Draft for Consideration - 5/3/2022

Proposed Terms for New England AREDN Systems

There does not seem to be a universal method for naming AREDN nodes. Nodes should be named thoughtfully because it is inconvenient to change node names after they have been assigned. The proposed naming convention provides basic information about the node, including a mandatory call sign. Additional information can be provided in the Advertised Services list. This is a work in progress and ideas are welcomed.

Node naming convention
Call-Location/Number -State/Province-Function
> *Location could be City, Town, Hilltop, Repeater Site,*
> *Airport, Served Agency, EOC, Public Information Radio or TV Station, etc*

K1EHZ-Bedford2-NH-AP
NG1P-Topsham1-ME-TUN

Abbreviations built into in AREDN
dtd = device to device connection
tun = tunnel server or client software is active
wan = node is connected to the internet

K1EHZ-Bedford2-NH-AP   (dtd)
NG1P-Topsham1-ME-TUN   (tun)

Node Numbers
1 = Primary node on a site
2, 3, 4, etc = Additional nodes on the same site

NG1P-Brunswick1-ME
K1EHZ-Bedford1-NH
NG1P-Topsham2-ME

Node Function Abbreviations
> Intended to inform users, not required for every node. If a node has more than one function, use the services list or choose one abbreviation and designate the other functions in the services list.

AP = Access Point (wired or wireless)
BB = Backbone Node
LCL = Local Node
EML = Email Server Node
NTP = Network Time Protocol Server
TUN = Tunnel Node (assumes a internet connection)
VID = Video Node
VOIP = Voice Over IP Telephone Server Node

NG1P-Topsham1-ME-TUN   (tun)   100% 100%

   • NG1P-BPQ-Node

IperfSpeed
NG1P-Chat
Tunnel Server

BPQ Packet (ask for a login)
Cacti login=ham password=ham
TeamTalk (VOIP)

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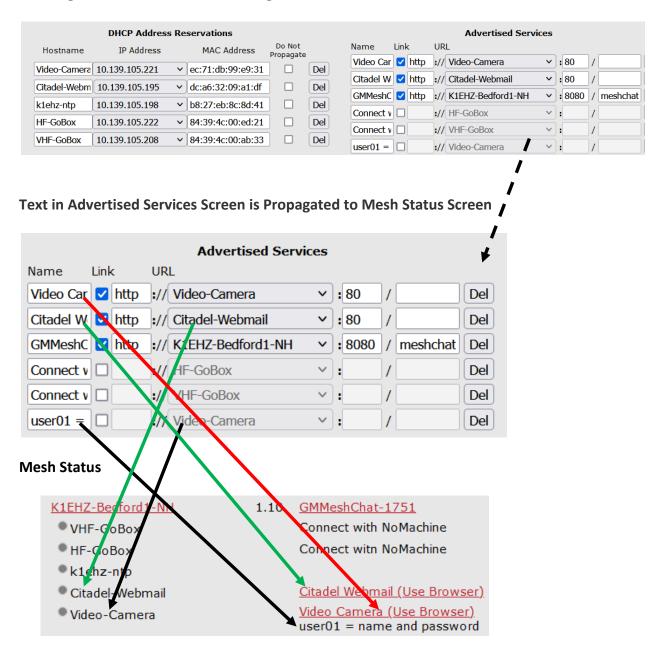
Other Examples on the Mesh Status Screen

Current Neighbors		LQ	NLQ	TxMbps	Services
K1EHZ-Bedford2-NH-AP	(dtd)	100%	100%		
NG1P-Topsham1-ME-TUN	(tun)	100%	100%		IperfSpeed
					NG1P-Chat
					Tunnel Server
● NG1P-BPQ-Node					BPQ Packet (ask for a login)
					Cacti login=ham password=ham
					TeamTalk (VOIP)

Local Hosts		Services
K1EHZ-Bedford-NH-TUN	(wan)	Tunnel Client
		WiFi Access Point

Remote Nodes	ETX	Services
NG1P-Topsham2-ME	0.20	IperfSpeed
		NG1P-Chat
● AP		
N1JOV-Topsham1-ME	1.10	iperfspeed
NG1P-Brunswick1-ME	1.10	IperfSpeed
K1EHZ-Bedford1-NH	1.22	GMMeshChat-1751
● VHF-GoBox		Connect with NoMachine
● HF-GoBox		Connect witn NoMachine
● k1ehz-ntp		
● Citadel-Webmail		Citadel Webmail (Use Browser)
● Video-Camera		Video Camera (Use Browser)
		user01 = name and password
KA1SU-Bow2-NH	1.35	GMMeshChat-1751
N1JOV-KBXM-ME	2.10	iperfspeed

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Creating Labels in the Port Forwarding, DHCP and Services Screen

DHCP Address Reservations

Hostname	IP Address	MAC Address	Do Not Propagate	
Video-Camera	10.139.105.221	ec:71:db:99:e9:31	☐	Del
Citadel-Webm	10.139.105.195	dc:a6:32:09:a1:df	☐	Del
k1ehz-ntp	10.139.105.198	b8:27:eb:8c:8d:41	☐	Del
HF-GoBox	10.139.105.222	84:39:4c:00:ed:21	☐	Del
VHF-GoBox	10.139.105.208	84:39:4c:00:ab:33	☐	Del

Advertised Services

Name	Link		URL				
Video Car	☑ http	://	Video-Camera	: 80	/		
Citadel W	☑ http	://	Citadel-Webmail	: 80	/		
GMMeshC	☑ http	://	K1EHZ-Bedford1-NH	: 8080	/	meshchat	
Connect v	☐	://	HF-GoBox	:	/		
Connect v	☐	://	VHF-GoBox	:	/		
user01 =	☐	://	Video-Camera	:	/		

Text in Advertised Services Screen is Propagated to Mesh Status Screen

Advertised Services

Name	Link		URL				
Video Car	☑ http	://	Video-Camera	: 80	/		Del
Citadel W	☑ http	://	Citadel-Webmail	: 80	/		Del
GMMeshC	☑ http	://	K1EHZ-Bedford1-NH	: 8080	/	meshchat	Del
Connect v	☐	://	HF-GoBox	:	/		Del
Connect v	☐	://	VHF-GoBox	:	/		Del
user01 =	☐	://	Video-Camera	:	/		Del

Mesh Status

K1EHZ-Bedford1-NH   1.10   GMMeshChat-1751
- VHF-GoBox   Connect with NoMachine
- HF-GoBox   Connect witn NoMachine
- k1ehz-ntp
- Citadel-Webmail   Citadel Webmail (Use Browser)
- Video-Camera   Video Camera (Use Browser)
                                     user01 = name and password

Services list may contain clickable links for browser-enable services, such as the Citadel Webmail server (green arrows), or information about services that require other ways of connecting, such as the HF and VHF GoBoxes. The Video Camera has both a clickable link (red arrow) and information about connecting (black arrows)