

# Release Notes

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## Basic Information

<b>Device Model</b>	<ul style="list-style-type: none"><li>• ADS NX3-M1600E</li><li>• ADS M NX3-HD2700</li></ul>
<b>Software Version</b>	V4.5R90F02
<b>Upgrade File</b>	update_adsm_V4.5R90F02build20200327.zip (MD5: aed49128175161646bb274cfd8510afe)
<b>Release Date</b>	2020-03-20
<b>How to Obtain</b>	Contact NSFOCUS technical support.

## Version Mapping

<b>Source Software Version</b>	V4.5R90F01SP03 through V4.5R90F01SP09
<b>Product Model</b>	<ul style="list-style-type: none"> <li>• ADS NX3-M1600E</li> <li>• ADS M NX3-HD2700</li> </ul>
<b>Managed Device Version</b>	<p>ADS versions for collaboration:</p> <ul style="list-style-type: none"> <li>• V4.5.88.15.sp13 through V4.5.88.15.sp15</li> <li>• V4.5R89F03 through V4.5R89F03SP03</li> <li>• V4.5R90F00 through V4.5R90F00SP06</li> <li>• V4.5R90F01 through V4.5R90F01SP09</li> <li>• V4.5R90F02</li> </ul> <p>ADS versions the adaptation applies to (other versions do not support ADS M's management of their region security):</p> <ul style="list-style-type: none"> <li>• V4.5R90F02</li> </ul> <p>NTA versions for collaboration:</p> <ul style="list-style-type: none"> <li>• V4.5R89F03 through V4.5R89F03SP02</li> <li>• V4.5R90F00 through V4.5R90F00SP05</li> <li>• V4.5R90F01 through V4.5R90F01SP06</li> <li>• V4.5R90F02</li> </ul> <p>NTA versions the adaptation applies to (other versions do not support ADS M's management of their region security):</p> <ul style="list-style-type: none"> <li>• V4.5R90F02</li> </ul>
<b>Client</b>	<ul style="list-style-type: none"> <li>• Internet Explorer 11</li> <li>• Chrome</li> <li>• Firefox</li> </ul>
<b>Other System or Tool</b>	None
<b>Documentation</b>	NSFOCUS ADS M User Guide (V4.5R90F02)

### Note:

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 Change/Optimization
1	The system time on NTA can be in synchronization with that on ADS M.
2	A port can be specified for ADS M to collaborate with NTA or ADS.

No.	Function Change/Optimization
3	The status of the NTP service is put under monitoring.
4	Static routes can be configured now.
5	The custom access user group is added to allow the configuration of users with custom permissions.
6	NTA's detection templates can be configured on ADS M now.
7	The <b>Countermeasures</b> page is added under <b>Traffic Monitoring</b> .
8	The region security module is optimized for adaptation to ADS V4.5R90F02 and NTA V4.5R90F02.
9	ADS authorization logs are presented on the web-based manager.
10	Alerts for CLSAP and MS SQL amplification attacks are added.
11	Messages indicating license import exceptions or faults are optimized.
12	The display of statistical reports is optimized.
13	The GeoIP library is updated.
14	Certain system vulnerabilities are fixed to make the system more secure.

## Upgrade and Rollback Paths

ADS M V4.5R90F02 can be upgraded from a version in V4.5R90F01SP03–V4.5R90F01SP09.

**Note:**

After being upgraded to V4.5R90F02, ADS M cannot be rolled back to the source version.

## Upgrade Procedure

Make sure that the source version of ADS M is within the range of **V4.5R90F01SP03** to **V4.5R90F01SP09**. If not, contact NSFOCUS technical support for upgrade of the current version to a version within this range.

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_V4.5R90F02build20200327.zip`. 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.

**Step 5** After the system informs you that the upgrade is complete, click **OK** to restart the system.

If no message is displayed to indicate installation completion, please wait 3 minutes. Then the system will automatically restart.

**Step 6** Refresh the web-based manager. Click **About** in the upper-right corner of the manager to check the current system version.

