

Deploying Active Directory into an Existing Forest



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Summary



Discuss domain and forest functional levels

Upgrading an existing Active Directory forest

Configuring a multi-domain and multi-forest Active Directory infrastructure



Functional Levels

Domain

Sets the minimum operating system for our domain controllers as well as enabling features

Forest

Sets the minimum domain level for the forest and sometimes enables features



In-place Upgrade or New Windows Server 2019 Install

Minimum OS for In-Place

Windows Server 2012 R2 is the minimum operating system that can be upgraded

Minimum Functional Levels

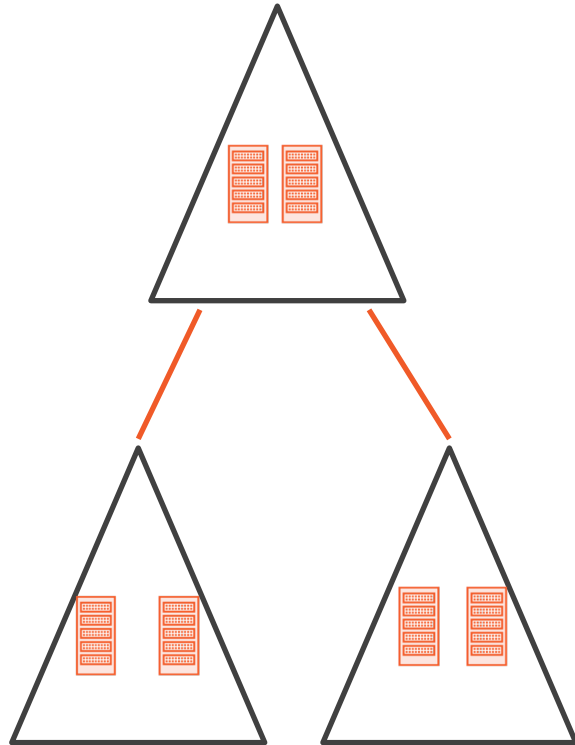
Windows Server 2008 is the minimum Domain and Forest functional level required.

New Domain Controllers

Microsoft recommends introducing new Windows Server 2019 domain controllers



Single tree
forest
Company.pri



Multi domain tree

Control replication

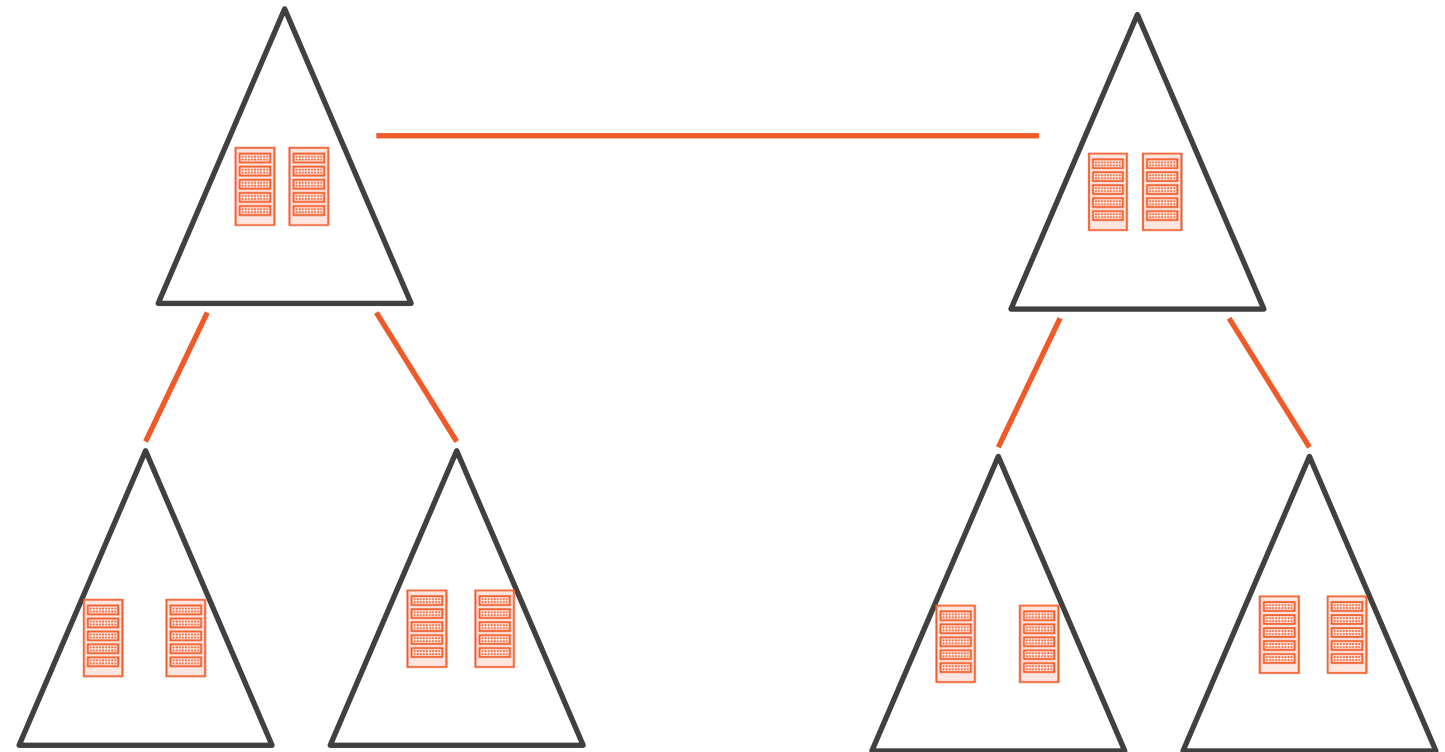
Administrative separation

Domains share

- Name space
- Schema partition
- Configuration partition
- Enterprise admin account
- Global catalog

Single tree
forest
Company.pri

Single tree
forest
Abc.pri



Multi forest
environment

Corporate mergers

Resource forest
design

Incompatible schema
changes

Do not share anything



Summary



You have learned about forest and domain functional levels

You have learned about the minimum requirements needed to deploy a new Server 2019 domain controller

You have learned why we have multi domain and multi forest designs

In our next module

- Active Directory trusts

