Windows Server Fundamentals

Lesson 2 Implementing Active Directory Domain Services

Module Overview

- What Is a Domain?
- AD DS Trees
- The AD DS Forest
- Organizational Units
- Why Use Organizational Units?
- What Is a Domain Controller?
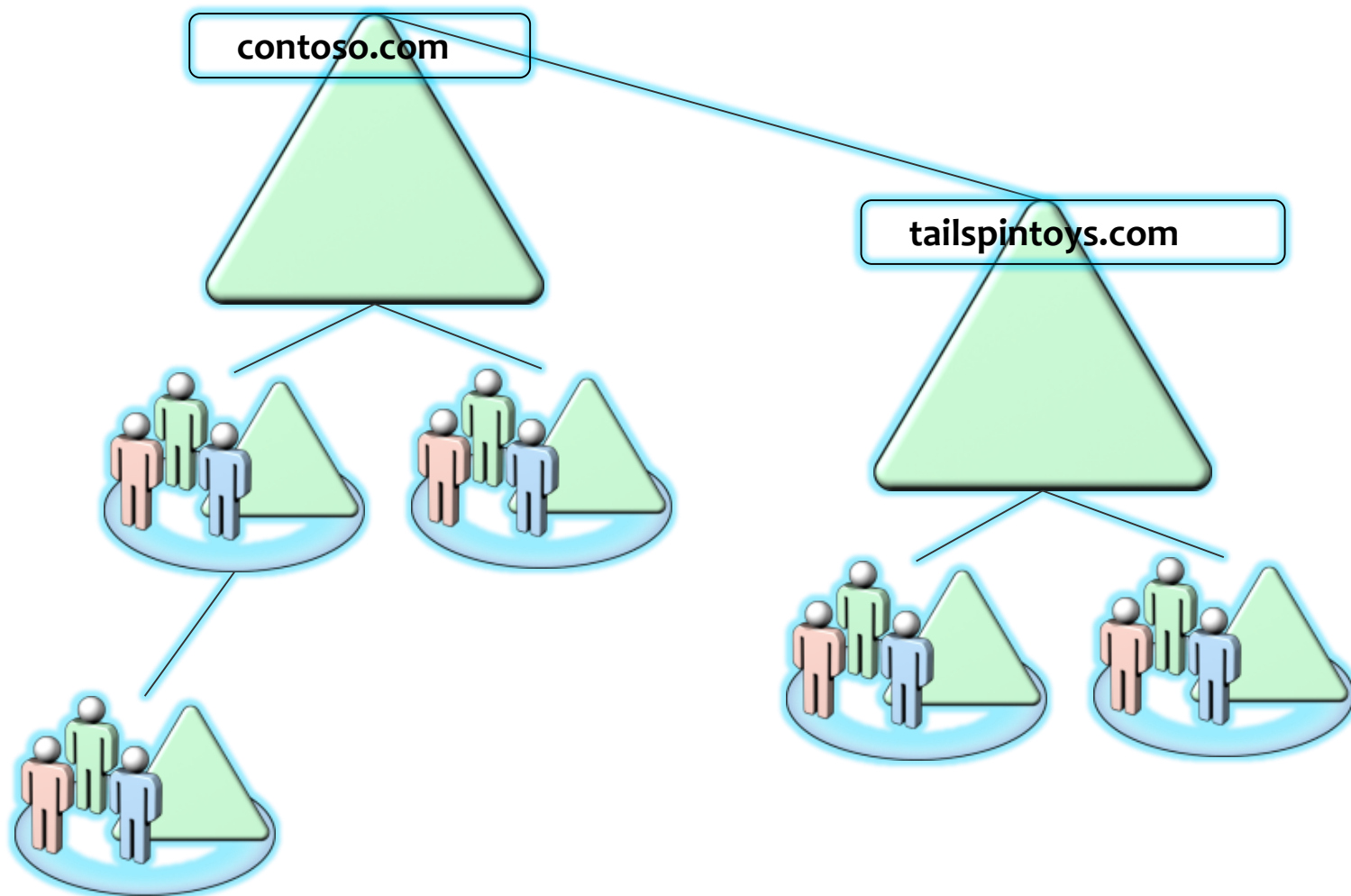- AD DS Sites
- AD DS Replication

What Is a Domain?

