

CloudView NMS. Using iPhone/iPad Web Application as CloudView GUI Client. Step-by-step guide.

www.cloudviewnms.com

We are currently working on user manuals to describe all the richness of CloudView GUI. There is a lot to describe. Currently it describes just enough to let you start with the above topic. Please install the latest copy of CloudView (or CloudView 30 days Trial which is the same package) to see the latest copy of this document.

WARRANTY

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Important: if you configured HTTPS (secure HTTP) in the CloudView NMS Server "Web Server Configuration" window, you need also to generate self-signed certificate and import it into your iPhone/iPad device. The "Web Server Configuration" window is available both in local server GUI and remote GUI under "Main Menu->Options" or "Main Menu->Internet Options".





After you done the above, to import the certificate simply e-mail the file myca.cert (found under <cloudviewroot>/web directory) to yourself as attachment. Open the e-mail in your iPhone/iPad and tap the attachment. You will be suggested to **install the certificate** and **make it trusted**, so please do so. Making the self-signed certificate **trusted** in IOS higher than 10.3.x requires additional action. On your iPhone/iPad go to Settings->General->About->Certificate Trust Settings and set the certificate you just installed to be **trusted**.

If you do not perform the above procedure, you will still be able to connect but the Web GUI dialogs will work slowly and timeout frequently, some of the dialogs will not work. So it is strongly recommended to do the above, if you are using HTTPS.

Please note that if you are accessing CloudView NMS web GUI from outside of your corporate network, for example, like this: https://cloudviewnms.mydomain.com:4430 The CN parameter should be cloudviewnms.mydomain.com



1. Locate "Safari" App icon and tap it to start Safari Web Browser.

2. In the URL Address Bar, enter http://<ipaddressofserver> to connect to the CloudView NMS server. Depending on how you configured Web Server in the "Internet Options->Web Server Configuration" dialog from main menu on CloudView Local Server GUI, you may need to enter something like below:

- 2.1. http://192.168.1.7 Web Server is running on 192.168.1 7, http, port 80, (default)
- 2.2. <u>http://192.168.1.7:8080</u> Web Server is running on 192.168.1 7, http, port 8080,
- 2.3. <u>https://192.168.1.7</u> · Web Server is running on 192.168.1 7, https (secure), port 443,

2.4. <u>https://192.168.1.7</u>:1234 - Web Server is running on 192.168.1 7, https (secure), port 1234
You can also use full qualified domain name like <u>www.myserver.com</u> instead of IP Address.
3. After you connected, you will see something like below.

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$\langle \rangle$ \square	192.168.1.7	c 👖	+ 🗇
	CloudView NMS		
"User Name" and "Password" are requi	CloudViewNMS Remote Access	Tap this symbol to add CloudView App icon to your home screen	
User Name: Password First time defaults: enter "Admin" as "User Name" and Alternative HTML5 'application' style GUI (better suit	: Loger "Password" empty. I leave "Password" empty. Use this lini only. Do not iPhone.	k for iPad t use it for	

In the above screen: for **iPhone**, tap the symbol indicated in the screenshot to add CloudView Web App icon to your home screen. For **iPad**, tap the "Alternative HTML5 'application style' GUI" hyperlink and you will see something like below.



For $\mathbf{iPad},$ tap the symbol indicated in the screenshot above to add CloudView Web App icon .

4. So, for **iPhone**, you see:

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< > m	192.168.1.7			c 🖞	+ 🗇
[CloudView NMS CloudViewNMS Remote A	c Message	Mail	Twitter	Facebook
"User Name" and "Password" a	are required to login:				
User Name:	Password : Logint Logint r Name" and leave "Password" empty.		00	+	
Alternative HTML5 'application' style GU	II (better suited for tablets and desktons)	Add Bookmark	Add to Reading List	Add to Home Screen	Сору

For **iPad**, you see:

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$\langle \rangle$	192.168.1.7		c 🗇 +	
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	M ClaudViewNMS Server Login	M 00		ì
	Enter credentials:	Add Bookmark Add to Reading List	Add to Cop Home Screen	у
	User Name: Admin			
	Password:			
	First time default for user 'Admin': leave the 'Password' empty.			
	Login	Logout		

