

Overview

BhuvanApps is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment

- Their existing environment consists of an Active Directory domain named bhuvanapps.com. This is being hosted on a Windows Server.
- The company has also setup an Azure AD tenant
- Their subscription currently consists of Azure AD basic licences.

Network Infrastructure

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection

Requirements

Planned Changes

- The company wants to setup a new office in Mumbai
- All resources for the Mumbai office will be hosted in Azure
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will joined to the Azure AD domain

Planned Azure Networking Infrastructure

The following Virtual networks will be setup in Azure

Name
bhuvanapp-mumbai
bhuvanapp-office
bhuvanapp-client

The following subnets will be in place

Subnet Name	Virtual Network
bhuvanapp-mumbai	SubnetA
bhuvanapp-mumbai	SubnetB
bhuvanapp-client	SubnetC
bhuvanapp-office	SubnetD
bhuvanapp-office	SubnetE

The following additional settings will be in place

- Default routes in Azure will be used to route traffic
- A peering connection will be established between the virtual networks bhuvanapp-mumbai and bhuvanapp-office
- The peering connection for bhuvanapp-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named bhuvanapps.local. The registration network will be set to the bhuvanapp-client virtual network

The company has the following additional requirements

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior week.