

Release Notes

Basic Information

Product Model	<ul style="list-style-type: none">• ADS NX3-200E• ADS NX3-600E• ADS NX3-800E• ADS NX3-2010• ADS NX3-2020• ADS NX5-4020• ADS NX5-6025• ADS NX3-2020E• ADS NX5-4020E• ADS NX5-6025E• ADS NX5-8000
Software Version	V4.5R90F00.sp02
Upgrade File	update_ADS_x86_V4.5R90F00.sp02_20180326.zip MD5: dc3005d22b828a5ef1a961a7f8d5f0aa
Release Date	2018.3.30
How to Obtain	Contact technical support personnel of NSFOCUS.

Version Mapping

Source Software Version	V4.5R90F00
Product Model	<ul style="list-style-type: none"> • NSF1100-1 • NSF2800-2 • NSF2800-6 • NSF3600-4
Management Platform Version	<ul style="list-style-type: none"> • V4.5R90F00SP02
Network Traffic Analyzer Platform Version	<ul style="list-style-type: none"> • V4.5.61.2 • V4.5R90F00 • V4.5R90F00SP01 • V4.5R90F00SP02
Client	N/A
Other System or Tool	N/A
Documentation	NSFOCUS ADS User Guide (V4.5R90F00)

Function Changes

1.Add a new SYN algorithm "3-SeqCheck"

The 3-SeqCheck algorithm is added to both default and protection group-specific SYN flood protection policies on the web-based manager. You can select this algorithm and click Apply or Save to make it take effect.

2.Add a filter funtion for syn+ack packets on source port 80

By default, this function is disabled. It can be enabled or disabled with globalpolicy set synack-filter enable/disable command in the CLI window. When this function is enabled during ACK protection, if ACK Protection Algorithm is set to Time Sequence Check or ACK Check in the TCP Control Parameters Protection Policy area, SYN-ACK packets whose source port is 80 will be dropped. If this function is disabled, those packets will be filtered with the configured ACK algorithm.

3. The DNS Keyword Checking applied to the group extends to 20

The DNS Keyword Checking policy applied in the default DDoS parameter configuration and protection group is extended to 20.

Fixed Bugs

Bug ID	Description
133390	Edit a group containing 1024 IPs, execution time is about 30s
133033	The cluster device synchronizes the Manual Diversion, The divert environment of the slave device does not meet expectations ,but the route is still pulled successfully.
131310	ADS-M constantly synchronizes the master ADS ACL configuration to slave ADS
134616	The number of time server ntpdate processes continues to increase

Upgrade Path

- ADS V4.5R90F00.sp02 is upgraded from V4.5R90F00 or V4.5R90F00.sp01.
- The after-upgrade version will be V4. 5R90F00. sp02.

Rollback Path

- The upgraded version can be rolled back to V4.5R90F00 or V4.5R90F00. 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 V4.5R90F00 or V4.5R90F00. 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_V4.5R90F00.sp02_20180326.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 **V4.5R90F00.sp02**, the upgrade succeeded.
- If **Version** is not **V4.5R90F00.sp02**, the upgrade failed. In this case, contact technical support personnel of NSFOCUS.

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