

Add enhanced request support to Netscaler

Last Modified on 04.16.26

Enhanced request policy

Context

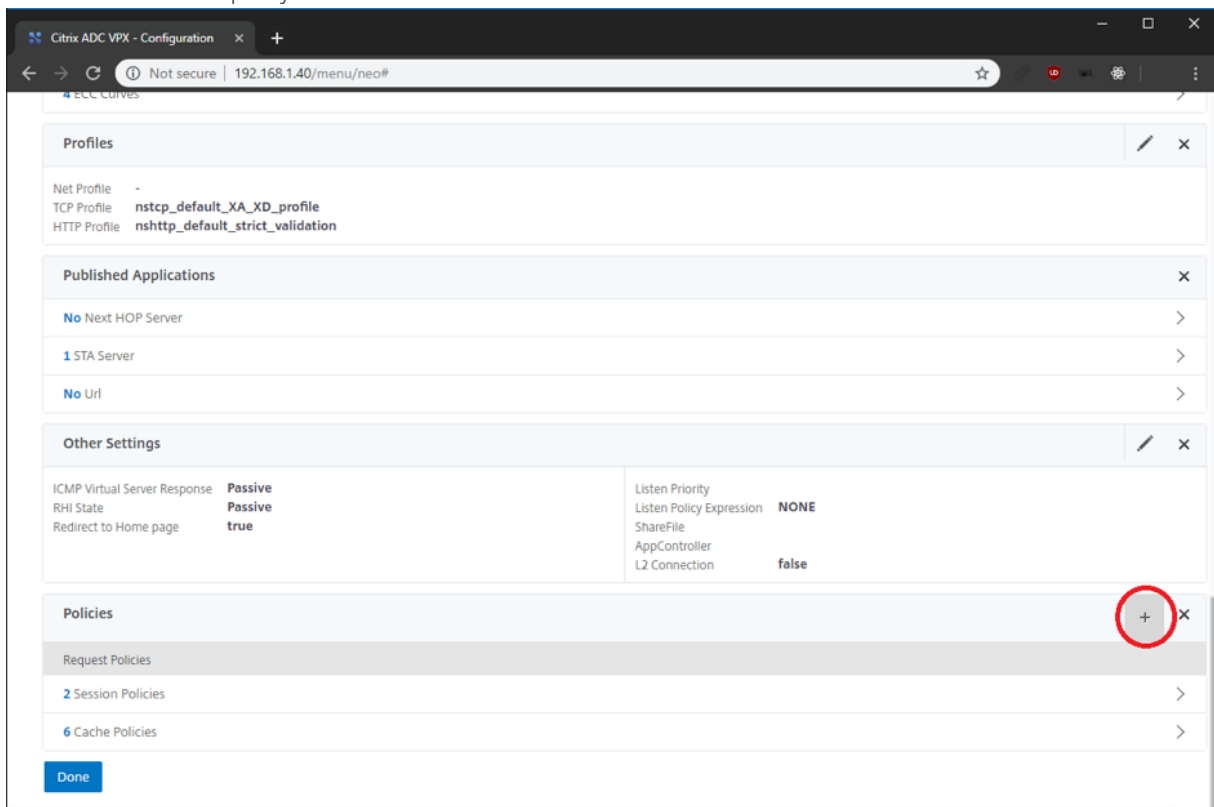
If the user is not yet authenticated, while Netscaler is configured to handle the authentication, then the first enhanced launch will fail. This is because Netscaler will not redirect the user back to the StoreFront deep link after authentication, and the user will be shown the store portal.

Solution

To fix this, an additional policy must be configured in the Netscaler to allow the custom `scripts.js` to read the NSC_TASS cookie which contains the original request URL.

The following steps describe how to add the rewrite policy.

1. In the Netscaler, navigate to the virtual server that is hosting the Citrix StoreFront.
2. On the bottom of the server overview page, add a policy with the policy type "Rewrite" / "Response".
3. Click **Add** next to the policy selection combo box.



