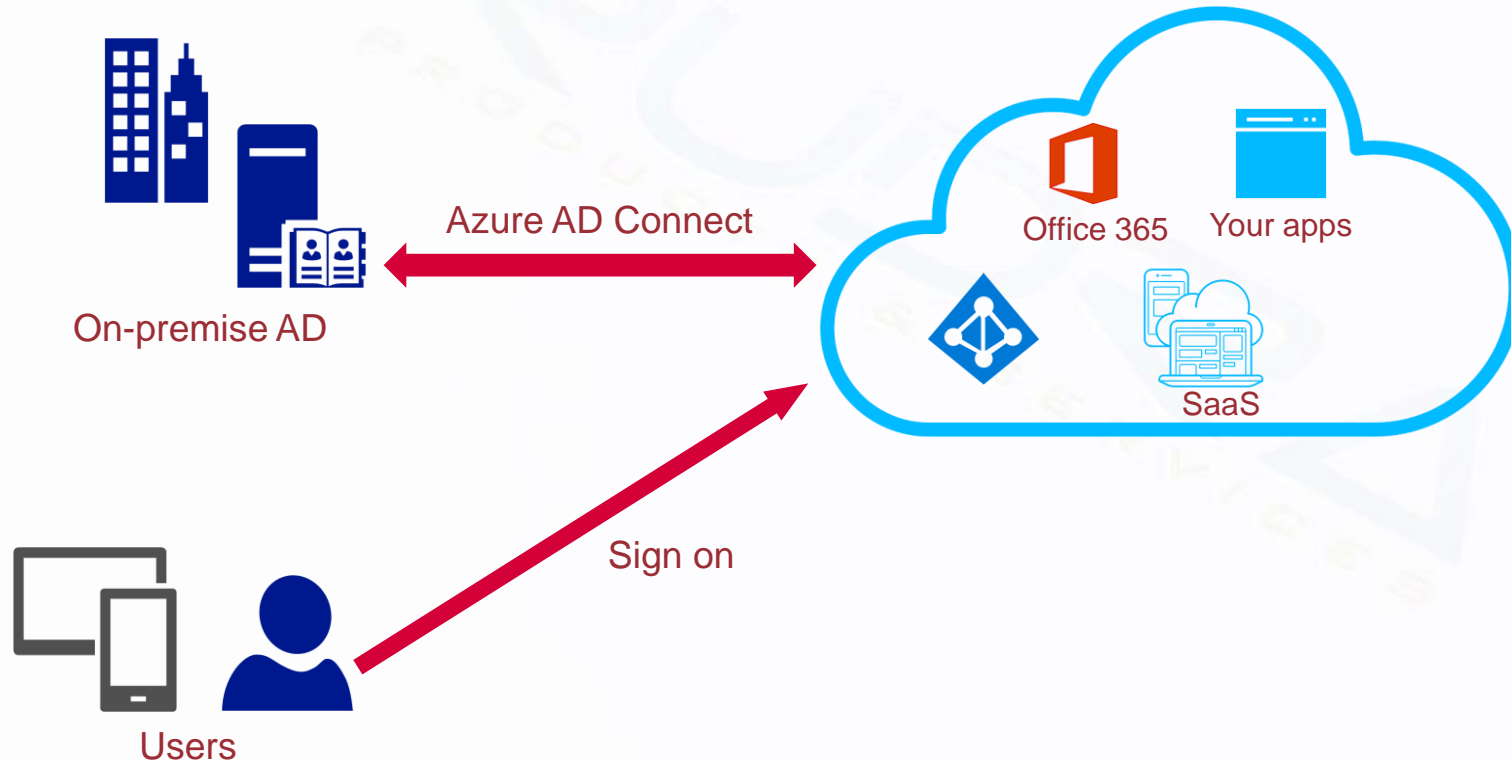


AD Connect, Authentication methods & topologies

Introduction to AD Connect

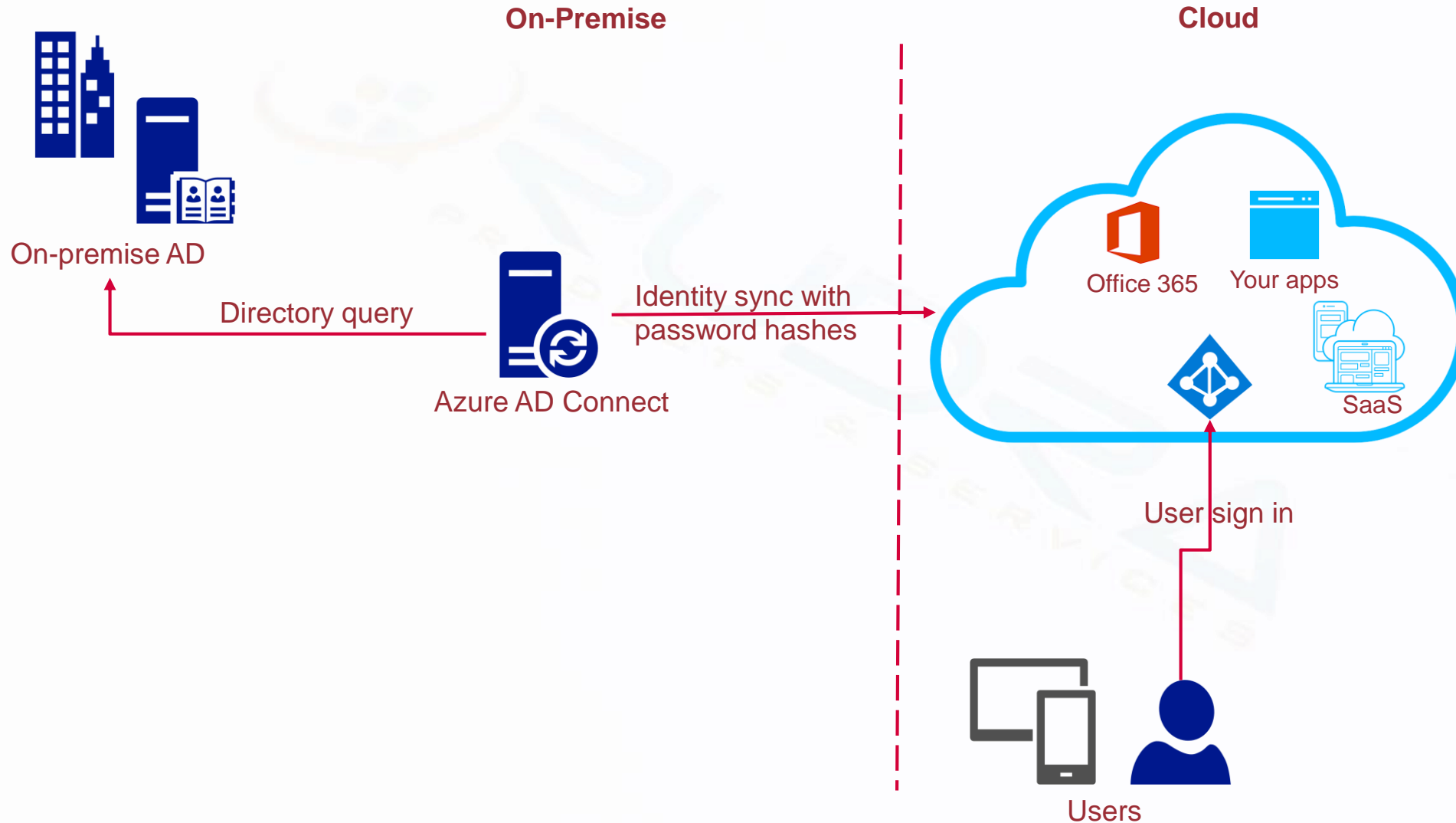
AD connect is a corner stone for delivering Azure Active Directory hybrid identity solution. Using AD connect you are able to synchronise identities between on-premise AD and Azure AAD and implement different authentication methods



