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21-06-2021

Network and Windows Server 2016 Configuration.

Projekt 6

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Sami Stokkebro Andersen

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Host information.

Server: **Microsoft Windows Server 2016 Version 1607 (OS Build 14393.693)**

Server installed services: -

- **Active Directory Services**
- **DHCP**
- **DNS**
- **FTP**
- **Internet information Services (IIS)**
- **Remote Access (VPN)**

Client: **Microsoft Windows 10 Version 21H1 (OS Build 19043.1052)**

Active Directory Domain Services.

Root Domain name: **etcg.com**

Forest name: **etcg.com**

NetBIOS domain name: **ETCG**

Domain-functional level: **Windows Server 2016**

Forest-functional level: **Windows Server 2016**

Directory Services Restore Mode password: **iGnfDr6V7Ic4hrYI**

Navn på servern: **Serveros**

Domain controller capabilities:-

- **Domain Name System (DNS) Server**
- **Global Catalog (GC)**

Database folder: **C:\Windows\NTDS**

Log files folder: **C:\Windows\NTDS**

SYSVOL folder: **C:\Windows\SYSVOL**

DHCP configuration.

Scope name: **Basic**

Scope:-

- Start IP Adresse: **10.1.10.100**
- End IP Adresse: **10.1.10.200**

Length: **8**

Subnet mask: **255.0.0.0**

Default Gateway: **10.1.10.1**

Domain name and DNS servers:-

- Parent Domain: **etcg.com**
- DNS server IPs
 - o **10.1.10.2**
 - o **10.1.10.1**

Lease Tid: **8 dage**

DNS configuration.

Forward lookup zone:

- Navn: **Server**
- Type: **Host (A)**
- Data: **10.1.10.2**
- Timestamp: **static**

Shares.

Sysvol path: **\\SERVER\\sysvol**

Netlogon path: **\\SERVER\\netlogon**

Share path: **\\SERVER\\share**

Permissions

Name: **C:\Share\Private**

Owner: **Administrators (ETCG\Administrators)**

| Type | Principal | Access | Inherited From | Applies to |
|-------|--------------------------------------------|---------------------|----------------|------------------------------------------|
| Deny | BAD (ETCG\BAD) | Full Control | None | This folder, subfolder and files. |
| Allow | SYSTEM | Full Control | None | This folder, subfolder and files. |
| Allow | Administrator | Full Control | None | This folder, subfolder and files. |
| Allow | Administrator (ETCG\Administrators) | Full Control | None | This folder, subfolder and files. |
| Allow | Employees (ETCG\Employees) | Full Control | None | This folder, subfolder and files. |

Name: **C:\Share\Public**

Owner: **Administrators (ETCG\Administrators)**

| Type | Principal | Access | Inherited From | Applies to |
|-------|-------------------------------------|--------------|----------------|-----------------------------------|
| Allow | Everyone | Full Control | C:\Share\ | This folder, subfolder and files. |
| Allow | SYSTEM | Full Control | C:\Share\ | This folder, subfolder and files. |
| Allow | Administrator | Full Control | C:\Share\ | This folder, subfolder and files. |
| Allow | Administrator (ETCG\Administrators) | Full Control | C:\Share\ | This folder, subfolder and files. |

Computers.

Computer name: **TEST-PC**

Computer full name: **TEST-PC.etcg.com**

IP-adresse: **givet af DHCP scope "Basic"**

Member of: **etcg.com/Users**

Operative System: **Microsoft Windows 10 Version 21H1 (OS Build 19043.1052)**

Accounts:

- Local Administrator: **Sami**
- Password: **Lellerz**

Users.

| User login | Password | Groups |
|---------------|------------------|--------------------------|
| Administrator | Ai8hF3SkCvshyAjs | Domain Admins |
| Test User | 1Angb0rd1stAn | Domain Admins, Employees |
| USER 2 | T3rm1nAt0r | Employees, BAD |

Password options.

| Users | Must change password on next login | User cannot change password | Password never expires | Account is disabled |
|---------------|------------------------------------|-----------------------------|------------------------|---------------------|
| Administrator | No | No | Yes | No |
| Test User | No | No | Yes | No |
| USER 2 | No | No | No | Yes |

Organizational Unit og Group policy objects.

Organizational unit:

- OU name: **Test OU**
- Groups: **BAD**

Users:

- Username: **USER 2**
- Member of:-
 - o **BAD**
 - o **Domain Users**
 - o **Employees**

Group policy object: **TEST GPO FOR CLASS**

- User configuration
 - o All Settings
 - Remove Task Manager: **Enabled**

Web Server.

Domain navn: **server.etcg.com**

Web server IP-adresse: **10.1.10.2**

Root directory: **C:\inetpub\wwwroot**

Installed:-

- **PHP 8.0.0**
- **MariaDB 10.5**
- **HeidiSQL 11.3.0.6295 64 Bit**

Default Document:-

- **Index.html**
- **Index.php**

Database

Bruger: **root**

Adgangskode: **Ratch3t**

Database navn: **min_database**

CRUD users:

| Id | Fornavn | Efternavn | Email | Adgangskode |
|----|-----------|-----------|----------------|----------------|
| 3 | John | Connor | john@gmail.com | IWillBeBack |
| 20 | Thomas A. | Anderson | neo@gmail.com | ThereIsNoSpoon |

FTP

Authentication: **Basic Authentication (Enabled)**

Authorization:-

- Rule #1
 - o Mode: **Allow**
 - o Users: **Administrator, Test User**
 - o Permissions: **Read/Write**
- Rule #2
 - o Mode: **Allow**
 - o Roles: **Employees**
 - o Permissions: **Read**

VPN.

