Update tool for NGSME9AVB

12.03.2024

Contents

Updating the NGSME9AVB device	3
Installing the webserver	3
Updating the AVB software	5

Updating the NGSME9AVB device

Installing the webserver

To install the webserver, which enables management capabilities of the NGSME9AVB switch, you first need to extract all contents of the updateNGSME9AVB.zip to the same folder.



Screenshot 1: File structure of unzipped folder

Now you must connect your PC to the rear MGMT port of the NGSME9AVB device you want to update. Next, it is required that you set the IP of your connected ethernet port to an IP in the range 10.0.0.3-10.0.0.255 with the netmask being set to 255.255.255.0 or subnet prefix length set to 24.

Network profile		
Public		
Your PC is hidden from other for printer and file sharing.	devices on the network and can't be used	
O Private		
For a network you trust, such discoverable and can be used	as at home or work. Your PC is for printer and file sharing if you set it up.	
Configure firewall and security	y settings	Edit IP settings
Metered connection		Manual ~
If you have a limited data plan and want more control over data usage, make this connection a metered network. Some apps might work differently to reduce data usage when you're connected to this network.		IPv4 On
Set as metered connection		IP address
Off		10.0.0.4
If you set a data limit, Windov for you to help you stay unde	vs will set the metered connection setting r your limit.	Subnet prefix length
Set a data limit to help contro	I data usage on this network	24
		Gateway
IP settings		10.0.255
IP assignment:	Manual	
IPv4 address:	10.0.0.4	Preferred DNS
IPv4 subnet prefix length:	24	1.1.1.1
IPv4 gateway:		
IPv4 DNS servers:	1.1.1.1 1.0.0.1	Alternate DNS
		1001

Screenshot 2: Example of valid network settings

With everything configured as described, the next step is to run the .exe file in the folder using a shell like cmd or PowerShell. Navigate to the folder that holds the extracted files using the cd command. From this folder you can simply run ./updateNGSME9AVB.exe and the tool should be giving you status updates while performing the update of the NGSME9AVB device.

🔀 Windows PowerShell		
PS C:\Users\	\Desktop\updateNGSME9AVB>	.\updateNGSME9AVB.exe
Starting Update	2	
20% done		
40% done		
60% done		
80% done		
95% done		
Update finished	1!	
Rebooting		

Screenshot 3: Output log of the update tool

With the update finished, the network switch will reboot, after which the webserver interface becomes available. The interface can be reached by connecting to the IP 10.0.0.2 in your standard web browser. HTTPS is supported with a self-signed certificate, which you would need to allow prior to connecting. Alternatively, you can just connect via HTTP.

0 0 ■ Metawork 4300 x + 4 C ▲ Not secure 108.02	ه - ه بې ۵ ۵ ټ ټ ټ ټ ۴
<u>UIVGOI</u>	
PROFESSIONAL	
	Login
Username: Password:	Login

Screenshot 4: Login page of the webserver

The login credentials are:

Username: admin

Password: admin

Updating the AVB software

After logging in you will be greeted by the following landing page:



Screenshot 5: Landing page of the webserver

Here, you can now perform an AVB update by following these steps. Click the UPDATE button to get to the update page:



Screenshot 6: Update page of the webserver

Click on AVB UPDATE to get to the AVB update overview:

ebserver ALISCO × +		
ecure 10.0.02/update/avb		R A 🟠 C I
$\Delta I / \Delta \Delta$	A 1	
PROFESSIONAL		
	No file chosen	
	SELECT FILE UPDATE	
	BACK	

Screenshot 7: AVB update page of the webserver

Now you can click on select file. This will open your standard file browser, allowing you to select a file for upload. Please select the xl4avb-armada_arm64.deb.gpg file provided to you.



Screenshot 8: AVB update page of the webserver with update package being selected

Lastly you need to click on "UPDATE" to update the AVB software of your device. A loading symbol should appear. After a few seconds you will be redirected to the following page, if the update was successful:



Screenshot 9: Successful update attempt

The Back button will bring you back to the landing page described earlier. Here you can check if the update was successful by clicking the VERSION button. Here you should see the following software versions (as of 2024-03-12).

jes 🕼 🗖 🗋 10.0.0.2/version x +					
C A Not secure 10.0.0.2/version					
Firmware Version : 1.0.1					
Kernel Build: 4.14.76-17.0.2					
AVB Package Version: 1.5.4f					
Tag: AVNU Certified R1					
#38 SMP PREEMPT Fri Mar 26 15:12:13 CET 2021					
Webserver Version: 1.0.8					
Back					

Screenshot 10: Example of the version output

You should make sure that the AVB Package Version and Webserver Version match the information provided to you (as of 2024-03-12: 1.5.4f for AVB and 1.0.8 for webserver).

Further configuration of the AVB software is possible by using the configuration options in the SETTINGS tab, which you can find on the landing page. This allows you to switch between AVNU and MILAN standards for example.