Business Partner Upload Demo (ABAP)

CSV Upload → BAPI Processing → ALV Validation

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1. Introduction

This demo demonstrates a complete Business Partner upload process implemented in classic ABAP. The application allows users to select a CSV file from their local desktop, validate and upload Business Partner data via standard SAP BAPIs, and visualize the results using ALV grids. Validation feedback is clearly displayed, and detailed error messages can be accessed via double-click.

2. Process Overview

1. User selects a CSV file from the desktop.
2. File content is read and parsed into internal tables.
3. Business Partners are created or validated using BAPI calls.
4. Results are displayed in an ALV grid with status icons.
5. Double-clicking a row opens a detailed return message screen.

3. Screens & Functional Description

Selection Screen (Screen 100)
The selection screen allows the user to choose a CSV file from the local desktop and define whether the run should be executed in test mode or real mode. Test mode validates the data without committing it to the database.

Main ALV Result Screen
After execution, an ALV grid displays all processed Business Partners. Each line contains a status icon indicating success, warning, or error. This gives immediate visual feedback on the upload result.

Detail Screen (Screen 200)
By double-clicking an ALV row, a popup screen opens showing detailed BAPI return messages. This enables deeper analysis of validation errors or warnings.

4. Technical Overview

• Report: Z_MIG_BP_UPLOAD
• Modular design using includes (TOP, IO, F1)
• CSV upload via frontend services
• Business Partner creation using standard SAP BAPIs
• ALV visualization using CL_GUI_ALV_GRID
• Event handling for double-click navigation

5. Summary

This demo provides a clean and modular example of a real-world ABAP upload scenario. It follows common SAP development patterns and can easily be extended or modernized for ABAP Cloud or REST-based architectures.