

SAP Concur Employee Search – End-to-End Implementation Guide

This document provides a complete, client-ready explanation of the working SharePoint, Azure, and SAP Concur integration used to search and view employee (user) data in real time.

1. Executive Overview

The solution enables SharePoint users to securely retrieve SAP Concur employee data using a modern, cloud-native architecture. SharePoint acts as the user interface, Azure hosts the integration logic, and SAP Concur remains the authoritative source of employee data.

2. Architecture Overview

The solution consists of SharePoint (SPFx), Microsoft Entra ID, Azure App Service (FastAPI), and SAP Concur Identity APIs working together in a secure flow.

- 1 SPFx Web Part for the user interface.
- 2 Microsoft Entra ID for authentication and authorization.
- 3 Azure App Service running FastAPI for API integration.
- 4 SAP Concur Identity v4.1 APIs as the data source.

3. User Journey

Users load a SharePoint page, request employee data, and view detailed records. All data access is authorized and audited through Microsoft Entra ID.

4. SAP Concur APIs Used

- 1 GET /profile/identity/v4.1/Users – list employees.
- 2 GET /profile/identity/v4.1/Users/{userId} – retrieve employee details.

5. Deployment Summary

Deployment involves configuring Azure App Service, Azure Key Vault, Entra ID app registrations, and deploying the SPFx solution to the SharePoint App Catalog.

This foundation supports future expansion to additional SAP Concur APIs with minimal rework.