

# 1 Release Notes

## Basic Information

<b>Product Model</b>	ADS NX3-800E ADS NX3-2020E ADS NX5-4020E ADS NX5-6025E ADS NX5-8000 ADS NX5-10000 ADS NX5-HD6500 ADS NX5-HD4500 ADS NX3-HD2500 ADS NX1-VN
<b>Software Version</b>	V4.5R90F02.sp07
<b>Upgrade File</b>	update_ADS_x86_V4.5R90F02.sp07_20210526.zip MD5:fab2c58a4295e67ec3bc413ef7dde582
<b>Release Date</b>	2021.05.26
<b>How to Obtain</b>	Contact technical support personnel of NSFOCUS.

## Version Mapping

<b>Source Software Version</b>	V4.5R90F02SP07
<b>Product Model</b>	NSF2800-6 NSF3600-4 NSF1100-3 HTCA-6U D.NSP-7224B-1-AC2-8G D.NSP-7124A-7-AC2-8G D.NSP-7124A-8-AC2-8G
<b>Management Platform Version</b>	<ul style="list-style-type: none"> <li>• ADS M V4.5 R90F02SP09</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> <li>• NTA V4.5R90F02SP03</li> <li>• NTA V4.5R90F02SP04</li> <li>• NTA V4.5R90F02SP05</li> <li>• NTA V4.5R90F02.sp06</li> </ul>
<b>Client</b>	N/A
<b>Other System or Tool</b>	N/A
<b>Documentation</b>	NSFOCUS ADS User Guide (V4.5R90F02SP07)

## Function Changes

1. Policy templates can be added for protection groups.
2. The master and slave DNS servers can be configured. Multiple receivers can be added for a specific mail. At most two server IP addresses can be specified to receive logs via SNMP trap.
3. The cloud authentication function is optimized.
4. The remote assistance function is optimized.
5. Protection rules are added to reflection rules.
6. Local authentication is available for vADS.
7. ADS devices of different models can implement the HA function in in-path mode.

## Fixed Bugs

Bug ID	Bug Description
195588	ADS memory surges to 85% in log and SNMP monitoring.
194215	On the Real-Time Monitoring page, LEDs are red for both power supply 1 and 2 and temperatures are 0 for both the CPU and motherboard.
171116	A stored cross-site scripting (XSS) vulnerability exists in the description of manual diversion.
196997	[If the traffic diversion is ongoing, an injection interface, whether related to the diversion or not, cannot be deleted from the Injection Interfaces page.
193992	If an IP segment is specified for protection in an injection route, this route can be disabled or deleted even during the ongoing traffic diversion of such segment.
196959	The function of editing static MAC addresses in the MAC address table does not work.
197696	ADS is already properly connected to NSFOCUS cloud, while the connection status is displayed as offline.
196318	In CLI, when the info_collect start command is run, an error message is displayed.
199262	When "forbid all" is enabled as the access control rule and the configured DNS server network is inaccessible, it takes a long time to apply or save settings.
201276	If injection route inspection is canceled, manual diversion fails after being enabled.
201196	For diversion of an IPv6 segment with a 120-bit prefix, if you choose to list all IPv6 addresses in this segment, IPv6 addresses with all zeros in the last 16 bits are left out when it comes to diversion route dispatch.
201601	[External bypass switch] The password option is absent during the configuration modification of the BP2100 switch.
201327	[External bypass switch] The web page becomes unresponsive when users view the status of the BP2100 switch.
201477	[SSL license import] An SSL certificate with a private key cannot be imported on the web-based manager and a private key mismatch error

	is displayed during the import.
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## Upgrade Path

- ADS V4.5R90F02.sp07 is upgraded from V4.5R90F02,V4.5R90F02.sp01, V4.5R90F02.sp01.C236,V4.5R90F02.sp01.C236.HD,V4.5R90F02.sp02,V4.5R90F02.sp03,V4.5R90F02.sp04,V4.5R90F02.sp05,V4.5R90F02.sp06
- The after-upgrade version will be V4.5R90F02.sp07.

## Rollback Path

- The upgraded version can be rolled back to the version before upgrade.
- 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 the version before upgrade.

## 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.sp07_20210526.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.sp07**, the upgrade succeeded.
- If **Version** is not **V4.5R90F02.sp07**, the upgrade failed. In this case, contact technical support personnel of NSFOCUS.

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