

# 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
<b>Software Version</b>	V4.5R90F02.sp04
<b>Upgrade File</b>	update_ADS_x86_V4.5R90F02.sp04_20201022.zip MD5: 597172383afc9e1d6284b59f15c72bb2
<b>Release Date</b>	2020.10.30
<b>How to Obtain</b>	Contact technical support personnel of NSFOCUS.

## Version Mapping

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

## Function Changes

- In ADS clusters, MPLS labels learned by the master device can be synchronized to the slave device. This function can be achieved by selecting MPLS Label Synchronization in the General Settings menu of ADSM clusters.**
- Label injection is available in 6PE environments.**
- On the URL-ACL Protection Rules page under Policies, the URL monitoring function is available through the addition of the Monitor + blacklist action with related configurations to URL Protection Mode.**
- ADS-10000 can collaborate with NSFOCUS Threat Intelligence (NTI) via the switch on the NTI page under Advanced > Advanced Protection.**
- ADS-10000 supports the high availability (HA) function via the switch on the HA Configuration page under System.**
- The number of blacklisted entries synchronized from NTI is increased to 100,000.**

- 7. Amid default and group-specific protection policies, IP behavior control switches are classified in a fine-grained manner and Statistical Period is added for each switch.
- 8. On the Trusted IP page under O&M > Device Protection Status, the Clear Trust button is added to remove an IP address from the trust list.
- 9. On the Protection Event Statistics page under Logs > Protection Logs, the Clear Logs button is added to clear logs of finished events.

## Fixed Bugs

Bug ID	Bug Description
179645	When manual traffic diversion is added, selecting 15 BGP daemons will cause a diversion dispatch failure.
180559	In an ADS cluster environment, default distributed DDoS protection parameters are synchronized repeatedly.
181456	No limit is placed on how many URL-ACL rules can be configured via the web API or CLI.
187427	The web-based manager and web APIs fail to perform strict duplication checks on IP addresses involved in protection groups.
181461	Group description cannot be set via CLI.
181493	When the number of protection groups reaches the upper limit, policies of the last added group fail to be dispatched to the engine.

## Upgrade Path

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

## 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.sp04_20201022.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.sp04**, the upgrade succeeded.
- If **Version** is not **V4.5R90F02.sp04**, the upgrade failed. In this case, contact technical support personnel of NSFOCUS.

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