

NETWORK ARCHITECTURE B

POE



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**Introduction**

Azure Active Directory is a cloud-based identity and access management service. Azure AD enables your employees access external resources, such as Microsoft 365, the Azure portal, and thousands of other SaaS applications. Azure Active Directory also helps them access internal resources like apps on your corporate intranet, and any cloud apps developed for your own organization

**Overview of Microsoft Azure**

The Azure platform aims to [help businesses manage challenges](https://www.techtarget.com/searchcloudcomputing/feature/5-tips-that-can-lead-to-Azure-cloud-management-success) and meet their organizational goals. It offers tools that support all industries -- including e-commerce, finance and a variety of Fortune 500 companies -- and is compatible with open source technologies. This gives users the flexibility to use their preferred tools and technologies. In addition, Azure offers four different forms of cloud computing: infrastructure as a service ([IaaS](https://www.techtarget.com/searchcloudcomputing/definition/Infrastructure-as-a-Service-IaaS)), platform as a service ([PaaS](https://www.techtarget.com/searchcloudcomputing/definition/Platform-as-a-Service-PaaS)), software as a service ([SaaS](https://www.techtarget.com/searchcloudcomputing/definition/Software-as-a-Service)) and [serverless](https://www.techtarget.com/searchitoperations/definition/serverless-computing) functions.

**Integration with Microsoft 365**

When you integrate AD DS, you can synchronize and manage user accounts for both environments. You can also add password hash synchronization (PHS) or single sign-on (SSO) so users can log on to both environments with their on-premises credentials.

When you integrate with on-premises server products, you create a hybrid environment. A hybrid environment can help as you migrate users or information to Microsoft 365, or you can continue to have some users or some information on-premises and some in the cloud. For more information about hybrid environments, see [hybrid cloud](https://learn.microsoft.com/en-us/microsoft-365/solutions/cloud-architecture-models?view=o365-worldwide#hybrid).

**Support for mobile devices management**

Can enforce compliance with organization policies, add or remove apps, and more. Can report a device's compliance in Azure AD. Azure AD can allow access to organization resources or applications secured by Azure AD to devices that comply with policies.

**Architectural diagram**

 is a visual representation that maps out the physical implementation for components of a software system. It shows the general structure of the software system and the associations, limitations, and boundaries between each element.

**Conclusion**

A user logs on to their on-premises environment with their user account (domain\username). When they go to Microsoft 365, they must log on again with their work or school account (user@domain.com). The user name is the same in both environments.