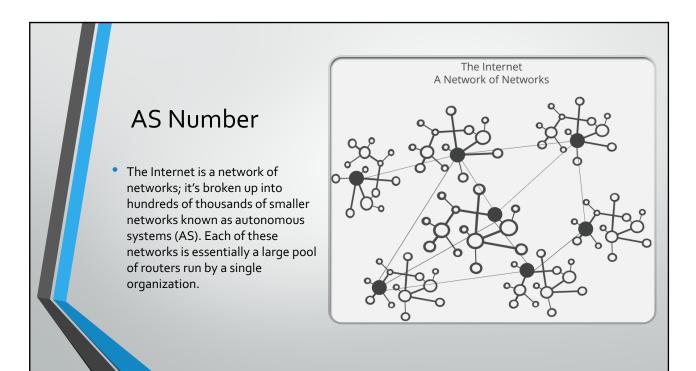
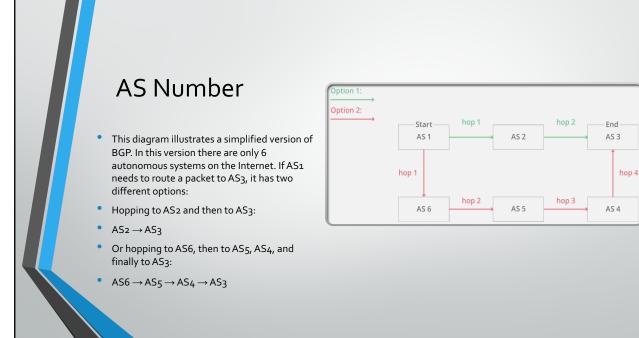


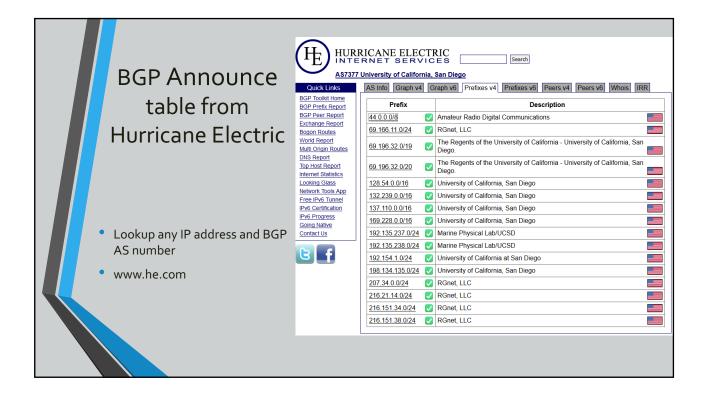
What is **BGP**

BGP is the postal service of the Internet. When someone drops a letter into a mailbox, the postal service processes that piece of mail and chooses a fast, efficient route to deliver that letter to its recipient. Similarly, when someone submits data across the Internet, BGP is responsible for looking at all of the available paths that data could travel and picking the best route, which usually means hopping between autonomous systems.