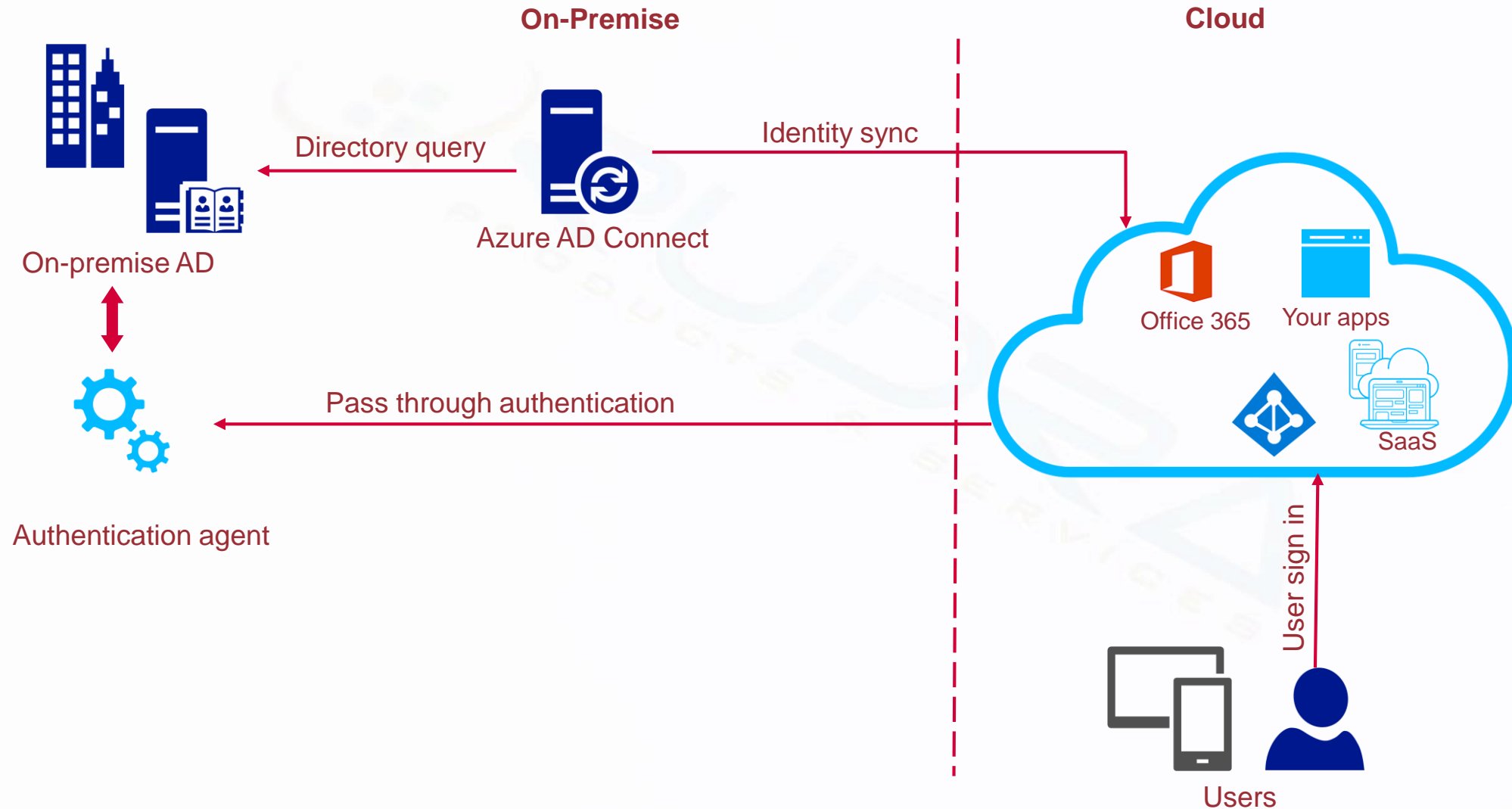
Choosing the correct authentication method is a crucial first decision in setting up an Azure AD hybrid identity solution. Implement the authentication method that is configured by using Azure AD Connect, which also provisions users in the cloud.

- **Cloud authentication**
 - **Azure AD password hash synchronization** - The simplest way to enable authentication for on-premises directory objects in Azure AD. Users can use the same username and password that they use on-premises without having to deploy any additional infrastructure.
 - **Azure AD Pass-through Authentication** - Provides a simple password validation for Azure AD authentication services by using a software agent that runs on one or more on-premises servers.
- **Federated authentication** - When you choose this authentication method, Azure AD hands off the authentication process to a separate trusted authentication system, such as on-premises Active Directory Federation Services (AD FS), to validate the user's password.

