

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

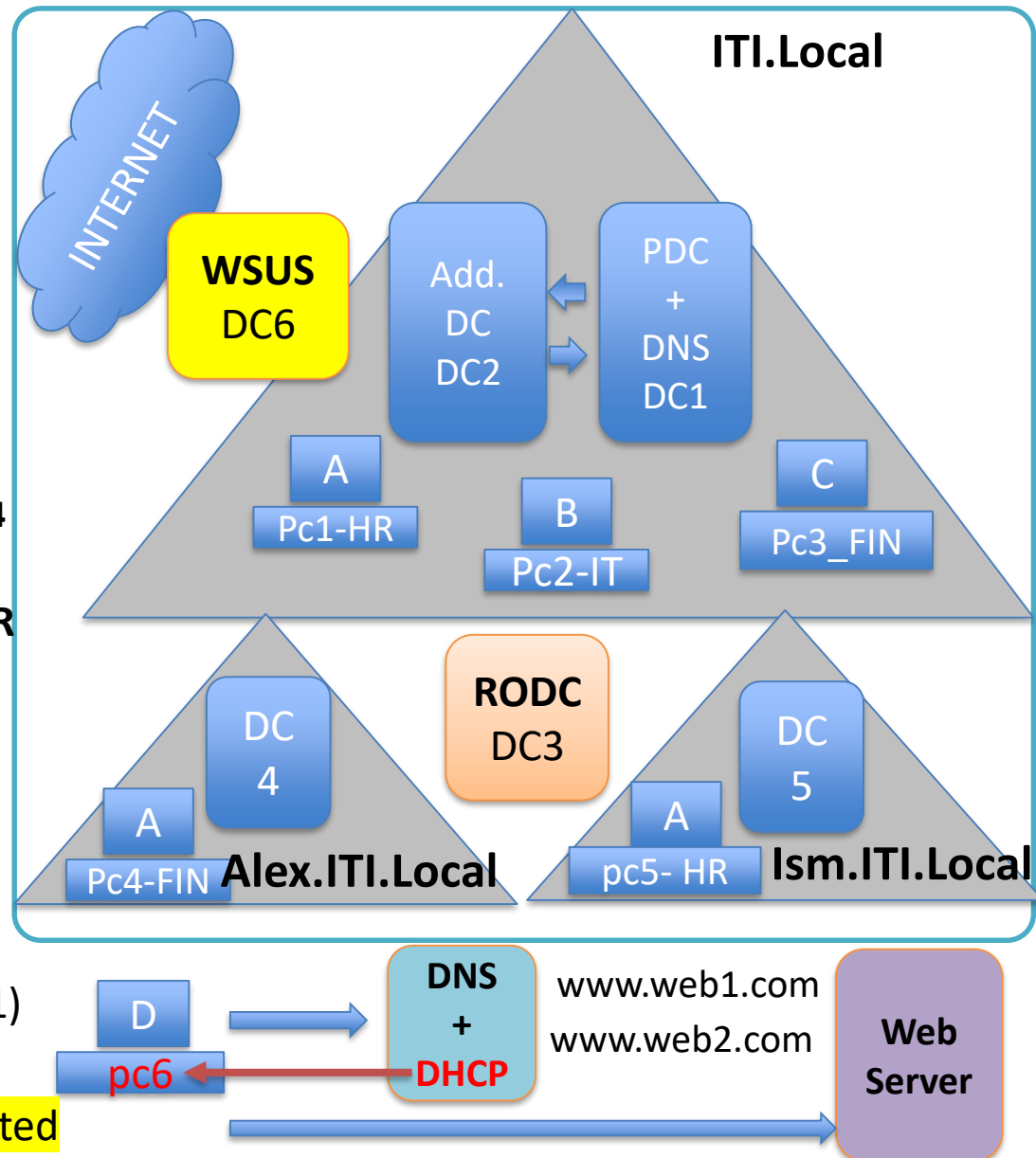
Active Directory Design

- • 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 , tray 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](http://www.web1.com) and get a **copy** of it using **FTP**

Project Deliverables

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