4. Configure the policy with the following parameters:
 - **Name:** ENHANCED_REQUEST_POLICY

Recast

- Expression: HTTP.REQ.COOKIE.VALUE("NSC_TASS").LENGTH > 1

5. Click on **Add** next to **Action** and fill in the following information:

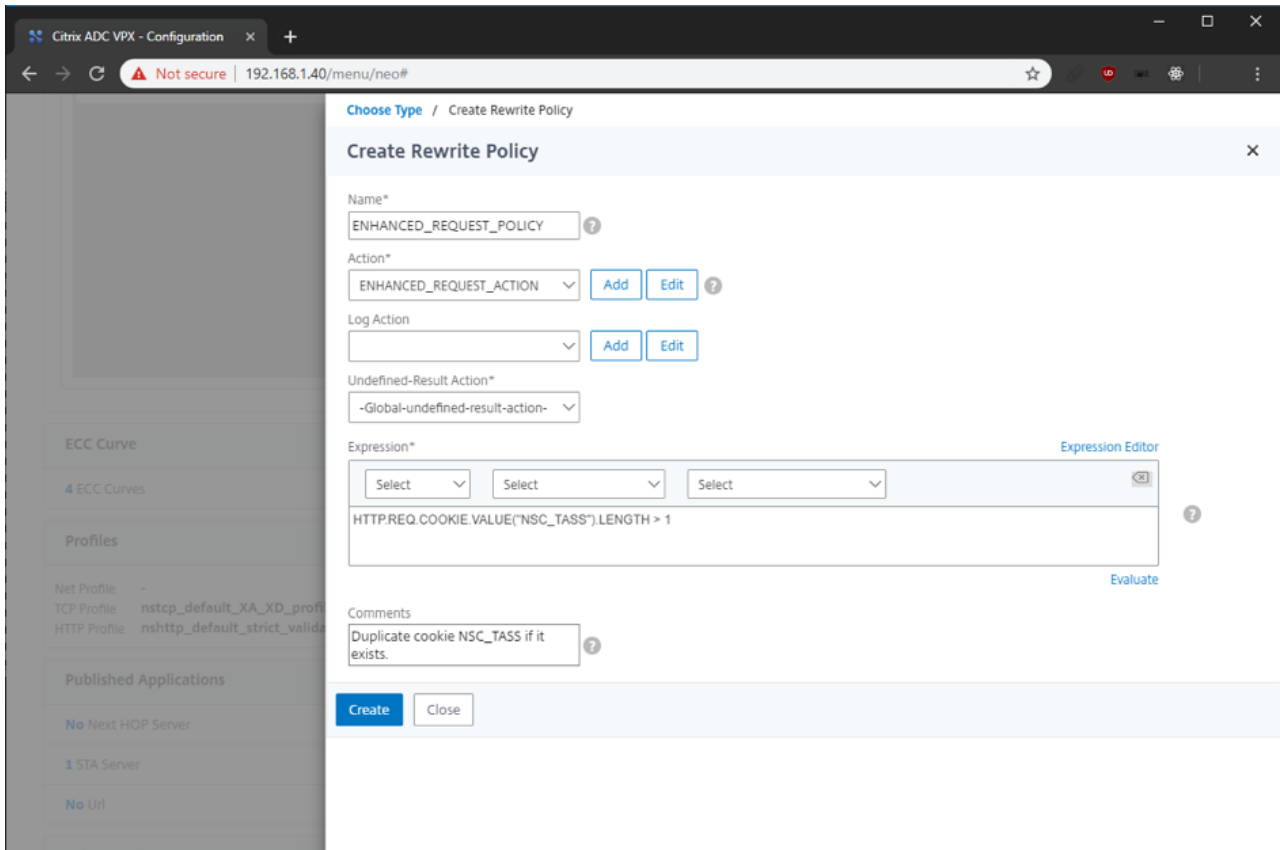
- **Name:** ENHANCED_REQUEST_ACTION
- **Type:** INSERT_HTTP_HEADER
- **Header Name:** Set-Cookie
- **Expression:** "ENHANCED_REQUEST=" + HTTP.REQ.COOKIE.VALUE("NSC_TASS") + "; Path=/"

The screenshot shows the Citrix ADC VPX Configuration interface. The main window displays the 'Create Rewrite Action' dialog box. The dialog has the following fields and options:

