VM NAME	OPERATING SYSTEM	IP ADDRESS	LAN SEGMENT	Memory Allocated	Processors	Purpose
PFsense	PFsense	192.168.1.100 192.168.11.100 192.168.2.100	IT OT PUBLIC	4 GB	1	Firewall and router
IT Workstation	Windows 10	192.168.1.50	IT	4 GB	2	General IT administration and support
Active Directory Server	Windows Server 22	192.168.1.54	IT	4 GB	4	Managing user accounts and access permissions
Mail Server	Windows Server 22	192.168.1.55	IT	12 GB	4	Hosting and managing email services
DNS Server	Windows Server 22	192.168.1.52	IT	4 GB	4	Domain name resolution
DHCP Server	Windows Server 22	192.168.1.51	IT	4 GB	4	Dynamic assignment of IP addresses to devices on the network
Kali Workstation	Kali Linux	192.168.11.51	Public	4 GB	8	Penetration testing and ethical hacking
Mail Server	Windows Server 22	192.168.11.50	Public	12 GB	4	Hosting and managing email services
Engineering Workstation	Windows 10	192.168.2.21	OT	4 GB	4	Engineering design, simulations, and development work
Maintenance Workstation	Windows 10	192.168.2.24	OT	4 GB	4	System maintenance, updates, and monitoring tasks