## pfSense

Make sure to commit ALL changes with **SAVE** (usually found at the bottom of screen)

1. Connect to pfSense box

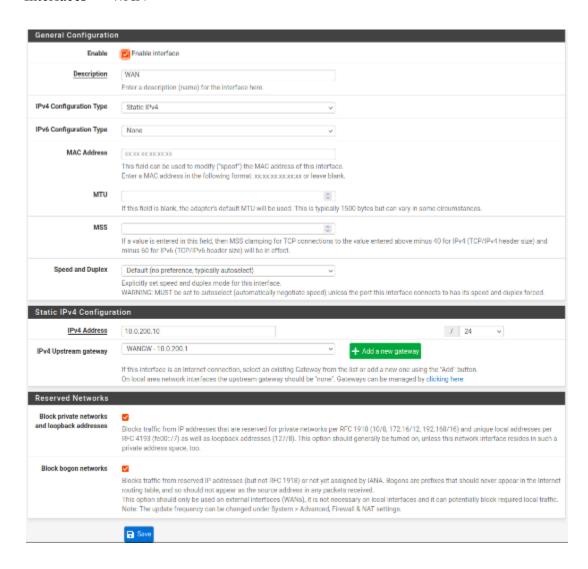
Username: admin Password: admin

For WAN, LAN, SOC, and NOC make sure ENABLE INTERFACE (at top) is checked

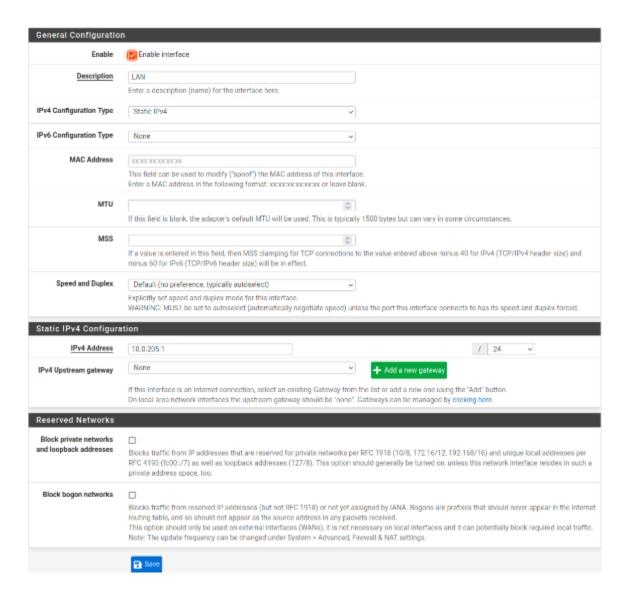
2. Configure Interfaces:

Set up WAN and LAN, SOC and NOC

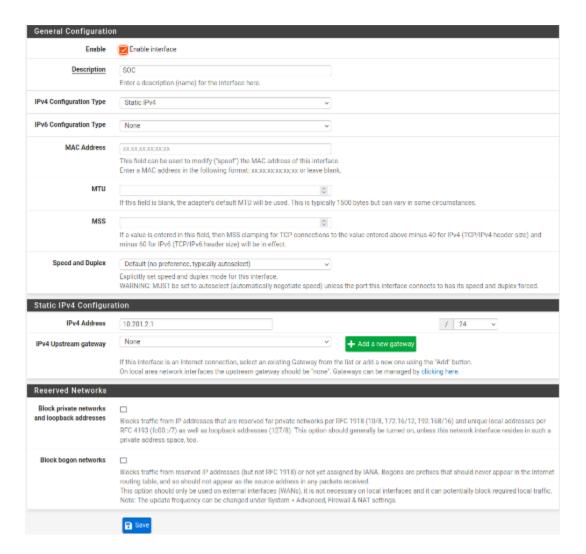
Interfaces → WAN



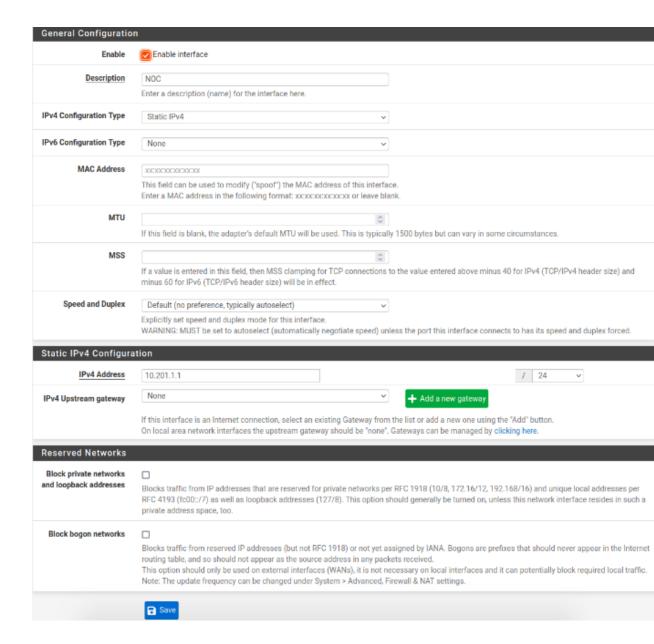
### Interfaces $\rightarrow$ LAN



### Interfaces $\rightarrow$ SOC



#### Interfaces $\rightarrow$ NOC



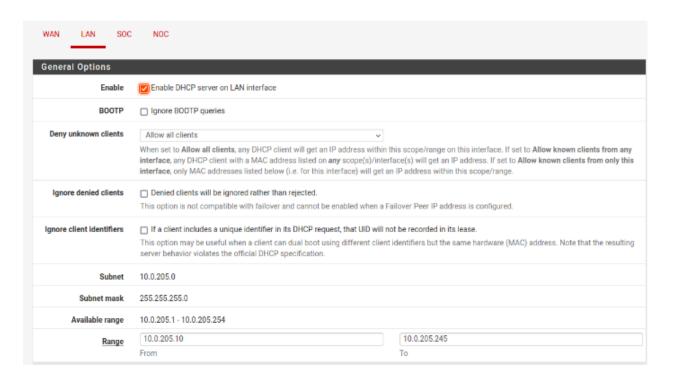
For WAN, LAN, SOC, and NOC make sure ENABLE INTERFACE (at top) is checked Make sure to commit ALL changes with SAVE (usually found at the bottom of screen)

If it is set up correctly, on the main dashboard (bottom right) it should look like this:



# Enable DHCP Services → DHCP Server → LAN/SOC/NOC No DHCP server is needed for WAN; main purpose is to set ranges

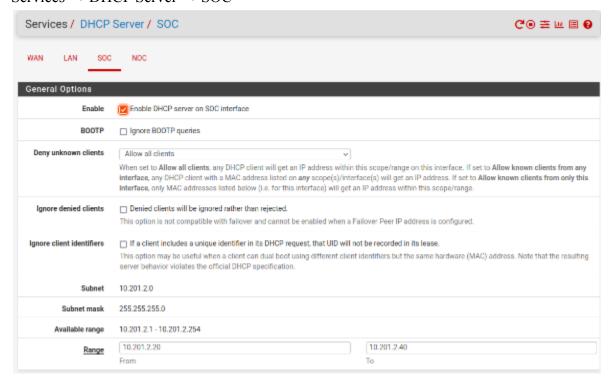
### Services $\rightarrow$ DHCP Server $\rightarrow$ LAN



# For SOC/NOC make sure that it is correctly configured with the HOSTs (CHECK HOST INVENTORY SPREADSHEET FOR MOST UPDATED INFORMATION)