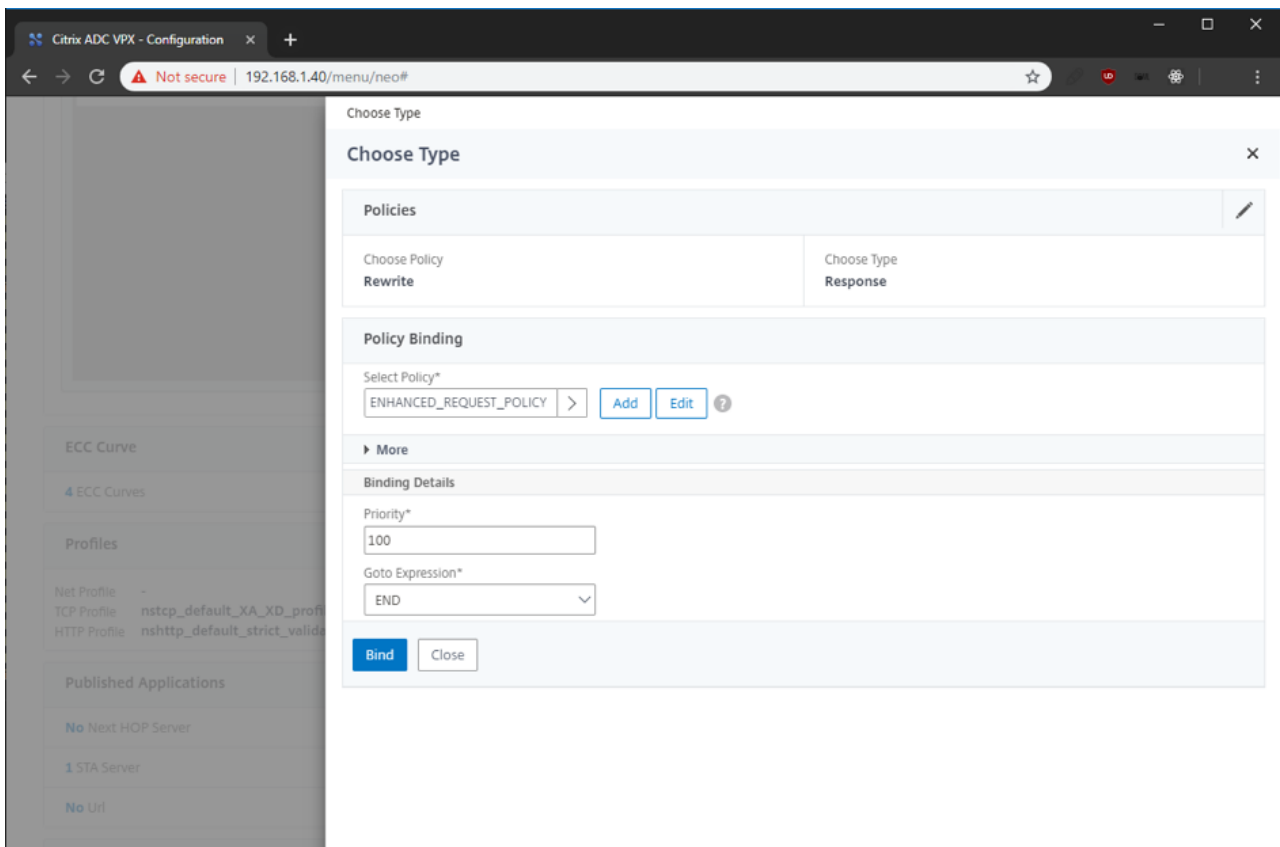
- Name***: ENHANCED_REQUEST_ACTION
- Type***: INSERT_HTTP_HEADER
- Header Name***: Set-Cookie
- Expression**: "ENHANCED_REQUEST=" + HTTP.REQ.COOKIE.VALUE("NSC_TASS") + "; Path=/"
- Comments**: Duplicate cookie NSC_TASS

At the bottom of the dialog, there are two buttons: **Create** and **Close**. The background shows a sidebar with various configuration options like ECC Curve, Profiles, and Published Applications.

6. Click **Create** at the bottom to add the new action to the policy. If rewrite is not enabled, you will be prompted to enable it.



7. In the **Choose type** page set **Goto Expression** to *NEXT*.
8. Click **Bind** at the bottom to add the new policy to the virtual server.



Recast

NCS_TASS Cookie

Context

The NCS_TASS cookie is set by Netscaler if authentication is required based on the referral. But this only happens when the cookie is not present. This causes issues with sessions that are expired, as the authentication is redone, but the cookie content is not updated.

Solution

To work around this, you can add a new rewrite policy that removes this cookie after the enhanced request policy you created in the previous section has copied the contents to the ENHANCED_REQUEST cookie.

1. In the Netscaler, navigate to the virtual server that is hosting the Citrix StoreFront.
2. On the bottom of the server overview page, add a policy with the policy type "Rewrite" / "Response".
3. Click **Add** next to the policy selection combo box.
4. Configure the policy with the following parameters:
 - **Name:** CLEAR_NCS_TASS_POLICY
 - **Expression:** HTTP.REQ.COOKIE.VALUE("NSC_TASS").LENGTH > 1
5. Click on **Add** next to **Action** and fill in the following information:
 - **Name:** CLEAR_NCS_TASS_ACTION
 - **Type:** INSERT_HTTP_HEADER
 - **Header Name:** Set-Cookie
 - **Expression:** "NSC_TASS=;HttpOnly;Path=/;Secure;expires=Wednesday, 09-Nov-1999 23:12:40 GMT"
6. Click **Create** at the bottom to add the new action to the policy.
7. In the **Choose type** page set **Goto Expression** to *NEXT* and make sure the priority is higher than that of the ENHANCED_REQUEST_POLICY created previously.
8. Click **Bind** at the bottom to add the new policy to the virtual server.

Further reading

[NetScaler documentation](#)
