

Motorola Solutions Technical Notification (MTN)

TITLE: Introducing Microsoft Edge (Chromium Edition) as an additional browser on NM Clients, limited for use by applications unsupported by IE 11.

TECHNOLOGY: ASTRO 25

SYMPTOMS:

- Application incompatibility between IE 11 and Fortinet WebGUI
- Application incompatibility between IE 11 and DAS 4525 Web UI
- A system that has ESXi 7.x and/or vCenter 7.x installed
- Any system that does not have Edge ready installed on an NM Client's

MODELS / SYSTEM RELEASES / KITS / DATE CODES AFFECTED:

ASTRO L&M system releases from A2020.x to current.

SEVERITY RECOMMENDATION:

Low / Maintenance - Perform if any of the symptoms above are true.

ROOT CAUSE / DEFINITIVE TEST:

- Fortinet WebGUI and DAS 4525's Web UI require a newer web browser to use certain features.
- ESXi 7.x & vCenter 7.x require a newer web browser

NOTES: The edge browser is only to be used with the DAS 4525 Web UI, Fortinet WebGUI, ESXi 7.0 and VCenter 7.0, all other interfaces are still supported only by IE11. UEM web interface will continue to be launched via IE11. The UEM server is updated as part of this MTN because changes were made in UEM web interface to allow for compatibility with external web interfaces

CORRECTIVE ACTIONS:

L & M Core:

- Update Domain Controller GPO's following Import Procedure
 - **Please see [Appendix A](#)**
- Update your UEM - see Upgrading Linux-Based Virtual Machines section in the Private Network Management Servers manual..
- Install updated components for a device NM Client (see: chapter 1.4 Installing Components Located on the Windows Supplemental Media from "Windows Supplemental Configuration Setup Guide")

RESOLUTIONS AND REPAIR PROCEDURES:

- N/A at this time.

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PARTS REQUIRED (HARDWARE/SOFTWARE):

- UEM - KC877V0AW000200105 or later
- Supplemental Media
 - Windows Supplemental Full Config - KC877V087000200107 or later
 - Windows Supplemental Trans Config - KC877V088000200107 or later

ADDITIONAL INFORMATION:

- **L&M Core** - Only an NM Client is certified to run the Edge Browser
- **NOTICE:** Edge Browser is certified for use with the following web interfaces from the above referenced boxes: Fortinet WebGUI, DAS 4525, ESXi 7.x, and vCenter 7.x Web Client interfaces. All other ASTRO web interfaces and products still only support IE11.

REFERENCE THE FOLLOWING DOCUMENTS/PROCESSES FOR INSTALLATION PROCEDURES:

- Private Network Management Servers manual
- Private Network Management Client Feature Guide
- Windows Supplemental Configuration Setup Guide

WHEN TO APPLY RESOLUTION:

When symptoms are observed.

Domain Controller Plugin Media used for the ASTRO Upgrade is lower than KC877C04C000200110

LABOR ALLOWANCE:

This is an informational bulletin. No labor warranty is implied, intended or authorized for U.S. Domestic Partners/Customers. Other regions should follow their own standard procedures.

For assistance with this bulletin please contact your MSI Technical support center

https://www.motorolasolutions.com/en_us/support.html

Appendix A – Import EDGE GPO

Before You Begin:

- Make sure that all Domain Controllers are online
- Make sure that the Active Directory is healthy, by checking at least:
 - o dcdiag doesn't return any failure
 - o replication of SYSVOL works fine
- Obtain the following:
 - o Windows Supplemental Media
 - o Domain Administrator account name
 - o Domain Administrator account password

See “User Input Requirements – Domain Controller Configuration” and contact your system administrator if necessary.

Notes:

- **Perform this procedure on system-level DC (UCS-DC01) only.**
- Any changes made using this procedure will be replicated to the other domain controllers. The replication time depends mainly on the number of domain controllers in the environment. By default, the replication time between domain controllers takes place every 15 minutes, so the replication time will take 15 minutes multiplied by the number of domain controllers in the system. Replication time also depends on the amount of data that needs replication.