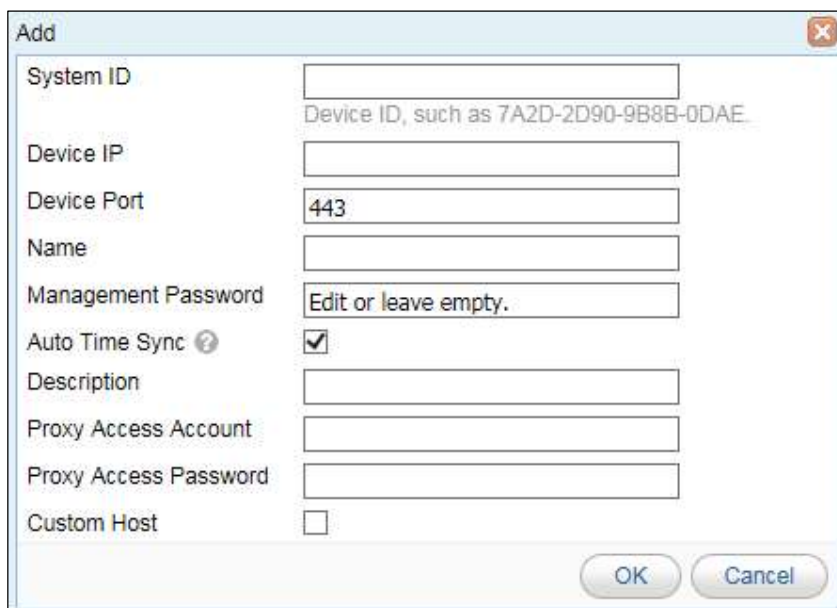
- If **Product Version** is **V4.5R90F02** and **Build Date** is **20200327**, the upgrade succeeded.
- If **Product Version** is not **V4.5R90F02** or **Build Date** is not **20200327**, the upgrade failed. In this case, contact NSFOCUS technical support.

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## Description of Function Changes

### 1. System Time on NTA in Synchronization with That on ADS M

The system time on NTA V4.5R90F02 and later can be in synchronization with that on ADS M. You can click **Auto Time Sync** when adding or editing a NTA device. After **Auto Time Sync** is selected, the system time on NTA can be in synchronization with that on ADS M.



### 2. Port Configurable for ADS M to Collaborate with NTA or ADS


When adding or editing a managed device on ADS M, you can configure a port for collaboration between ADS M and the managed device. The default port is 443.

The 'Add' dialog box contains the following fields and options:

- System ID: [Empty text box]
- Device ID, such as 7A2D-2D90-9B8B-0DAE: [Empty text box]
- Device IP: [Empty text box]
- Device Port: 443
- Name: [Empty text box]
- Management Password: Edit or leave empty.
- Auto Time Sync:
- Description: [Empty text box]
- Proxy Access Account: [Empty text box]
- Proxy Access Password: [Empty text box]
- Custom Host:

Buttons: OK, Cancel

### 3. NTP Service Status Put Under Monitoring

The status of the NTP server is displayed under **Administration > Local Settings > Basic Settings**.  indicates that the NTP server runs properly.

NTP Server	1.pool.ntp.org 	
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After **NTP Exception Alert** is set to **Open** under **Administration > Local Settings > Performance Alert Config of Managed Devices**, when ADS M detects that the NTP service does not run improperly, the system generates a performance alert log.

### 4. Custom Access User Added to Allow the Configuration of Users with Custom Permissions

Under **Administration > User and Audit > User Management**, the option **Custom access user** is added for **User Group**. After **User Group** is set to **Custom access user**, you can configure whether the current user has access to **Log, Region, Device Management, and Administration**.

### 5. NTA's Detection Templates Added

ADS M now allows users to create and edit region alert templates and IP group alert templates. The template configured here can be selected and applied during configuration of a region or IP group on ADS M. The following figure shows the page for configuring a region alert template.

### 6. Countermeasures Page Added Under Traffic Monitoring

Under **Traffic Monitoring**, the **Countermeasures** page is added for displaying dropped attack traffic based on different protection policies. In addition, **Traffic Distribution by DDoS Protection Policy** is added to DDoS attack reports.



## 7. ADS Authorization Logs Presented on the Web-based Manager

Cloud authentication logs of vADS are displayed under **Log > ADS Authorization Log**.