

NSFOCUS ADS M Release Notes

Basic Information

Product Model	<ul style="list-style-type: none">• ADS NX3-M1600E• ADS-M NX3-HD2700• ADS NX3-M-VM
Software Version	V4.5R90F05
Upgrade File	update_adsm_V4.5R90F05build20231128.zip (MD5: b7f1eb66665df8cbbd5b19deadc771df)
Release Date	2023-12-04
How to Obtain	Contact NSFOCUS technical support.

Version Mapping

Source Software Version	V4.5R90F04SP04
Product Model	<ul style="list-style-type: none"> • ADS NX3-M1600E • ADS-M NX3-HD2700 • ADS NX3-M-VM
Managed Device Version	<p>ADS versions for collaboration:</p> <ul style="list-style-type: none"> • V4.5R90F03 – V4.5R90F03SP03 • V4.5R90F04 – V4.5R90F04SP05 • V4.5R90F05 <p>ADS versions the adaptation applies to (other versions do not support ADS M's region management and intelligent protection):</p> <p style="padding-left: 40px;">V4.5R90F05</p> <p>NTA-DFI versions for collaboration:</p> <ul style="list-style-type: none"> • V4.5R90F03 – V4.5R90F03SP02 • V4.5R90F04 – V4.5R90F04SP03 • V4.5R90F05 <p>NTA-DFI versions the adaptation applies to (other versions do not support ADS M's management of their region security):</p> <p style="padding-left: 40px;">V4.5R90F05</p> <p>NTA-DPI versions for collaboration:</p> <ul style="list-style-type: none"> • V4.5R01M01SP08 – V4.5R01M01SP10 • V4.5R90F04 – V4.5R90F04SP03 • V4.5R90F05 <p>NTA-DPI versions the adaptation applies to (other versions do not support ADS M's management of their region security):</p> <p style="padding-left: 40px;">V4.5R90F05</p>
Client	<ul style="list-style-type: none"> • Microsoft Edge • Chrome • Firefox
Other System or Tool	None
Documentation	NSFOCUS ADS M User Guide (V4.5R89F05)

Notes:

Make sure that this version is used together with an ADS or NTA version listed in the **Managed Device Version** row. Otherwise, the collaboration function will be unable to work properly.

New and Optimized Functions

No.	Function Description
1	The region module is optimized for adaptation to ADS/NTA V4.5R90F05.

No.	Function Description
2	The smart protection system is optimized.
3	The system should display an expiration warning when the license of its managed device is about to expire and after the license has expired.
4	The license expiration warning can be sent via email.
5	On first login, new system users or Portal users should change their initial passwords before performing other operations.
6	The cluster management function is improved.
7	Known bugs are fixed.

Upgrade and Rollback Paths

ADS M V4.5R90F05 can be upgraded from V4.5R90F04SP04.

Note:

After being upgraded to V4.5R90F05, ADS M cannot be rolled back to the source version.

Upgrade Procedure

Make sure that the source version of ADS M is V4.5R90F04SP04. If not, contact NSFOCUS technical support for upgrade of the current version to the specified version.

To perform the upgrade, follow these steps:

- Step 1** Log in to the web-based manager of ADS M.
- Step 2** Choose **Administration > Local Settings > System Upgrade**.
The **System Upgrade** page appears.
- Step 3** Browse to the upgrade file **update_adsm_V4.5R90F05build20231128.zip** <http://update.intra.nsfocus.com/upgrade/getAttachment/id/26510>. Then click **Upload**.
- Step 4** After the upgrade package is successfully uploaded and the version number is confirmed to be correct, click **OK** to start the installation.

The system informs you that the system is upgrading and will restart. **If no message is displayed, please wait 10 minutes. Then the system will automatically restart.**
- Step 5** Refresh the web-based manager. Click **About** in the upper-right corner of the manager to check the current system version.
- If **Product Version** is **V4.5R89F05** and **Build Date** is **20231128**, the upgrade succeeded.
 - If **Product Version** is not **V4.5R90F05** or **Build Date** is not **20231128**, the upgrade failed. In this case, contact NSFOCUS technical support.

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Description of Function Changes

1 Addition of Programmable Rules to IP Group Protection Policies

For adaptation to ADS V4.5R90F05, programmable rules are supported for IP group protection policies in the region module of ADS M. Specifically, when creating or editing an IP group, you can configure a programmable rule for this IP group.

