

SAP ENTERPRISE INTEGRATION

SAP S/4HANA Integration with Warehouse Management System (Afcons)

Business Challenge

Afcons was using **SAP S/4HANA** as their enterprise ERP platform. Their custom Warehouse Management System (WMS) required GRN (Goods Receipt Note) and MIV (Material Issue Voucher) data from SAP for accurate inventory tracking.

Manual extraction of this data resulted in:

- Delayed warehouse updates
- Inventory mismatch
- Increased manual workload

Solution Implemented

A scheduler-based automated integration was implemented to extract GRN and MIV related data from SAP S/4HANA through APIs and synchronize it with the WMS application database.

- Daily Cron Job configured
- GRN & MIV data fetched automatically
- Data transformed and stored into WMS tables

Integration Scope

- GRN Header & Line Items
- MIV Header & Line Items
- Material Details
- Quantity
- Plant & Storage Location

Technology Stack

SAP S/4HANA APIs | Microsoft .NET Integration Service | Cron Scheduler | SQL Database

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Business Impact

- ✓ Automated warehouse data synchronization
- ✓ Improved inventory tracking
- ✓ Reduced manual data entry
- ✓ Increased operational efficiency

