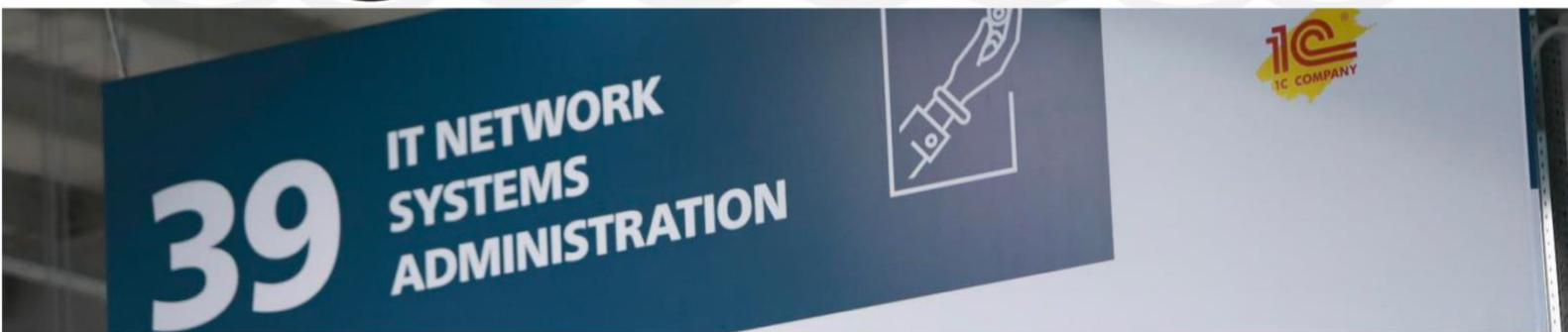# MODUL 3
WINDOWS ENVIRONMENT

IT NETWORK SYSTEM
ADMINISTRATION

**Lomba Kompetensi Siswa
Sekolah Menengah Kejuruan
Tingkat Kabupaten Pati
Tahun 2023**

Basic Configuration

- Allow ping on SERVICE1 and SERVICE2 without disable firewall

Web Server

- Use CA from Windows to generate self-signed certificates required for this task.
- Configure SERVICE2 to host all departement's websites
    - managers.pati.net at C:\web\managers
    - dev.pati.net at C:\web\dev
    - 10 ops website
        - ops01.pati.net at C:\web\ops01
        - ops02.pati.net at C:\web\ops02
        - .....
        - ops09.pati.net at C:\web\ops09
        - ops10.pati.net at C:\web\ops10
- Enable basic authentication for managers.pati.net, allow user 'manager' with password 'Skills39'
- Enable HTTPS for managers.pati.net and dev.pati.net.
    - Use Corporate CA that points to wildcard domain of *.pati.net.
- Refer to the appendix for website content

DNS Server

- Configure SERVICE1 to serve DNS for pati.net
- Add all servers hostname to be accessible via {hostname}.pati.net
    - The subdomain points to all available IP addresses of the servers according to the appendix.
- Create all subdomain used for Web Servers

Active Direcotry

- Install and configure Active Directory at SERVICE1
- Create user pati with password Skills@39
- Join the client to the domain
- Create a policy to prevent client for opening control panel

Appendix

Device Name	IP Address	Network
SERVICE1	172.16.0.1/24	Internal Network
SERVICE2	172.16.0.2/24	Internal Network
Client	172.16.0.3/24	Internal Network

managers.pati.net

managers.itnsa.id   This website is managed by admin@pati.net

dev.pati.net

dev.itnsa.id   This website is managed by dev@pati.net

opsxx.pati.net

opsXX.itnsa.id   This website is managed by ops@pati.net

- Replace XX in file content with user number, for example ops01.pati.net

Topology