

NSSA 221.601 – Site Book

System Administration I Site Book



Domain: *vpp4868.com*

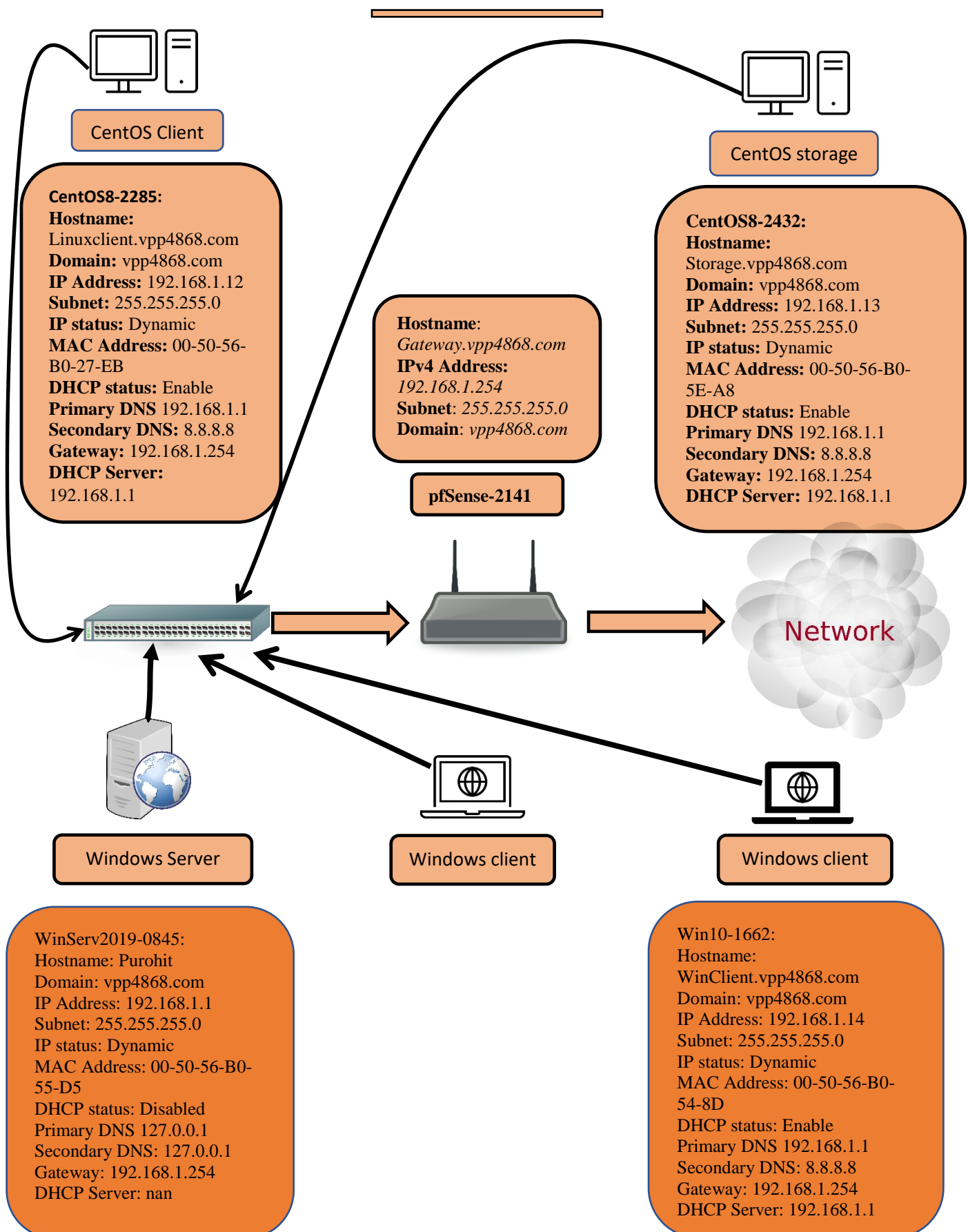
Done by: *Vansh Pankaj Purohit*



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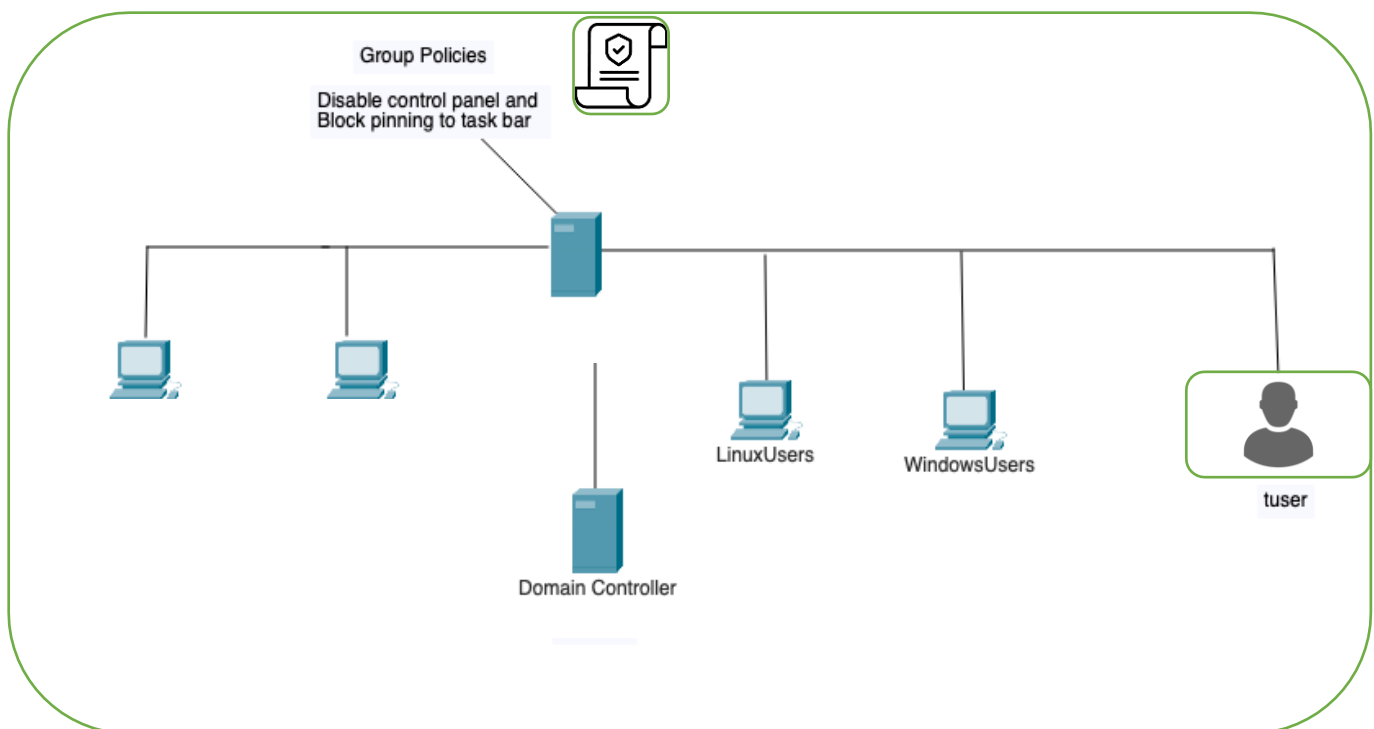
Device	Hostname	Domain	IP Address	IP STATUS	MAC address	DHCP STATUS	DNS Primary	DNS Secondary	Gateway	DHCP Server
CentOS8-2285	Linuxclient.vpp4868.com	vpp4868.com	192.168.1.12	Dynamic	00-50-56-B0-27-EB	Enable	192.168.1.1	8.8.8.8	192.168.1.254	192.168.1.1
CentOS8-2432	Storage.vpp4868.com	vpp4868.com	192.168.1.13	Dynamic	00-50-56-B0-5E-A8	Enable	192.168.1.1	8.8.8.8	192.168.1.254	192.168.1.1
pfSense-2141	Gateway.vpp4868.com	vpp4868.com	192.168.1.254	Static	00-50-56-B0-6B-2A	Disabled	nan	nan	nan	nan
Win10-1662	WinClient.vpp4868.com	vpp4868.com	192.168.1.14	Dynamic	00-50-56-B0-54-8D	Enable	192.168.1.1	8.8.8.8	192.168.1.254	192.168.1.1
WinServ2019-0845	purohit	vpp4868.com	192.168.1.1	Static	00-50-56-B0-55-D5	Disabled	127.0.0.1	127.0.0.1	192.168.1.254	nan

