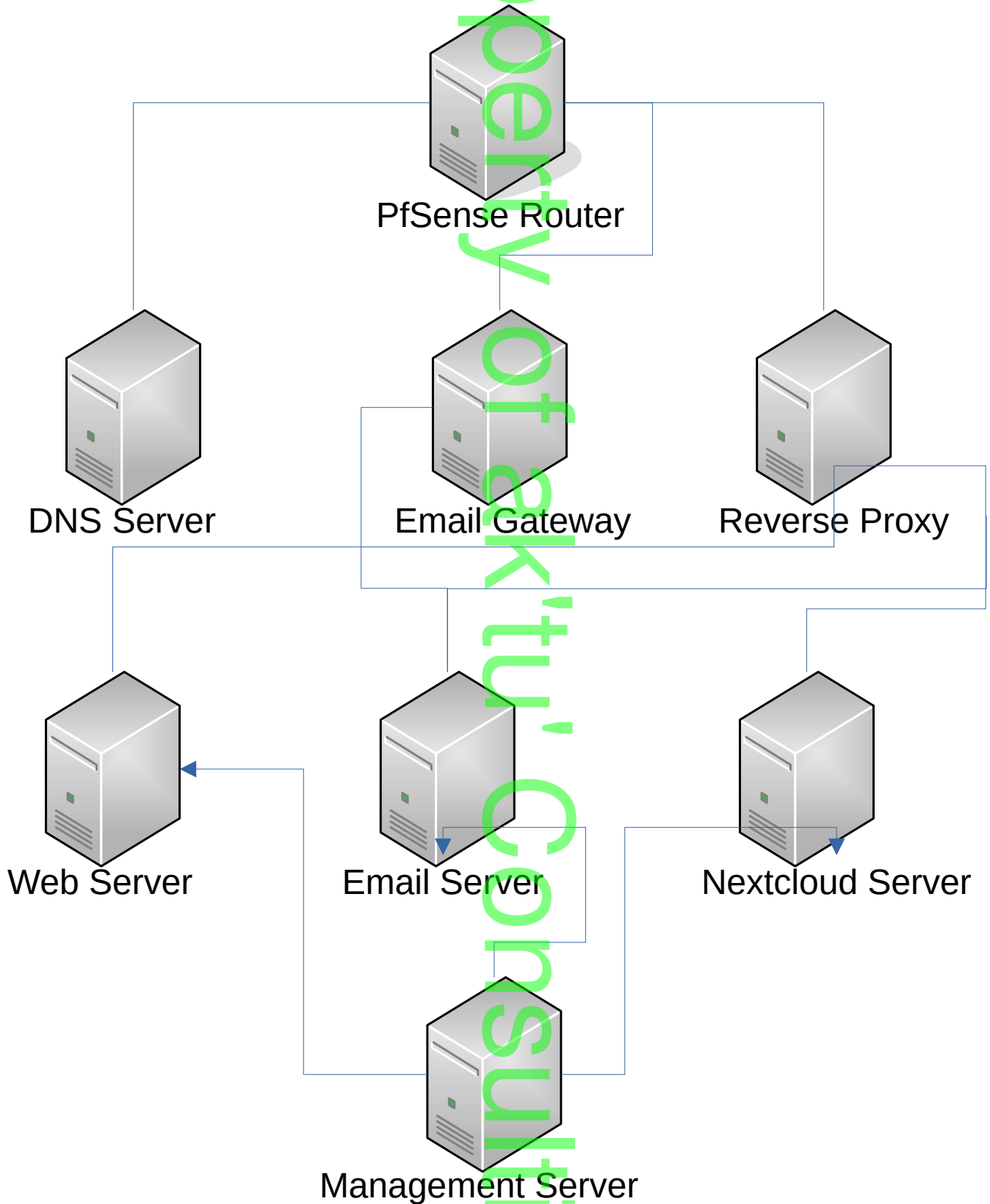


ak'tu' Consulting Network Architecture PoC
Self-Hosted
Architecture Overview



ak'tu' Consulting Network Architecture PoC
Self-Hosted
Software Components

Function	Software/Library	Supporting Infra
E-mail server	Mailcow	docker
E-Mail Gateway	Proxmox PMG	LXC (Proxmox)
DNS	BIND9	docker
Reverse Proxy	NPM	docker
Cloud Storage	NextCloud	docker
Web Server	nginx	docker
orchestration/ standardization	ansible	ansible
Office Suite	OnlyOffice	docker/Nextcloud
Central Database	MariaDB	docker
Conference Software	Jitsi	docker

Pfsense Router Config

Function	Module/Action	Details
SSH	Turn on SSH	Turn on SSH for crowdsec setup
Security	Crowdsec	Install to block scans from the internet crowdsec Reference Doc
Backup	Auto Configuration Backup	Backup pfSense Changes
HTTPS	HTTPS	Enable UI HTTPS
Outbound NAT	Hybrid NAT	Enable Hybrid NAT future configs
DNS	System DNS	Add System DNS Servers for WAN Cloudflare: 1.1.1.1 1.0.0.1 OpenDNS 208.67.222.222 208.67.220.220