Import GPOs from Supplemental CD:

1. Open system-level DC (UCS-DC01) virtual machine console located in the primary core.
2. Mount the Supplemental CD ISO image to the virtual CD drive of the domain controller virtual machine.
Note: The supplemental CD ISO is presented as an E: drive on the first system level DC. For more details see “Connecting a Drive or ISO to a Virtual Machine” on page 26 in Windows Supplemental Configuration Setup Guide.
3. Log in to the system-level DC (UCS-DC01) with domain admin account.
 - a. You can see the desktop of the system-level DC (UCS-DC01).
4. Open PowerShell command line as an Administrator.
 - a. Click **Search** and type: **PowerShell**.
 - b. Right click the **PowerShell** icon and select “**Run as administrator**”.
 - c. If the **User Account Control** window appears, click **Yes**.
If you are not logged on with an administrative account, enter the Administrator credentials.
 - d. In the PowerShell window, type:
Get-Childitem -Path "C:\Windows\Sysvol\Domain\Policies" -Recurse | Where-Object { \$_.Attributes -match "ReadOnly" } | ForEach-Object { \$_.Attributes -= 'ReadOnly' } and press **Enter**.
5. Open the Group Policy Management Console (GPMC).
 - a. Click **Search** and type: **gpmc.msc**
 - b. Group policy management window opens.
 - c. Expand in the left pane of GPMC tree: **domain - (for example, ucs.astro)** (See Figure 1: GPMC.msc).

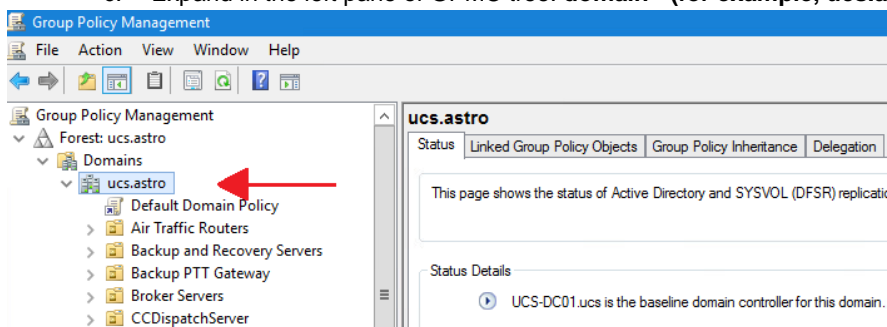


Figure 1: GPMC.msc

- d. Open **Group Policy Objects** folder on your domain (See Figure 2: Group Policy Objects).

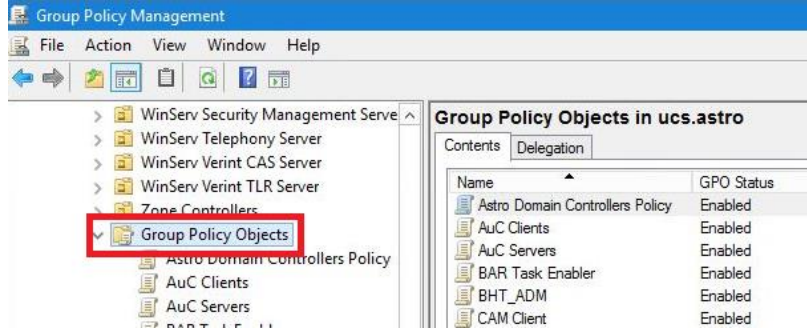


Figure 2: Group Policy Objects

6. Create a new GPO
 - a. Right click on **Group Policy Objects** and choose **New**
 - b. Enter a Name: **DHT_EDGE_ADM** and click **OK**
7. Select GPO **DHT_EDGE_ADM**.
 - a. Click **DHT_EDGE_ADM** GPO object.
8. Import settings for **DHT_EDGE_ADM** GPO.
 - a. Right-click on **DHT_EDGE_ADM** GPO object and choose **Import Settings**.
NOTICE: Double check that you are importing the right GPO, because every GPO import triggers a domain synchronization process. The process takes time and must be completed before the next attempt to import.
 - b. In **Import Settings** wizard window, choose **Next**.
 - c. Back up the current GPO settings:
NOTICE: Perform this step if a GPO policy already existed in the system.
 - i. To choose the backup folder for current settings of GPO, click the **Backup** button.
 - ii. In the next window, click **Browse** and choose the folder to upload the settings.
 - iii. Fill in the **Description** field. Provide a proper explanation of the backup, for example: "Previous state of test GPO settings".
 - iv. Click the **Backup** button and **OK**.
 - d. Click **Next** to continue. A new window appears
 - e. Click **Browse**.
 - f. Choose E: (Supplemental CD) drive to get GPO in the Browse folder window.
 - g. Navigate to **E:\Active Directory\Data\GPO** and click **OK**.
 - h. Click **Next**.
 - i. From the GPO list, choose **DHT_EDGE_ADM** and click **Next**.
 - j. Wait until the wizard scans the backup folder, check results and click **Next**.
 - k. If a screen appears to specify how to transfer references to security principals and UNC paths, select **"Using this migration table to map them in the destination GPO"** click the **Browse** button and select: **C:\Windows\Temp\updated.migtable** and then click **Next**.
NOTICE: If the updated.migtable file does not exist in location "C:\Windows\Temp". Open PowerShell command line as an Administrator and execute the following commands:
cd C:\Program Files\Motorola\AstroDC\AD\scripts
.\ConvertMigTable.ps1
 The script will create an updated.migtable file in the location: "C:\Windows\Temp".
 - l. Check the summary and click **Finish**.
9. Make sure that import was done successfully. To close the import window, click **OK**.
10. Repeat steps 6-9 for **EDGE_AHT** GPO
11. Repeat steps 7-9 for **BHT_ADM** GPO
12. After operation completion, unmount the Supplemental CD/DVD Media from the virtual CD/DVD drive of the Domain Controller.

