

# 1 Release Notes

## Basic Information

<b>Product Model</b>	<ul style="list-style-type: none"><li>• ADS NX3-800E</li><li>• ADS NX3-2020E</li><li>• ADS NX5-4020E</li><li>• ADS NX5-6025E</li><li>• ADS NX5-8000</li><li>• ADS NX5-10000</li><li>• ADS NX5-HD6500</li></ul>
<b>Software Version</b>	V4.5R90F02.sp02
<b>Upgrade File</b>	update_ADS_x86_V4.5R90F02.sp02_20200730.zip MD5 值: 8E2BF9B0B57C00DA89DB0E4BF5492509
<b>Release Date</b>	2020.08.07
<b>How to Obtain</b>	Contact technical support personnel of NSFOCUS.

## Version Mapping

<b>Source Software Version</b>	V4.5R90F02SP02
<b>Product Model</b>	<ul style="list-style-type: none"> <li>• NSF2800-6</li> <li>• NSF3600-4</li> <li>• NSF1100-3</li> <li>• HTCA-6U</li> <li>• D.NSP-7224B-1-AC2-8G</li> </ul>
<b>Management Platform Version</b>	<ul style="list-style-type: none"> <li>• ADS M V4.5 R90F02SP02</li> </ul>
<b>Network Traffic Analyzer Platform Version</b>	<ul style="list-style-type: none"> <li>• NTA V4.5R90F02</li> <li>• NTA V4.5R90F02SP01</li> <li>• NTA V4.5R90F02SP02</li> </ul>
<b>Client</b>	N/A
<b>Other System or Tool</b>	N/A
<b>Documentation</b>	NSFOCUS ADS User Guide (V4.5R90F02SP02)

## Function Changes

- 1. The GeoIP rule adds support of speed-limit**
- 2. The group policy adds three new running-modes:protection,inactive,forwarding**
- 3. The log's management adds the protection event statistics**
- 4. Add synchronization of protocol packet in cluster**
- 5. Optimize the WebAPI of usegroup**
- 6. Modify the memory utilization calculation**
- 7. Reduce the write frequency of CF card**
- 8. Add status collection log service**

## Fixed Bugs

Bug ID	Bug Description
174887	The srout command in CLI prints redundant information when netmask is wrong

177278	Querying diversion routing table using ipv6 will leads web to be stuck when more than 1000 diversion routing tables
177280	Calling WebAPI concurrently will throws an error
177362	Importing blacklist does not delete duplicated records
180670	The ipv6 cannot add into blacklist when ipv6 addresses occur hash conflict
181362	Reboot device, clear the IP configuration, then click the save button, the IP still can be seen in the ifconfig's output
171573	Can not search the protection group through IP in the network segment

## Upgrade Path

- ADS V4.5R90F02.sp02 is upgraded from V4.5R90F02, V4.5R90F02.sp01
- The after-upgrade version will be V4.5R90F02.sp02.

## Rollback Path

- The upgraded version can be rolled back to V4.5R90F02, V4.5R90F02.sp01
- In the CLI, run the **update rollback** command to roll back the version. After the command is successfully executed, the system automatically restarts. Then the version changes back to V4.5R90F02, V4.5R90F02.sp01

## Upgrade Procedure

Make sure that configuration changes made before upgraded are saved by clicking **Save** in the upper-right corner of the web-based manager. Unsaved configuration changes will be missing after upgrade.

**Step 1** Log in to the web-based manager and choose **System > Others > System Upgrade**.

**Step 2** Click **Browse**, select the `update_ADS_x86_V4.5R90F02.sp01_20200509.zip` file, and click **Start Upgrade**.

The upgrade begins. If the system prompts errors during the upgrade, please contact technical support personnel of NSFOCUS.

**Step 3** After the system informs you that the upgrade is complete, restart the system.

- If the system cannot be restarted, the upgrade failed. In this case, contact technical support personnel of NSFOCUS.
- If the system is successfully restarted, go to Step 4.

**Step 4** Log in to the web-based manager and choose **System > Others > Version Info** to check the system version.

- If **Version** is **V4.5R90F02.sp02**, the upgrade succeeded.
- If **Version** is not **V4.5R90F02.sp02**, the upgrade failed. In this case, contact technical support personnel of NSFOCUS.

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