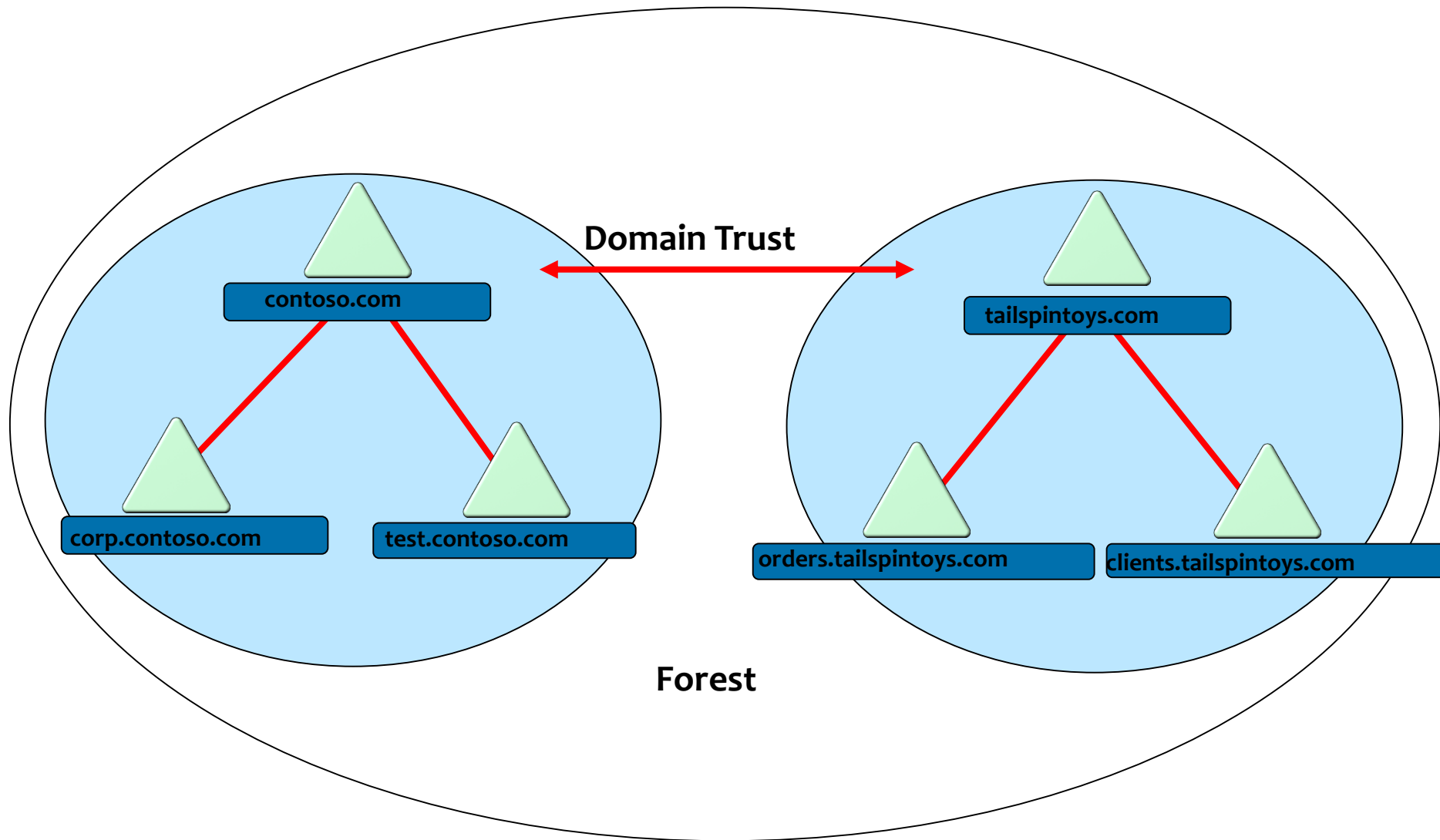A domain is created when you promote a server to a domain controller

A domain is:

- An administrative boundary

- A replication boundary

- An authentication boundary

AD DS Trees

contoso.com

tailspintoys.com

The AD DS Forest

Domain Trust

contoso.com

corp.contoso.com

test.contoso.com

tailspintoys.com

orders.tailspintoys.com

clients.tailspintoys.com

Forest

Organizational Units

An organizational unit is a container object within a domain that you can use to consolidate users, groups, computers, and other objects

There are two reasons to create organizational units:

- Configure objects within the organizational unit

- Delegate administrative control

You can create organizational units that represent the departments within your organization, or the geographic regions within your organization, or a combination of both

Why Use Organizational Units?