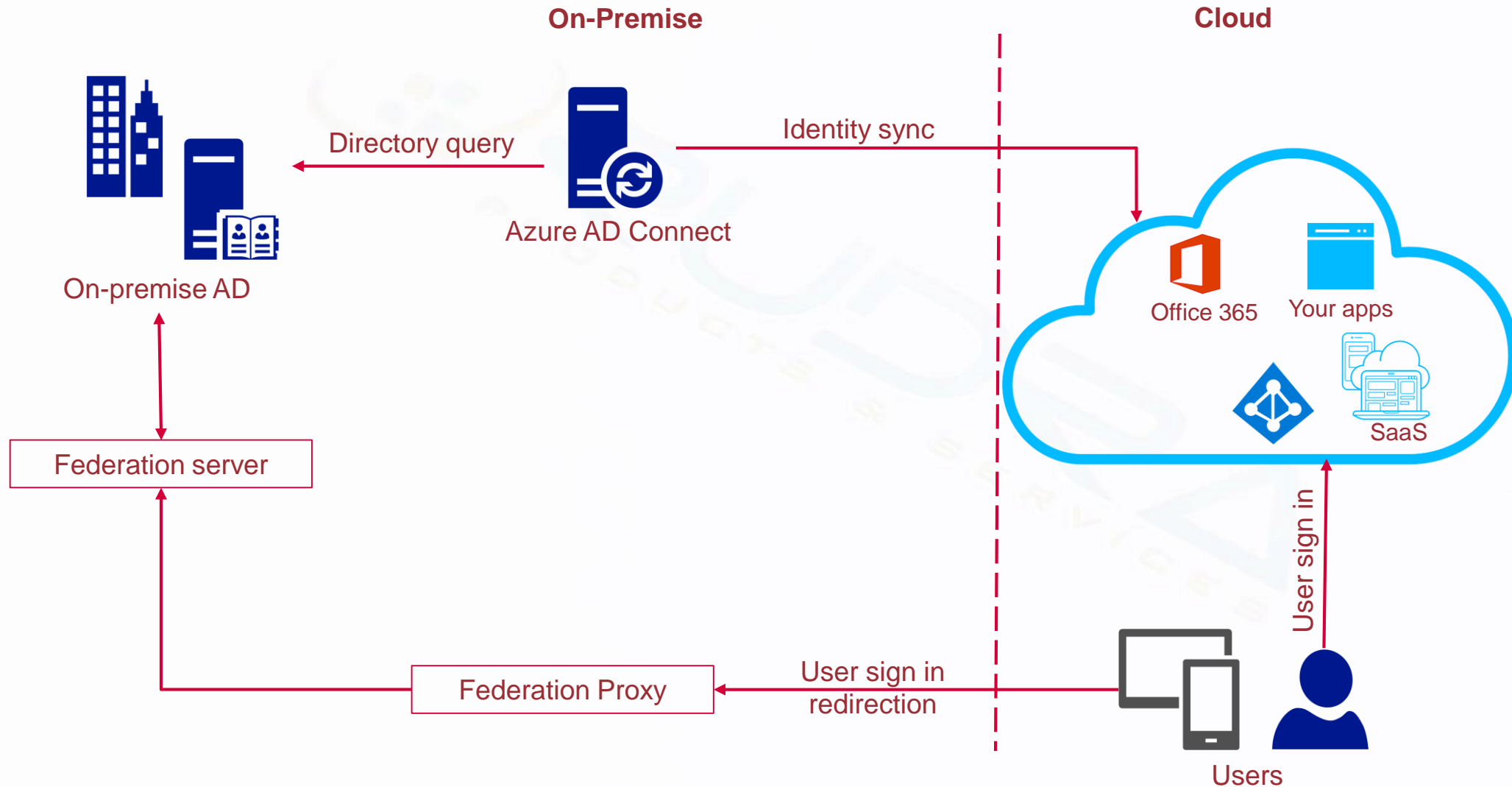
Password hash synchronisation architecture



Pass through authentication architecture



Federation authentication architecture



Decision tree for Authentication option

