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

![NetScaler GUI](image.png)
II. Select the **virtual server** for which you want the client choices to be disabled and click on edit

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

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

B. **Alternative way from NetScaler GUI:**
   1. Another alternative is to edit the session profile is from **Configuration tab** - >**NetScaler Gateway** ->**Policies** -> **Session**.

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**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.

<table>
<thead>
<tr>
<th>Network Configuration</th>
<th>Client Experience</th>
<th>Security</th>
<th>Published Applications</th>
<th>Remote Desktop</th>
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<tbody>
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<td>Override Global</td>
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**DNS Virtual Server**

**Wins Server IP**

**Kill Connections**

**Advanced Settings**

**Mapped IP**

**Intranet IP**

**NOSPILLOVER SPILLOVER OFF**

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**NetScaler Gateway Session Policies and Profiles**

**Session Policies**

Add | Edit | Delete | Action | Search |
--- | --- | --- | --- | --- |

**Name** | **Expression** | **Profile** | **Globally Bound?** | **Priority** |
--- | --- | --- | --- | --- |
| SETVPNPARAMS_POL | ns_true | SETVPNPARAMS_ACT | x | NA- |
| spool1 | ns_true | sact1 | x | NA- |
II. Select the **Pencil icon** next to **Profile**.

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> useIP NOSPILLOVER
      ```

      ```
      > set vpn sessionaction sact1 useIP NOSPILLOVER
      Done
      ```