Link GPO to the particular Organizational Unit (OU)

1. Link **DHT_EDGE_ADM** to all Windows-based OUs
 - a. Left click on **Domain Controllers** OU
 - b. Right click on **Domain Controllers** OU and choose **Link an Existing GPO...**
 - c. On the list select **DHT_EDGE_ADM** and click **OK**

- d. Go to **Linked Group Policy Object** tab.
- e. Using arrows on the left edge of the tab, move linked GPO up, and place it **DIRECTLY** above **DHT_IE_ADM** (See Figure 3: GPO Order)

WARNING: An incorrect order will cause the settings that GPO applies will not work properly.

Linked Group Policy Objects

Link Order	GPO	Enforced	Link Enabled	GPO Status	WMI Filter	Modified
1	Dynamic Trusted Sites	No	Yes	Enabled	None	2/9/2021
2	NMClient_Cohab	No	Yes	Enabled	None	2/9/2021
3	EDGE_AHT	No	Yes	Enabled	None	2/9/2021
4	Network Management Clients	No	Yes	Enabled	None	2/9/2021
5	AuC Clients	No	Yes	Enabled	None	2/9/2021
6	CAM Client	No	Yes	Enabled	None	2/9/2021
7	VSphere Client	No	Yes	Enabled	None	2/9/2021
8	Syslog-Win	No	Yes	Enabled	None	2/9/2021
9	BAR Task Enabler	No	Yes	Enabled	None	2/9/2021
10	RHT_ADM	No	Yes	Enabled	None	2/9/2021
11	BHT_ADM	No	Yes	Enabled	None	2/9/2021
12	DHT_EDGE_ADM	No	Yes	Enabled	None	2/9/2021
13	DHT_IE_ADM	No	Yes	Enabled	None	2/9/2021
14	DHT_EMET_ADM	No	Yes	Enabled	Windows_10_1507_...	2/9/2021
15	DHT_ADOBE_READER_ADM	No	Yes	Enabled	None	2/9/2021
16	DHT_WINDOWS_DEFENDER_ADM	No	Yes	Enabled	None	2/9/2021
17	DHT_7_ADM	No	Yes	Enabled	Windows_7	2/9/2021
18	DHT_10_ADM	No	Yes	Enabled	Windows_10	2/9/2021

Figure 3: GPO Order

2. Repeat step 1 for the following Organizational Units (OUs):

- WinClient Authentication Client
- WinClient Console Alias Manager
- WinClient CTI Client
- WinClient CTI Server
- WinClient Gold Elite Consoles Ops
- WinClient Graphical Workstations
- WinClient Group Data Gateway
- WinClient MCC7100 IP Consoles
- WinClient MCC7100 IP Consoles with Ext Voice Encryption
- WinClient MCC7100 Patch IP Consoles
- WinClient MCC7100 Patch IP Consoles with Ext Voice Encryption
- WinClient MCC7500E IP Consoles
- WinClient MCC7500E IP Consoles with Ext Voice Encryption
- WinClient MCC7500E Patch IP Consoles
- WinClient MCC7500E Patch IP Consoles with Ext Voice Encryption
- WinClient Network Management Clients
- WinClient NICE Playback Stations
- WinClient PRX7000 Console Proxy
- WinClient Transcoder with AES only
- WinClient Transcoder with Ext Voice Encryption
- WinClient Verint Replay Station
- WinClient VPM Based MCC7500 AIS Servers
- WinClient VPM Based MCC7500 Console Ops
- WinClient VPM Based MCC7500 Patch Consoles
- WinServ Authentication Center Server
- WinServ CENTRACOM Gold Server
- WinServ Console Telephony Gateway - NEC

- WinServ Graphical Master Computers
- WinServ InfoVista Server
- WinServ NICE Backup Server
- WinServ NICE Inform Backup Servers
- WinServ NICE Inform Recorders
- WinServ NICE Logging Recorders
- WinServ On Premises Security Operations Center
- WinServ Security Management Servers
- WinServ Telephony Servers
- WinServ Verint CAS Servers
- WinServ Verint TLR Servers

Link EDGE_AHT GPO to WinClient Network Management Clients Organizational Unit (OU)

1. Link **EDGE_AHT** to **WinClient Network Management Clients** OU
 - a. Left click on **WinClient Network Management Clients** OU
 - b. Right click on **WinClient Network Management Clients** OU and choose **Link an Existing GPO...**
 - c. Select **EDGE_AHT** from the list and click **OK**
 - d. Go to **Linked Group Policy Object** tab.
 - e. Using arrows on the left edge of the tab, move linked GPO up, and place it **DIRECTLY** above **Network Management Clients** GPO (See Figure 4: WinClient Network Management Clients GPO Order)

WARNING: An incorrect order will cause the settings that GPO applies will not work properly.