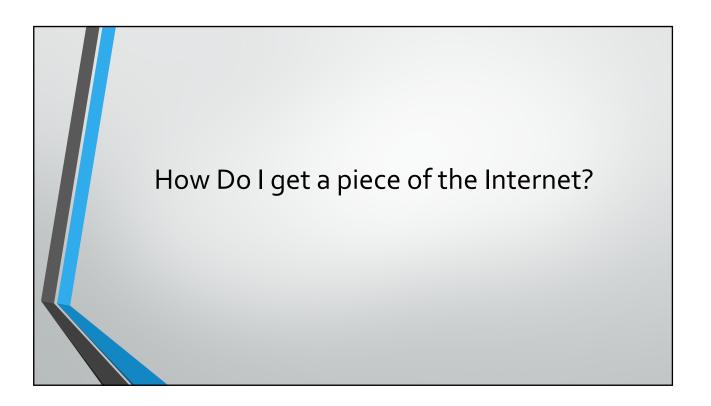


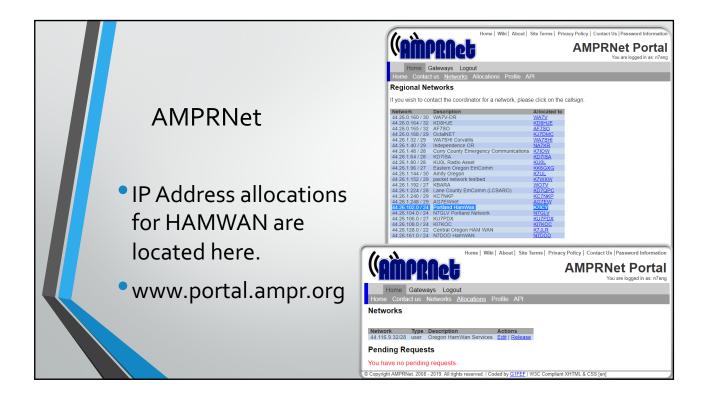










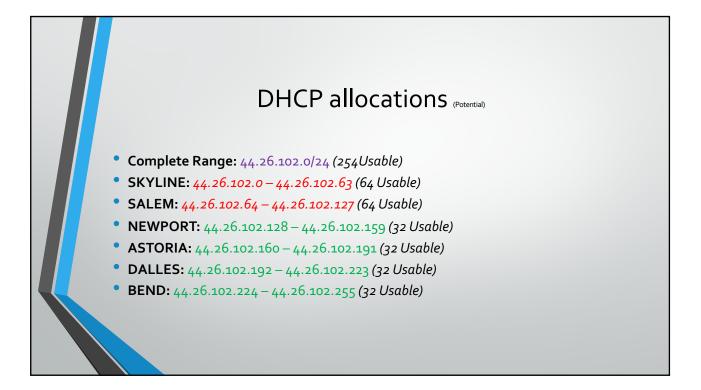


	Home Wiki About Site Terms Privacy Policy Contact Us Password Information AMPRNet Portal You are logged in as: n7 eng Home Gateways Logout						
AMPRNet Gateways for AMPRNET www.portal.ampr.org 	Home List Manage Options Robot User: Gateways: Manage gateways Edit a gateway Title: • N7ENG.com Gateway Encap type: • ipip • Gateway hostname: • me-01.off732.com Gateway IP. • i92.81.210.57 Notes • Update: • 2019-04-19 16:15:53 Save						
	Network: Select a network to add Network: Select a network to add Add Network: Subnet Actions 44.116.9.32/28 Remove						



DHCP

- DHCP (Dynamic Host Configuration Protocol) is a protocol used to provide quick, automatic, and central management for the distribution of IP addresses within a network.
- DHCP is also used to configure the proper subnet mask, default gateway, and DNS server information on the device.
- DHCP will give out IP Addresses assigned to each "Tower"
- Oregon HamWan is currently assigned 44.26.102.x/24
- The "server" for this function is the router at each tower



DNS

- The Domain Name Systems (DNS) is the phonebook of the Internet. Humans access information online through domain names, like nytimes.com or espn.com. Web browsers interact through Internet Protocol (IP) addresses. DN S translates domain names to IP addresses so browsers can load Internet resources.
- Through DHCP, we set the DNS IP Address given to end user clients HamWan's DNS servers.
- There would be dual "Redundant" servers at each "Internet Peering Point".
- HamWan can use tools installed in "WebMin" a network wide services server.

😻 BIND DNS Server — Webmin 🛪 🕂											_ ×
(€) 0 174 € https://192.168.7.223.10000						C Q See	uch		合自	+ + 0	t 🛛 🖉 🚍
A 0											
Webmin Dashboard					BIND DN	S Server					
Search Q	0				BIND ver					▶ Q;	
🗢 Webmin 🔹											
≠ System •	Global Server C	ptions									
✓ Servers											
♦ Others	9	\triangle	1		E.		×				
€ Networking +	Other DNS	Logging and	Access	Files and	Forwarding	Addresses	Miscellaneous	Control Interface	DNS Keys		
A Hardware 4	Servers	Errors	Control Lists	Directories	and Transfers	and Topology	Options	Options	011011030		
ර Cluster 4											
ń- Un-used Modules -	63		2	-)(=	\neq	P	B				
ADSL Client	Zone Defaults	Cluster Slave	Setup RNDC	DNSSEC	DNSSEC Key	Check BIND	Edit Config				
Apache Webserver Bacula Backup System		Servers		Verification	Re-Signing	Config	File				
BIND DNS Server											
DHCP Server	Existing DNS Zones										
Dovecot IMAP/POP3 Server Fail2Ban Intrusion Detector			Create master z	one 🛛 🖽 Create sla	we zone 🛞 Creat	e stub zone 🖽 Cre	eate forward zone	Create delegation	n zone		
Fetchmail Mail Retrieval	Create zones fr	om batch file									
GRUB Boot Loader											
Heartbeat Monitor Initial System Bootup											
IPsec VPN Configuration	Root zone		0000::1	127.0.0.1	localhost	localhost.local					
iSCSI Server	Hoor zone		0000.1	127.0.0.1	IOCalificiat	localitosciocal					
iSCSI Target iSCSI TGTd											
Jabber IM Server	Gr Select all B Create zones fr		Create master z	ine 🖽 Create sla	we zone 🖽 Creat	e stub zone 🕀 Cre	sate forward zone	Create delegation	n zone		Help
https://192.166.7.223:10000/bind8/master_form.cgi							normale in materia				

