

1 Release Notes

Basic Information

Product Model	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
Software Version	V4.5R90F02.sp05
Upgrade File	update_ADS_x86_V4.5R90F02.sp05_20210201.zip MD5: 5459de8855312baf36b14e4d34bbce4d
Release Date	2021.02.05
How to Obtain	Contact technical support personnel of NSFOCUS.

Version Mapping

Source Software Version	V4.5R90F02SP05
Product Model	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
Management Platform Version	• ADS M V4.5 R90F02SP07
Network Traffic Analyzer Platform Version	• NTA V4.5R90F02 • NTA V4.5R90F02SP01 • NTA V4.5R90F02SP02 • NTA V4.5R90F02SP03 • NTA V4.5R90F02SP04 • NTA V4.5R90F02SP05
Client	N/A
Other System or Tool	N/A
Documentation	NSFOCUS ADS User Guide (V4.5R90F02SP05)

Function Changes

1. The auto-learning function is optimized.
2. Top 50 attack source IP addresses can be sent via syslog
3. ADS M descriptions are added to attack logs on ADS
4. Injection routes can be retrieved
5. The A interface is upgraded to V3.0.7
6. The LDP neighbor status will be checked during MPLS injection and the diversion will be withdrawn if the neighbor is found abnormal
7. The link connectivity check function is added for active-active equal-cost routes and the corresponding diversion will be withdrawn if both routes are abnormal
8. Access to GRT 240X series bypass switches is supported
9. ADS 2020E/4020E/6025E and ADS HD6500 can be configured to implement the high availability function in in-path mode

10. Packets that are captured automatically can be uploaded to ADS M
11. Packets can be captured manually for protection groups
12. An API is added to collect basic device information
13. Some vulnerabilities are fixed

Fixed Bugs

Bug ID	Bug Description
193338	An error will be reported when the watermark protection policy involving a port range is dispatched via an API
195056	When the delete_ip API is used to delete IPv6 addresses from a protection group, it delete others than the specified ones
194612	If an IP address is specified for an injection interface before the interface is added to a port channel, this port channel does not take effect
195361	Neither the conflict check nor prefix length check is performed for IP subnets (in the format of IP address/prefix length) added via CLI
192820	No limit is placed on the number of protection groups that can be created via CLI
190767	When an IP address is added through CLI to a protection group created via CLI, multiple group_IP parameters will appear
195000	Protection groups cannot be incorrectly filtered by IP address or protection group name
190562	IPv6 addresses of RST attack sources are added to the trust list
192821	Statistical graphs of attack logs may show incorrect statistical results
190114	Equal-cost routes are not supported for label injection
189963	Contents related to the new status collection log service are not translated into English
192503	Blacklisted IP addresses, though deleted on the web-based manager, appear in the blacklist again upon the system restart
195173	For a blacklist that fails to be imported to the system, IP addresses in it

	are already written into the configuration file
194248	Once cloud-based authentication succeeds, the system will automatically disable packet forwarding

Upgrade Path

- ADS V4.5R90F02.sp05 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
- The after-upgrade version will be V4.5R90F02.sp05.

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.sp05_20210201.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.sp05**, the upgrade succeeded.
- If **Version** is not **V4.5R90F02.sp05**, the upgrade failed. In this case, contact technical support personnel of NSFOCUS.

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