5. Tap "Add to Home Screen" symbol. For **iPhone**:

iPad 穼			1:25 PM				91% 🔳
<	>		192.168.1.7		C	Û	+ 🗇
			CloudView NMS	Cancel	Add to	Home	Add
			CloudViewNMS Remote Acc	cess	CloudViewN	IMS Remo	ote Access
"User Na	ame" and "Password"	are required to login	:		http://192	.168.1.7	7
User Nam	ne:	Password :	Login1	An icon w you can q	ill be added to uickly access f	your hom his websit	e screen so te.
First time de	efaults: enter "Admin" as "Us	er Name" and leave "Passwo	rd" empty.				

For **iPad**:

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Login thtp://192.168.1.7/applic An icon will be added to your home screen you can quickly access this website.	Login http://192.168.1.7/applic. CoudViewNMS Server Login User Name: Ligin Li		Ca	ancel Add to	Home Ad
	http://192.168.1.7/applic. A loo will be added to your home screen so you can quickly access this website. CloudViewNMS Server Login Enter credentials: User Name: Admin Password: First time default for user 'Admin': leave the 'Password' empty. Login Logott		G	Login	
CloudViewNMS Server Login User Name: Admin Password: First time default for user 'Admin': leave the 'Password' empty. Login Logout	CloudViewNMS Server Login Enter credentials: User Name: Admin Password: First time default for user 'Admin': leave the 'Password' empty. Login Logout			http://192	.168.1.7/applic
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This will be an entry point to the CloudView Client GUI.

6. Tap word "Add" shown in the above screenshots in blue. This will confirm adding CloudView Web App tour home screen so it would look like any other **iPhone/iPad** App icon.



7. To start the app tap the CloudView Web App icon. For **iPhone**, you see, something like below: (notice there is no URL Address bar, which allows the whole screen for web app)

		CloudViewNMS Remote Access
	"User Name" and "Password"	" are required to login:
	User Name: Admin	Password : Logini
	First time defaults: enter "Admin" as "Us	ser Name" and leave "Password" empty.
	Alternative HTML5 'application' style G	UI (better suited for tablets and desktops)
For iPad:		
	Pad 🗢	610 PM x 83 K
	E	CloudViewNMS Server Login
		Enter credentials:
		User Name: Admin
		Password:
		First time default for user 'Admin': leave the 'Password' empty.
		Login
	L	

8. Use your credentials to login. User account credentials are defined in local CloudView Server GUI via "Options->Add/Delete Users" main menu item. For **iPhone**, you see:

CloudView NMS										
			(CloudViewN	MS Remote	Access, Use	er="Admin"			
Refres	h Logout	Views		Device/Sub	map	Network	Config			
		D	evices List,	Current Map	="main" , M	ap Health/SLA	A=60.997105 %			
Select	Device Name	Device Type	IP Address	Comm. Status	Events Status	Health/SLA %	Notepad			
<u>K</u>	sub2	SUBMAP	N/A	N/A	Normal	<u>99.730973</u>	*			
۲.	myrouter	TCPIP	192.168.1.1	Good	Normal 97.637391 *Generic TCPIP Device					
ζ.	BRN_B7E487	GENERIC	192.168.1.14	Bad	Critical	85.353925	*Brother NC-130h, Firmware Ver.0.09 ,MID 8CA-A17-001			
X	aphone	AGENT	N/A	Bad	Critical 0.000000 *aphone:192.168.1.6:45					
ζ	corporate	SUBMAP	N/A	N/A	Critical 58.163265 *					
otal 1	Number of de	vices on thi	s map: 5							
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Use the "menus" to navigate around. Tap a device icon to get inside the device. All the parts of the screen are highly interactive. Below some typical **iPhone** screenshots:



Control Monitor Help	12407 . 172.100.1.14		
- 1-NC-130h - 2-NC-140w - 3-SoftwareLoopBack	Product Type : System Description : Brother NC-130h, Firmw	GENERIC /Generic SNMP Device/ vare Ver.0.09 ,MID 8CA-A17-001	Host Info
	Up Time : MIB ID :	5 days,15 hours 1.3.6.1.4.1.11.2.3.9.1	
	MAC Address:	00:80:77:B7:E4:87	
	Primary IP Address: Interfaces Number:	192.168.1.14 3	(IP Interfaces)
	Device Name :	BRN_B7E487	
	Device Location :		
	Device Contact :		
	ARP Table		Interfaces Table
	condentale aliels on any lint	erface node ¹ to see the more recent status	

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5.0K 2.5K InBytes#1 0.0 142.714 Bytes/sec	7.5K 10.0K 12.5K	Indipendit Indipendit Indipendit Indipendit 1.385		Right part of this screen: historical results of background SNMP monitoring for this interfau linerface: Interface: 1 Description: NC-130h Oper Status/Link: Up Availability: 59.858879 % Last Time seen Up: Nov 01 14-53.54 Last Time went Down: Nov 01 13-4137, restor Reported Period: 2 hours,7 min Down Time: 51 min.12 sec Last Checked at: Nov 01 14-53.54 Performance Data Aupdate Interval>=60 Min Speed bit/sec 1,115	ic. ed at Nov 01 14:32:49 sec/
Last Discontinuity Time	Unknown			Max Speed bits/sec 2,114 Average Speed bits/bec 1,544	
Interface Sta	atistics and Graphs	Spd Line B	ars	Min Errors/Sec 0 Max Errors/Sec 0 Average Err/Sec 0 Last Checked at: Nov 01 14:53:34	
Input Bytes	20,731,064		C		
Output Bytes	1,232,449		D		
Input Errors	0	0			
Output Errors	0	Ō		Thresholds/Events	
(History Details	Interface Current	Speed Interface Utilization %		Alarm if speed less than	bit
Input Speed (bits/sec)	1,136	0.011360	%	Alarm if speed more than	bit
Output Speed (bits/sec)	572	0.005720	%	Alarm if there is error activity on the interf	ace
Max (In,Out) (bits/sec)	1,136	0.011360	%	'Generic Events'->'Interface Usage/Errors even	its'
OK (Set and Close)		Cancel (Clo	se)	Set Thresholds/Eve	nts

For iPad, the interface is more advanced. After you enter, you see GUI which looks more like CloudView server local GUI:



After you enter "inside" a device the screens look the same for all the GUIs, (i.e. iPhone, iPad and local Server GUI). For example, the screens allow you to watch real time and historical traffic for any SNMP capable device.

tinBytes#1 BRN_B7E487 5.0K 2.5K اnBytes#1	7.5K	InBytes#1 BRN_B7E487_2 Bytes /sec InBytes#1 BFN_B7 1.25K InBytes#1 BFN_B7 1.125K InBytes#1 BFN_B7 1.05K InBytes#1 BFN_B7		×) Right part o background Interface: Description: Oper Status/L Availability: Last Time see Last Time wer Reported Pari	f this scree SNMP me ink: n Up: nt Down: od:	en: historical results of onitoring for this interfi 1 NC-130h Up 59.858879 % Nov 01 14:53:54 Nov 01 13:41:37, resto 2 bours 7 min	32% E
Bytes/sec Last Discontinuity Time	12.5K <u># Option</u> Unknown	0.00 00.50 01.40 02.30 h.mm.ss	0.3:20 0.4	4:10 0.5:0	Last Checked Performance Min Speed bit Max Speed bit Average Spee Average Utiliz Min Errors/Se	at: e Data s/sec ts/sec d bits/bec ation % c	Nov 01 14:53:54 /update interval>=6 1,115 2,114 1,544 0.015443 0	0sec/
Interface St	atistics and Graphs	Spd	Line	Bars	Max Errors/Se Average Err/S Last Checked	ec at:	0 0 Nov 01 14:53:34	
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OK (Set and Close)			Canc	el (Close)		C	Set Thresholds/Ev	vents