WinClient Network Management Clients							
Linked Group Policy Objects		Group Policy Inheritance	Delegation				
Link Order	GPO	Enforced	Link Enabled	GPO Status	WMI Filter	Modified	
1	Maintenance_Mode	No	Yes	Enabled	None	3/30/2021 ...	
2	Dynamic Trusted Sites	No	Yes	Enabled	None	2/5/2021 1...	
3	NMClient_Cohab	No	Yes	Enabled	None	3/30/2021 ...	
4	EDGE_AHT	No	Yes	Enabled	None	3/30/2021 ...	
5	Network Management Clients	No	Yes	Enabled	None	3/30/2021 ...	
6	AuC Clients	No	Yes	Enabled	None	3/30/2021 ...	
7	CAM Client	No	Yes	Enabled	None	3/30/2021 ...	
8	VSphere Client	No	Yes	Enabled	None	3/30/2021 ...	
9	Syslog-Win	No	Yes	Enabled	None	3/30/2021 ...	
10	BAR Task Enabler	No	Yes	Enabled	None	3/30/2021 ...	
11	RHT_ADM	No	Yes	Enabled	None	3/30/2021 ...	
12	BHT_ADM	No	Yes	Enabled	None	3/30/2021 ...	
13	DHT_IE_ADM	No	Yes	Enabled	None	3/30/2021 ...	
14	DHT_EDGE_ADM	No	Yes	Enabled	None	3/30/2021 ...	
15	DHT_EMET_ADM	No	Yes	Enabled	Windows_10...	3/30/2021 ...	
16	DHT_ADOBE_READER_ADM	No	Yes	Enabled	None	3/30/2021 ...	
17	DHT_WINDOWS_DEFENDE...	No	Yes	Enabled	None	3/30/2021 ...	
18	DHT_7_ADM	No	Yes	Enabled	Windows_7	3/30/2021 ...	
19	DHT_10_ADM	No	Yes	Enabled	Windows_10	3/30/2021 ...	

Figure 4: WinClient Network Management Clients GPO Order



Motorola Solutions Software Factory

Software Order Form

Phone Number: (800) 221-7144

SECTION 1: General Information

NOTE: PRICE QUOTES GIVEN BY UOST ARE VALID FOR ONLY 90 DAYS

Date _____
System ID _____
System Name _____
Customer
Name _____

Case Number _____
Site ID _____
Site Name _____

Form
Completed by _____
Organization _____
Phone
Number _____
Pager
Number _____
Fax Number _____

Field Contact _____
Organization _____
Phone Number _____
Pager Number _____
Fax Number _____

SECTION 2: Order Information

Product Type: _____

Serial Number _____

Reason for Software / Hardware Change:
Downgrade? If so, list current and target releases.

Software / Hardware Description:

Part # or Version #

Quantity

Date Required

SECTION 3: Shipping / Billing Information

Ship To:

Email:

Attn:

Phone:

Customer Billing

P.O. #:

CUST #:

TAG #:

Bill To:

Attn:

Phone:

Internal Billing

PROJECT #:

FSB #:

DEPT #:

APC #:

Software Order Form

Motorola Solutions Software Factory

Phone Number: (800) 221-7144

- ° This form has been sent to you because you have requested an order from the *Motorola Solutions Software Factory Team*.
- ° Please fill out the order form and email back to the *Motorola Solutions Software Factory Team*
- ° If desired, please provide your email address on the order form and we will provide a tracking number when your order ships for your convenience.
- ° Orders will normally be processed in 3-5 business days once all information has been received.
- ° If additional space is required for software information, please use the optional addendum on page 3 below in addition to the original order form. This form is for use with large orders with multiple part numbers.

NOTE:

- 1) If this is SSA CUSTOMER please order via Motorola factory order.
- 2) Limited Liability is Implied to the maximum of order amount.
- 3) Price quotes provided by SCHSWF are valid for 90 days

Thank you and have a good day!

Supplemental Order Information Addendum

(Optional)

Software Description

Part# or Version #

Quantity:

Software Description

Part# or Version #

Quantity:

Software Description

Part# or Version #

Quantity:

Software Description

Part# or Version #

Quantity:

Software Description

Part# or Version #

Quantity:
