

Overview

BhuvanAcademy is an online training provider.

Existing Environment

BhuvanAcademy currently has an on-premise environment that consists of the following

- A set of Virtual machines that host web-based application workloads
- A set of Virtual machines that host database workloads
- An Active directory setup using Windows Server 2012 R2

Proposed Environment

- BhuvanAcademy has recently setup an Azure Active Directory (Azure AD) tenant
- They want to migrate their web and database workloads to the cloud
- They also want to setup a document store where users will be able to upload and download files

Infrastructure changes

- There is a need to setup Azure AD and ensure users from their On-premise Active directory is synced up to Azure AD
- A custom domain of bhuvanacademys.com also needs to be setup in Azure
- The web based Virtual Machines in Azure should only allow HTTPS traffic for the Internet based users

Non-Functional requirements

- An SLA of 99.5% needs to be guaranteed for the availability of the Virtual Machines
- Storage replication needs to be in place to ensure that data is available even in the case of a data centre failure
- Wherever possible costs should be minimized