# **Documentation: Microsoft Entra ID – Supporting SkillB's Migration to Azure Cloud**

This document outlines how a cloud engineer at SkillB would leverage **Microsoft Entra ID** features to manage users, groups, and applications while facilitating the migration of SkillB’s operations to the Azure cloud.

### **1. Entra ID Tenant**

SkillB operates two branches in London and New York. To manage users and groups in these locations efficiently, I decided to create two separate Entra ID tenants:

* **London\_tenant** (Default Tenant)
* **New-York\_tenant**

#### **Steps to Create an Additional Tenant:**

1. Navigate to **Microsoft Entra ID** > **Manage Tenant IDs** > **Create**.
2. Select the desired tenant type:
   1. **Microsoft Entra ID** (for licensed customers).
   2. **Azure AD B2C** (for customer-facing applications).
3. Fill in the required fields during configuration, including the tenant name, domain name, and subscription details.
4. Click **Review + Create** to finalize the setup.

With the tenants created, SkillB is ready to interact with the Azure cloud environment.

### **2. Customize Domain Name**

Customizing the domain name (replacing the default *onmicrosoft.com* domain) helps SkillB establish a unique brand identity and create distinct accounts for its users.

#### **Steps to Customize the Domain Name:**

1. **Register the Domain** with an official domain name registrar.
2. Navigate to **Microsoft Entra ID** > **Custom Domain Names** > **Add Custom Domain**.
3. Enter the custom domain name (e.g., *SkillB.com*).
4. Copy the provided Microsoft verification code.
5. Add a DNS record with the copied code at the domain registrar's platform.

Once verified, SkillB’s domain is customized, and user accounts will adopt the new domain format:

[username@SkillB.com](mailto:username@SkillB.com).

### **3. Entra ID Domain Services**

To enable legacy applications that rely on traditional Active Directory (AD) features to function in the cloud, we need to configure **Microsoft Entra Domain Services**.

#### **Steps to Configure Entra ID Domain Services:**

1. Go to [**https://entra.microsoft.com**](https://entra.microsoft.com/).
2. Search for "Domain Services" and select **Microsoft Entra Domain Services**.
3. Click **Create**.
4. Configure settings, including selecting the virtual network.
5. Click **Review + Create** to deploy the service.

This allows SkillB’s older applications to seamlessly operate in the cloud.

### **4. Enterprise Applications**

The **Enterprise Application** feature in Microsoft Entra ID provides SkillB access to Software-as-a-Service (SaaS) applications.

* I can add users, groups, and devices to consume selected applications.
* I can customize and configure integration and identity settings but cannot make changes at the software level.

#### **Steps to Create an Enterprise Application:**

1. Navigate to **Microsoft Entra ID** > **Enterprise Applications** > **New Application**.
2. Browse the software gallery and select the desired application.
3. Assign users and groups to the application as needed.

This feature enhances SkillB's ability to manage SaaS applications efficiently.

### **5. Administrative Units**

SkillB's software development team is working on a full-stack e-commerce website for an external client. To streamline management, I’ve created two **Administrative Units**:

1. **Front\_End\_e-commerce**
2. **Back\_End\_e-commerce**

Each administrative unit is assigned specific developers, groups, and devices. Roles are configured to grant or restrict permissions at the administrative level.

#### **Steps to Create an Administrative Unit:**

1. Navigate to **Microsoft Entra ID** > **Administrative Units** > **Add**.
2. Enter the name of the administrative unit.
3. Assign roles to the unit, ensuring precise permission control.
4. Click **Review + Create** to complete the setup.

### **Final Notes**

This documentation captures a practical application of **Microsoft Entra ID** features, providing SkillB with robust identity management and governance as part of its Azure migration strategy. By leveraging tenants, custom domain names, domain services, enterprise applications, and administrative units, SkillB achieves efficient operations and enhanced security in the cloud.

Note: SkillB is not existed company, it is only to gain practical experience.