	A	В	С	D	E	F	G	Н	1	J
1	Hostname	IP Address	MAC Address	Services	NET	os	Division	Static Mappings	Issues:	
2	falcon.birdgeeks.org	10.0.205.1	00:50:56:ac:cf:31	pfSense	VDI	FreeBSD 12	InSec	~		
3	falcon.birdgeeks.org	10.201.1.1	00:50:56:ac:b1:6f	pfSense	NOC	FreeBSD 12	InSec	~		
4	falcon.birdgeeks.org	10.201.2.1	00:50:56:ac:16:e6	pfSense	soc	FreeBSD 13	InSec	~		
5	falcon.birdgeeks.org	10.0.200.10	00:50:56:ac:69:55	pfSense	WAN (SANDA)	FreeBSD 14	InSec	~		
6	baldeagle.birdgeeks.org	10.201.1.4	00:50:56:ac:32:4b	AD/DNS	NOC	Win Server 2019	UMSec	~		
7	woodpecker.birdgeeks.org	10.201.1.16	00:50:56:ac:09:15	File Services	NOC	Win Server 2019 Core	UMSec	<b>✓</b>		
8	finch.birdgeeks.org	10.201.1.17	00:50:56:ac:de:0c	DHCP	NOC	Ubuntu 20.04	InSec	~		
9	robin.birdgeeks.org	10.201.1.18	00:50:56:ac:38:92	Docker Debian	NOC	Debian 11	AppSec	<b>✓</b>		
10	dove.birdgeeks.org	10.201.1.19	00:50:56:AC:4E:CD	Web	NOC	Windows Server 2019	AppSec	~		
11	cardinal.birdgeeks.org	10.201.2.3	00:50:56:ac:3e:5a	SIEM	soc	Debian 11	SOC/AppSec	~	Lack of Root ac	cess
12	bluejay.birdgeeks.org	10.201.2.5	00:50:56:ac:df:5c	IR	soc	Debian 11	SOC/AppSec	~		
13	toucan.birdgeeks.org			Network Monitor	NOC	CentOS	InSec			
14	seagull.birdgeeks.org		00:50:56:ac:57:a0	Workstation	NOC	Windows 10	UMSec	~		
15	penguin.birdgeeks.org		00:50:56:ac:5a:e8	Router	VPN	VyOS	InSec			
16	sparrow.birdgeeks.org			Travelor	Cloud	Windows 10	UMSec			
17	ostrich.birdgeeks.org			AD/DNS	Cloud	Windows Server 2019	UMSec			

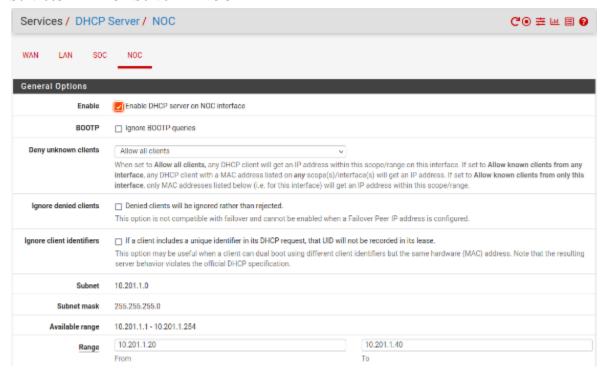
### Services $\rightarrow$ DHCP Server $\rightarrow$ SOC



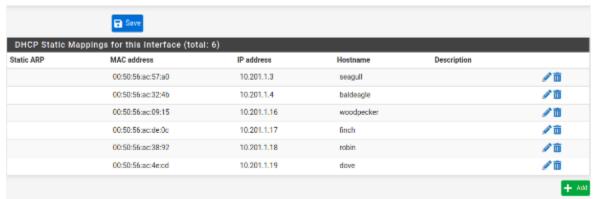
### Then the static mappings at the bottom:



### Services $\rightarrow$ DHCP Server $\rightarrow$ NOC



### Then the static mappings at the bottom:



### Reminder Checklist:

- ☐ Are the interfaces configured?
- ☐ Is the DHCP service enabled?
- ☐ Are the DHCP pools configured?
- ☐ Are the static mappings configured?
- ☐ Is everything saved and applied?