Organizational units in a domain

An OU is a container within a domain

Computer Account

User Account
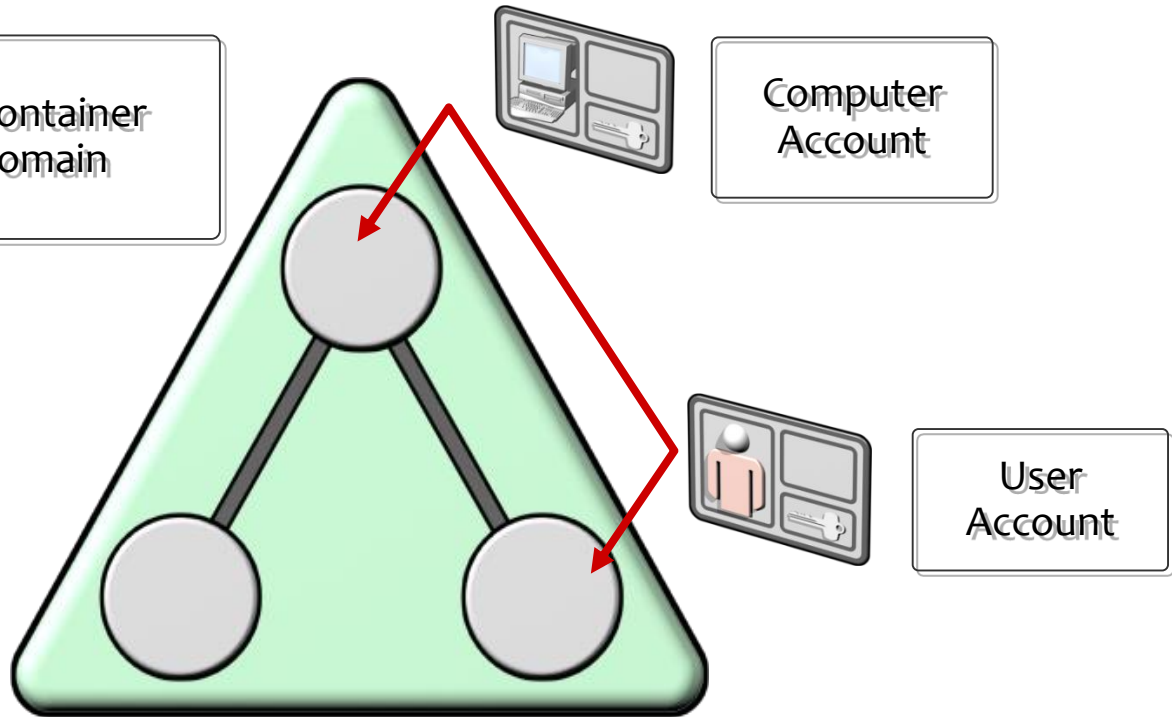
You can deploy your OUs into a hierarchical structure based on geography, department, resources, management requirements, or a combination of all of these
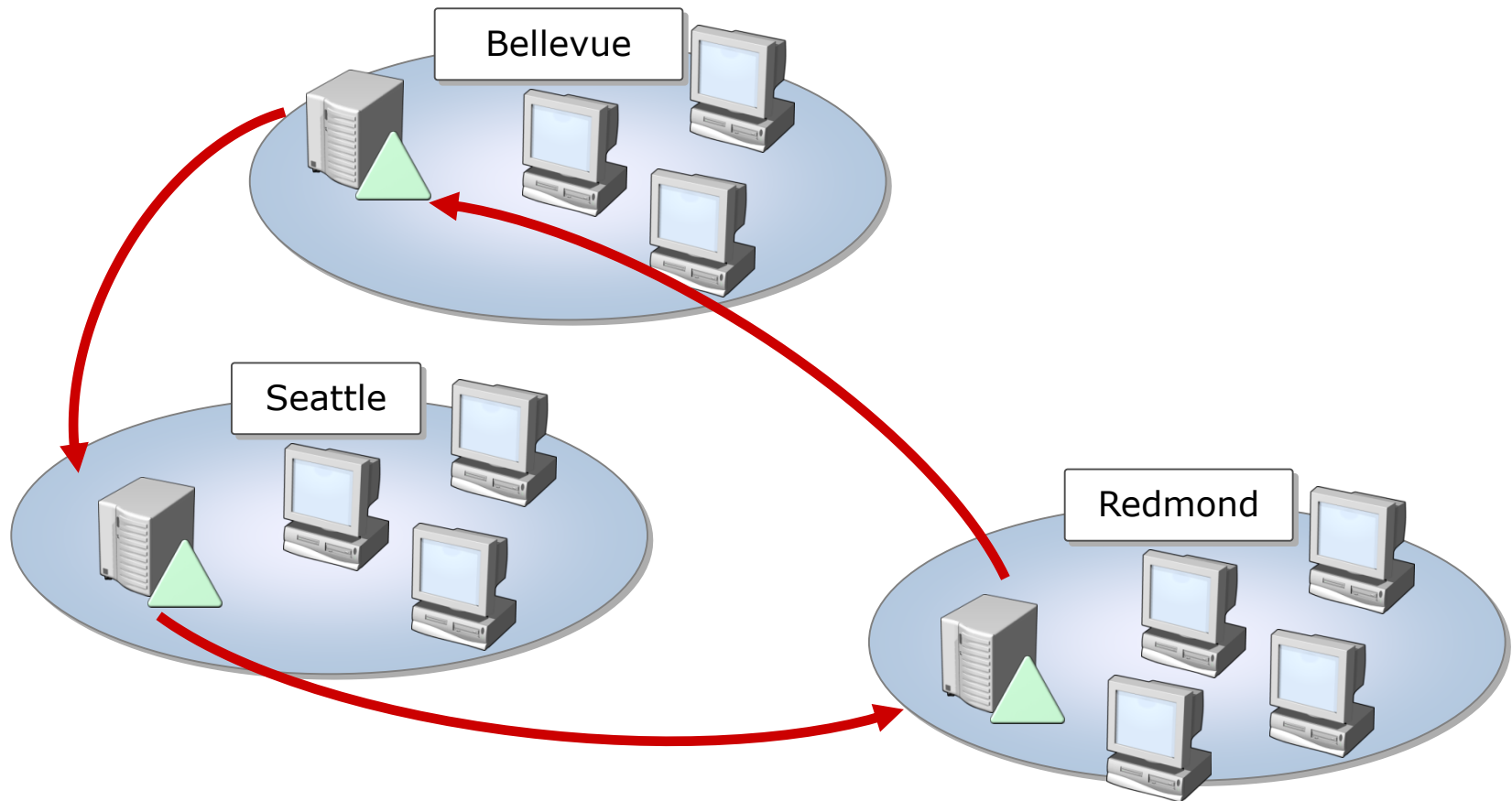
What Is a Domain Controller?

Domain controllers :

- Provide authentication

- Host operations master roles

- Host the global catalog

- Support group policies and SYSVOL

- Provide for replication

AD DS Sites
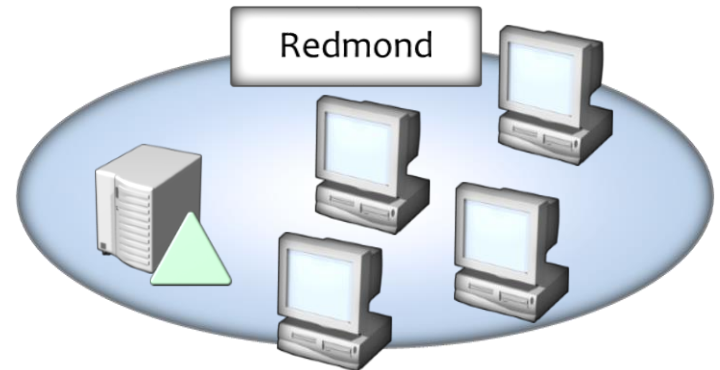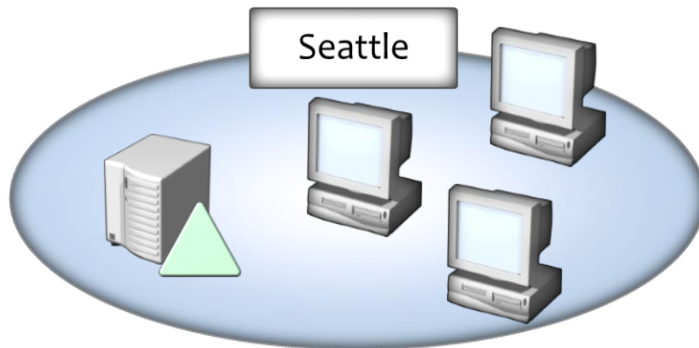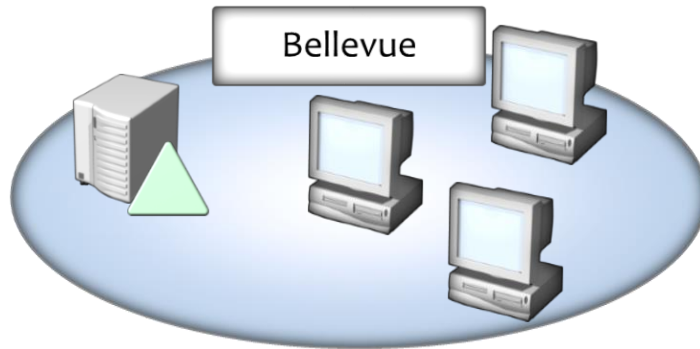
AD DS Replication

Lab Scenario

Contoso has created a new department ahead of a merger with A Datum. Ed Meadows has asked you to create a new OU in AD DS to support this new department and populate it with the users, groups, and computers to support the new staff.

Lab Review

In the lab, you used Active Directory Users and Computers to manage accounts. What other graphical tool could you use?