settings

Mapped IP*

NS

Intranet IP*

NOSPILLOVER
 SPILLOVER
 OFF

B. Alternative way from NetScaler GUI:

- I. Another alternative is to edit the session profile is from **Configuration tab -> NetScaler Gateway -> Policies-> Session.**

[NetScaler Gateway](#) / [Policies](#) / [NetScaler Gateway Session Policies and Profiles](#) / Session Policies

NetScaler Gateway Session Policies and Profiles



Session Policies 2		Session Profiles 1			
Name	Expression	Profile	Globally Bound?	Priority	
<input type="checkbox"/> SETVPNPARAMS_POL	ns_true	SETVPNPARAMS_ACT	✗	-NA-	
<input checked="" type="checkbox"/> spol1	ns_true	sact1	✗	-NA-	

- II. Select the **Pencil icon** next to **Profile**.

← Configure NetScaler Gateway Session Policy

Name
spol1

Profile*
sact1

Expression*
Operators Saved Policy Expressions Frequently Used Expressions
ns_true

OK Close

- III. Similar to A.V step above.

The session profile now has been modified.

C. From the CLI

- I. Open a command line editor and login to the NetScaler
ssh nsroot@<NetScaler IP>
- II. Run the following command
set vpn sessionaction <sessionname> useIIP NOSPILLOVER

```
> set vpn sessionaction sact1 useIIP NOSPILLOVER
Done
> █
```