Reflection Protection Policy			
Device	Status	Rule	Operation
ADS10000	Disable	0	

Anomalous Packet Filtering Rules	
Invalid SYN Packet Filter	Enable
UDP Port 80 Filtering	Enable
LAND Filtering	Enable
HTTP Filtering	Disable

Programmable Rules			
Device	Status	Rule	Operation
ADS10000	Disable	0	

Back Next

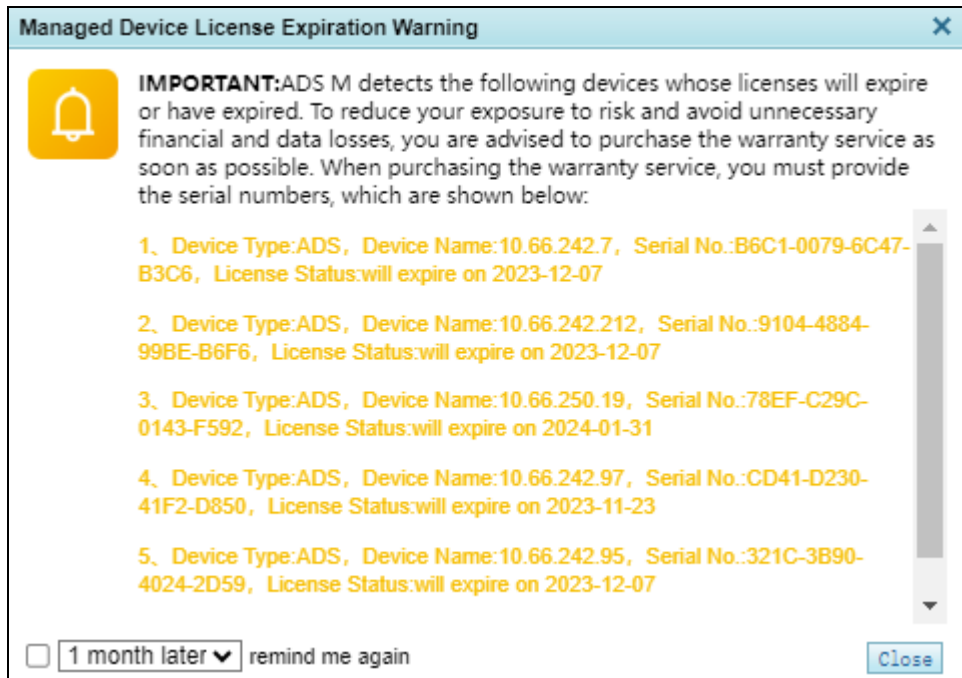
2 Addition of Botnet and IP Behavior Control to IP Group Protection Policies

For adaptation to ADS V4.5R90F05, the botnet and IP behavior control policy is supported for IP group protection policies in the region module of ADS M. Specifically, when creating or editing an IP group, you can configure a botnet and IP behavior control policy for this IP group.

Rule Name	Enable	Access Control	Period	Threshold Unit	Traffic Threshold	Blacklist Threshold	Consecutive Abnormal Cycles
SYN Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	400 Packets	400 Packets	3
GET/POST Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	200 Packets	200 Packets	3
ACK Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	400 Packets	400 Packets	3
DNS Query Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	200 Packets	200 Packets	3
SIP Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	200 Packets	200 Packets	3
UDP Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	400 Packets	400 Packets	3
Other Packets	No	Rate-limiting	4 (s)	<input checked="" type="radio"/> Packets <input type="radio"/> Bytes	400 Packets	400 Packets	3
Empty Connection Check		Disable					

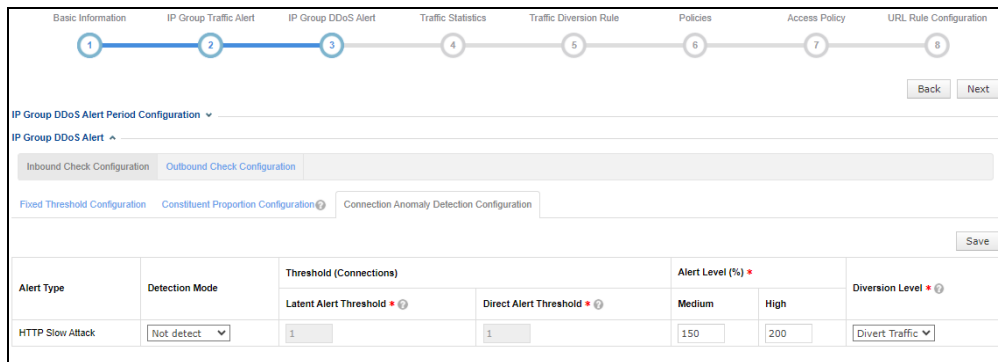
3 License Expiration Warning for Managed Devices

The system displays a warning when the license of its managed devices is about to expire or has expired. The following is a sample license expiration warning.



4 Addition of Abnormal Connection Detection to Region and IP Group DDoS Alerts

For adaptation to ADS V4.5R90F05, connection anomaly detection is supported for region and IP group DDoS alerts in the region module of ADS M.



Notes

1. After ADS M is upgraded to **V4.5R90F05**, you need to choose **Administration > Third-Party Interface > Portal Configuration** and click **Deploy** to redeploy ADS Portal.
2. After the upgrade to V4.5R90F05, the default console password is restored to **nsfocus**. During the first login to the console after the upgrade, you need to type the default password and then type the original password for verification.