Server:

Firewall Inbound Rule #1

Navn: **PPTP**

Protocol: **TCP**

Port: **1732**

Firewall Inbound Rule #2

Navn: **GRE**

Protocol: **TCP**

Port: **47**

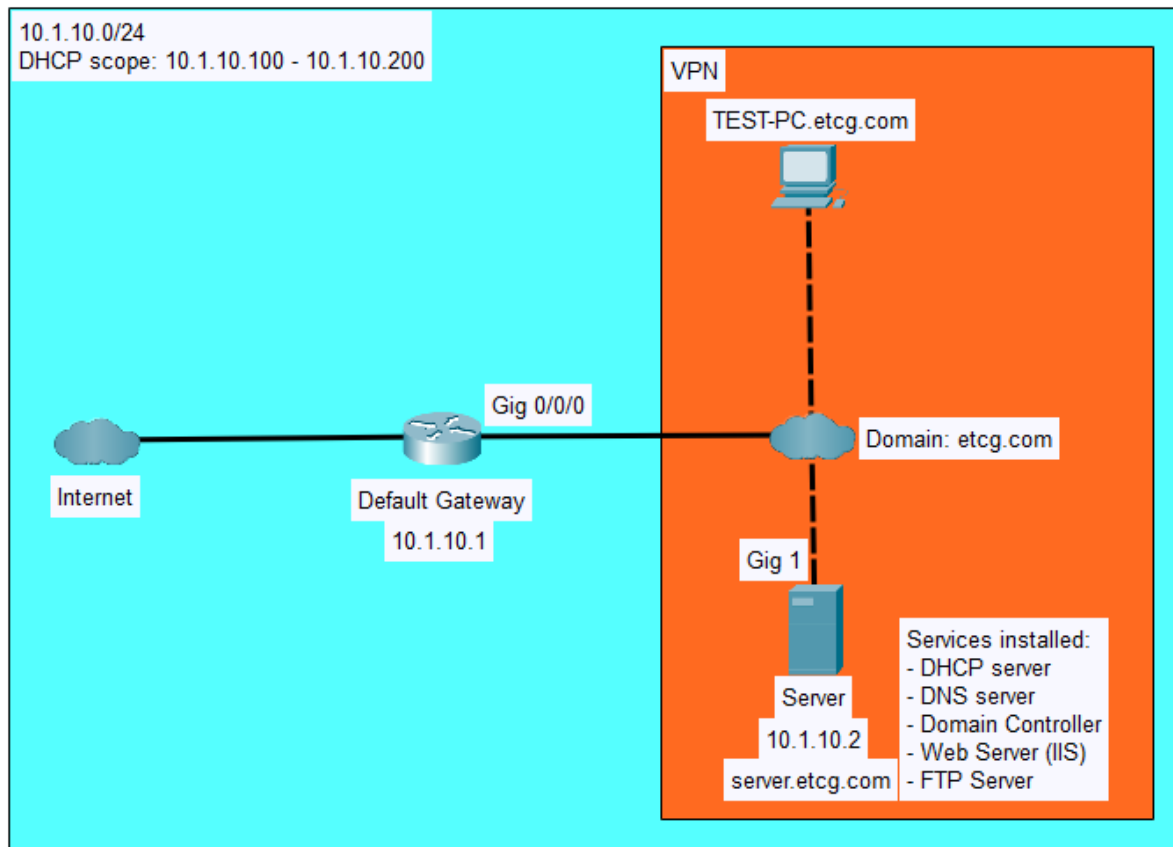
Client:

Navn: **Lel VPN**

Brugernavn: **testuser**

Adgangskode: **1Angb0rd1stAn**

Netværks Tegning.



IP-Plan.

Net ID / CIDR: **10.1.10.0/24**

Subnet Mask: **255.255.255.0**

Default Gateway: **10.1.10.1**

Web Server: **10.1.10.2**

Unused addresses: **10.1.10.3 – 10.1.10.99 and 10.1.10.201 – 10.1.10.254**

DHCP scope: **10.1.10.100 – 10.1.10.200**

Broadcast ID: **10.1.10.255**

Adresse Tabel

| Udstyr | Interface | IP-adresse | Subnet mask | Default Gateway |
|------------------------|------------------|------------------|----------------------|------------------|
| Default Gateway Router | Gig 0/0/0 | 10.1.10.1 | 255.255.255.0 | N/A |
| Server.etcg.com | Gig 1 | 10.1.10.2 | 255.255.255.0 | 10.1.10.1 |
| TEST-PC.etcg.com | Ethernet | DHCP | 255.255.255.0 | 10.1.10.1 |