

MCSA Final Project Scenario

Infrastructure Build for
ITI

Company Overview

- Headquarters: Smart Village
- Branch: Alexandria
- Branch: Ismailia
- Branch: Arish (RODC)
- Departments: HR, Finance, IT Support

Project Goal

- Students will design and deploy a full Windows Server infrastructure:
 - AD DS
 - DNS
 - DHCP
 - Group Policy
 - Web Server
 - RODC
 - WSUS

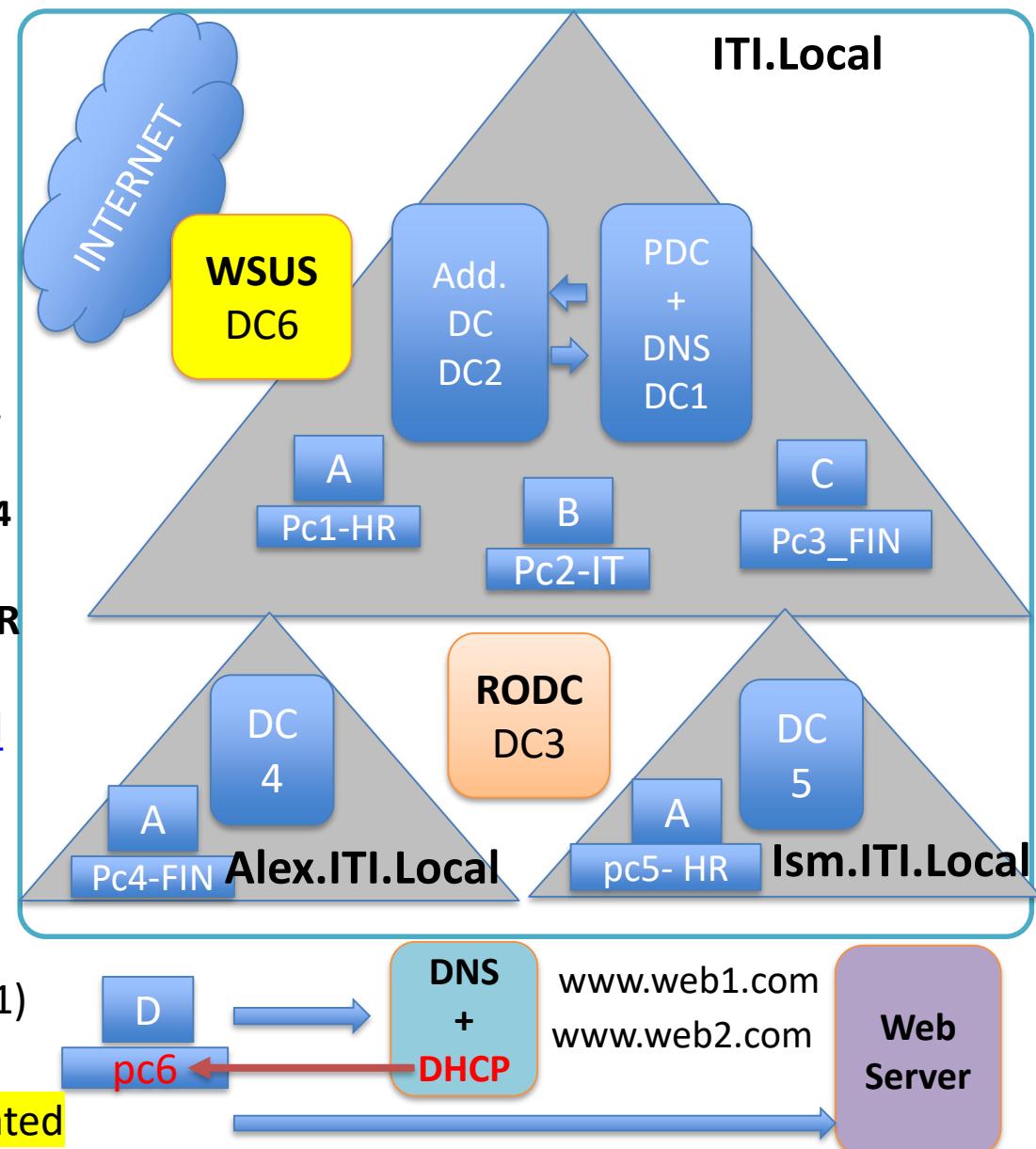
Active Directory Design

- Domain: ITI.local
- OU Structure for all departments
- Create users & groups
- IT elevated roles: Helpdesk & Server Admins

Group Policy Tasks

- Password policy: complexity, length
- Desktop restrictions
- USB blocking for Finance
- Software deployment

Topology



DC1 is a primary Domain Controller

DC2 is an additional Domain Controller

DC3 is a RODC, DC4&DC5 are Chilled DC

A@ITI.local can only login to PC1 but can't login to pc1 on Fridays

help@ITI.local can login to Rodc & his PSWD is replicated to Rodc

c@ITI.local can't access Flash memory & control Panel & his wallpaper is ITI logo

A@Ism.ITI.Local can login to **PC5-PC1-PC4** (ROMING PROFILE)**

DOMAIN ADMIN need to install **WINRAR** on pc2 using GPO (how)**

DOMAIN ADMIN delegate to B@iti.local to login remotely to DC1

(not member of administrators) **

A@ITI.local check the website

<https://www.web2.com> from pc1

(authoritative -web2.com Second Z (DC1)

Bonus , try to configure a WSUS to make sure that your topology is updated

D is a local user on **pc6** but he can manage remotely (**RDP**) the webserver with administrative privileges , his responsibilities is to check <http://www.web1.com> and get a **copy** of it using **FTP**

Project Deliverables

- Network Diagram
- Full Documentation Report
- Working Lab Environment Demo