Technical Document by 21600681

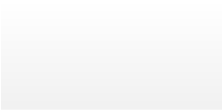
**OS Configuration**

Fullname: DaveDingo

User name: administrator

Password: PS.21600681

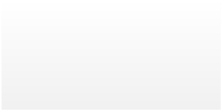
**Part B**



Rose

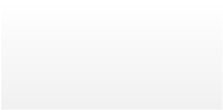
Procurement

Manager



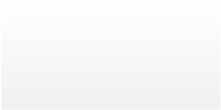
Bob

Admin Manager



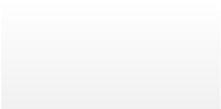
John

Logistic Manager



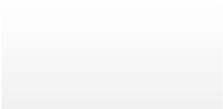
Mike

Sales Manager



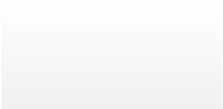
Tom

Sales Team Member



Bob

Sales Team Member

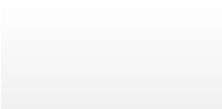


Tim

Sales Team Memb

e

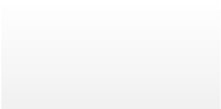
r



Lin

Procurement Team

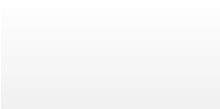
Member



Jo

Procurement Team

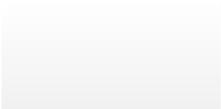
Member



Anna

Procurement Team

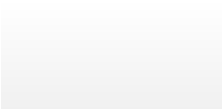
Member



Han

Admin Team

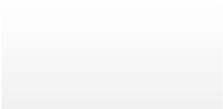
Member



Andy

Admin Team

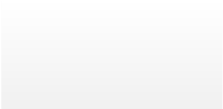
Member



Goerge

Admin Team

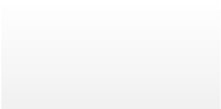
Member



Nick

Logistic Team

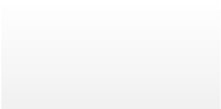
Member



Vick

Logistic Team

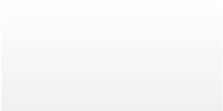
Member



Rick

Logistic Team

Member



**GoodSource Inc**

**.**

DHCP

Below are configuration details for DHCP server:

* 1. IPv4 range : 192.168.10.0/28
  2. Lease period : 10 days
  3. Reserved range : *first 5 IPs*
  4. Gateway : *last usable IP*
  5. DNS : 192.168.10.1

DNS

Below are configuration details for DNS server:

* 1. FQDN : [*your nick name*].co.nz 192.168.10.1
  2. Sub-domains : forum.[*your nick name*].co.nz 192.168.10.1 admin.[*your nick name*].co.nz 192.168.10.1 www.[*your nick name*].co.nz 192.168.10.1
  3. Enable forwarding to : *last usable IP*

RDP

Below are configuration details for Remote Desktop Connection server:

* 1. Enable access for server administrators and office managers
  2. Allow only 1 session per account

Active Directory

Below are configuration details for active directory (domain controller):

1. For each staff:

* + 1. Has own user account
    2. Belongs to respective office user group
    3. Has a mapped remote home folder
    4. Is assigned with a login script to map “\shares\” 2. Login script:
    5. Map all users to “\shares\” network folder
    6. Map all users to respective office network shared folder
    7. Map all managers to their respective network shared folder

1. Remote login
   * 1. Only managers are allowed to login remotely
     2. Auto disconnect login after 4 hours inactivity

VPN

OpenVPN pfsense

1. Create Certificate authority that will be used to sign future user certificates

Method: Create an internal Certificate Authority

Key Length(bits): 2048

Digest Algorithm: sha250

Lifetime (days): 3650

1. Create a server certificate

Method: Create an internal Certificate

Digest Algorithm: sha250

Lifetime (days): 3650

1. Create User and create a certificate for that user
2. Install the Package “openVPN client export” utility export our vpn setting for different client machine like Windows, Linux, Mac os.
3. Setup the openVPN (vpn => openVPN click wizard link)

Chose Certificate for Sever

Interface: WAN

Protocol: UDP

Local Port: 1194

TLS Authentication: Yes

Generate TLS Key: Yes

DH Parameters Length: 2048 bit

Encryption Algorithm: AES-256-CBC (256bit key, 128bit block)

Auth Digest Algorithm: SHA1 (160-bit)

Tunnel Network: 192.168.10.0/28

Redirect Gateway: Yes

Local Network: 192.168.10.0/28

Concurrent Connections: 4

Compression: Enabled with Adaptive Compression

Inter-Client Communication: Yes

Dynamic IP: Yes

Address Pool: Yes

Topology: Subnet – one IP address per client in a common subnet

DNS Server 1: 192.168.10.1

NetBIOS Options: Yes

Firewall Rule: Yes

OpenVPN rule: Yes (May change if something happens)

Client Export:

Use Random Local Port: Yes

Password Protect Certificate Password: PS.21600681

Save as default then export for OS to be used on.

Type file

.ovpn- openVPN configuration file.

.p12- Certificate file

.key- Private key file

Copy the setting on the client machine, this could be Window, Linux or mac os.

VPN/OpenVPN/Servers

Add

Server mode: Remote Access (SSL/TLS)

Server certificate: webConfigurator default (5984a200b1c9) (Server:Yes)