Device Information

Sl.	Device Type	Device Name	Device FQDN	Device Operating System
1	CentOS Client	CentOS8-2285	Linuxclient.vpp4868.com	CentOS 8.5.2111 – Linux Release Build-384.7.1.el8_5.x86_64
2	CentOS Client	CentOS8-2432	Storage.vpp4868.com	CentOS 8.5.2111 – Linux Release Build-384.7.1.el8_5.x86_64
3	Windows Client	Win10-1662	WinClient.vpp4868.com	Microsoft Windows 10 Enterprise 10.0.1 Build - 19044
5	Windows Server	WinServ- 2019- 0485	purohit.vpp4868.com	Microsoft Windows Server,2019 Datacentre 10.0 Build- 17763
6	Router	pfSense-2141	Gateway.vpp4868.com	pfSense 2.4.4-Release (Patch 3)

Active Directory

Active Directory Topology:



Users

Password of Test User: student@21

Name	SAM	User Principal Name	Member of
Test User	tuser	tuser@vpp4868	Domain Admin

Group Policy Objects

Settings			hide
Policies			hide
Administrative Templates			hide
Policy definitions (ADMX files) retrieved from the local computer.			
Control Panel			hide
Policy	Setting	Winning GPO	
Prohibit access to Control Panel and PC settings	Enabled	controlpanellock	
Start Menu and Taskbar			hide
Policy	Setting	Winning GPO	
Do not allow pinning programs to the Taskbar	Enabled	Block pinning to taskbar	
Group Policy Objects			hide
Applied GPOs			hide
Block pinning to taskbar [{2628584F-0180-49DF-8D32-57626389E1AF}]			show
controlpanellock [{9111A84A-45A2-4A25-ACA7-854F369E6F7C}]			show
Denied GPOs			hide
Local Group Policy [LocalGPO]			show
WMI Filters			hide

2 Group Policies have been applied on the Organization.

- 1) Prohibits access to control panel.
- 2) Does not allow to pin apps on the taskbar.

Software Information

Software Tools and Process Used

Sl. No	Software	Process Used (methods)
1	Meta data to upgrade the centos (Lab 1 and lab 2) In Linux client (Linuxclient.vpp4868.com)	<pre># sudo sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-* # sudo sed -i 's #baseurl=http://mirror.centos.org baseurl=http://vault.centos.org g' /etc/yum.repos.d/CentOS-* # sudo yum update</pre>
2	Installing Active directory domain service (lab2) in windows server(purohit.vpp4868.com).	Active Directory Domain Services, DHCP Server, and DNS Server.
3	Remote Active Directory Management lab (2) in Windows client machine(WinClient.vpp4868.com)	Windows setting → Manage optional features → ADD features (RSAT: Active Directory Domain Services and Lightweight Directory Services Tools, RSAT DHCP Server Tools, and RSAT DNS Server Tools).

Software's Installed

Sl. No	Device FQDN	Software	Command	Version	Build No.
1	Linuxclient.vpp4868.com	Git	dnf install git	2.27.0	1.el8.x86_64
2	WinClient@vpp4868.com	Git	Installed through https://git-scm.com	2.38.1	1.el8.x86_64
3	Storage.vpp4868.com	cockpit	Sudo dnf -y install cockpit	251.1.0	1.el8.x86_64
4	Linuxclient.vpp4868.com Storage.vpp4868.com	rsync (If not installed)	dnf install rsync rsync-daemon	3.1.3	NIL
5	Storage.vpp4868.com	vsftpd	sudo dnf install vsftpd	3.0.3	NIL
6	Linuxclient.vpp4868.com	lftp	sudo dnf install lftp	4.8.4	NIL
7	Storage.vpp4868.com	Samba package	sudo dnf install samba	4.14.5	7.el8_5.x86_64
8	Storage.vpp4868.com	cifs-utils package	sudo dnf install cifs-utils	6.8.0	3.el8.x86_64
9	Storage.vpp4868.com	samba client package	sudo dnf install samba client	4.14.5	7.el8_5.x86_64
10	Linuxclient.vpp4868.com	samba-client cifs-utils	sudo dnf install samba client sudo dnf install cifs-utils	4.14.5 6.8.0	7.el8_5.x86_64 3.el8.x86_64
11	Storage.vpp4868.com	nfs-utils	sudo dnf install nfs-utils	2.3.3	46.el8

