



SAP S/4HANA and SLT - A Central Finance Success Story in the Wine Industry

Robert Barrios, Vice President (IT Services & Ops), E. & J. Gallo Winery

Ajithkumar Krishnakumar, Manager, Deloitte Consulting

Session ID 82422

About the Speakers

Robert Barrios

- Vice President, IT Shared Services and Operations at E. & J. Gallo Winery
- Executive leader, visionary and versatile operator across multiple technology platforms
- Gets 'hands-on' on every technology

Ajithkumar Krishnakumar

- Manager, Deloitte Consulting
- Technical Architect with 10+ years of SAP Technology consulting experience
- Loves auto-driving cars

Key Outcomes/Objectives

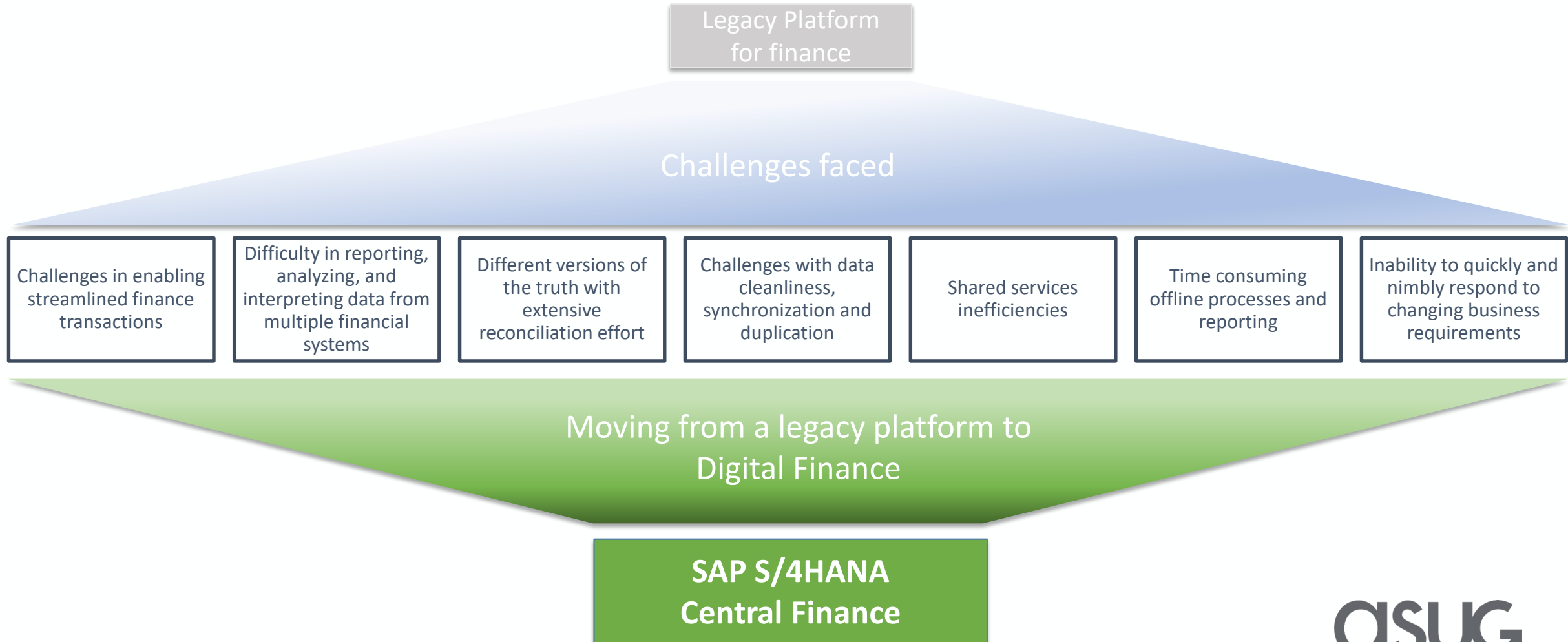
1. Learn how SAP Central Finance provided a centralized platform for standardization of processes
2. Take away project methodologies and re-usable reference architectures that can be applied to your industry
3. Understand important lessons learnt and technical considerations in setting up real-time data replication from multiple non-SAP data sources

Agenda

- *The business case*
- *Challenges faced*
- *Solution implemented*
- *Lessons Learnt*

The Business Case

An 85 year old organization's ongoing efforts to achieve the next level of growth and maintain market leadership by investing in next generation platforms:



What we aimed to achieve with Central Finance

First step towards SAP
S/4HANA based
business transformation
(Release 1)

Single source of truth
for financial reporting

Centralize payments
through SAP

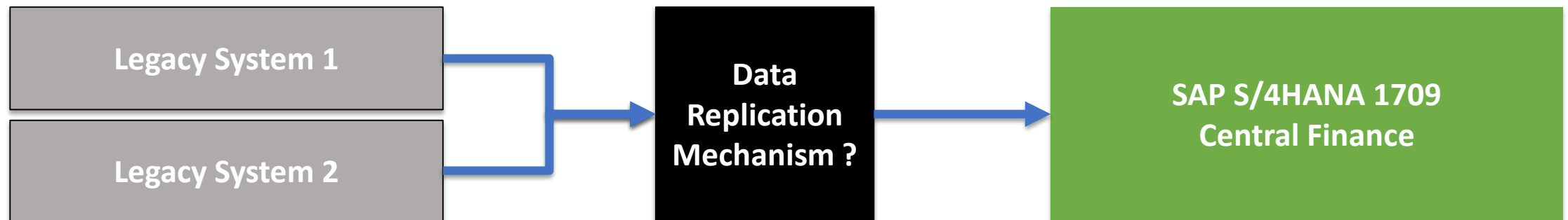
Minimize reconciliation
efforts

Enable soft close
capabilities in SAP
(interim state)

Leverage standard KPI
based analytics

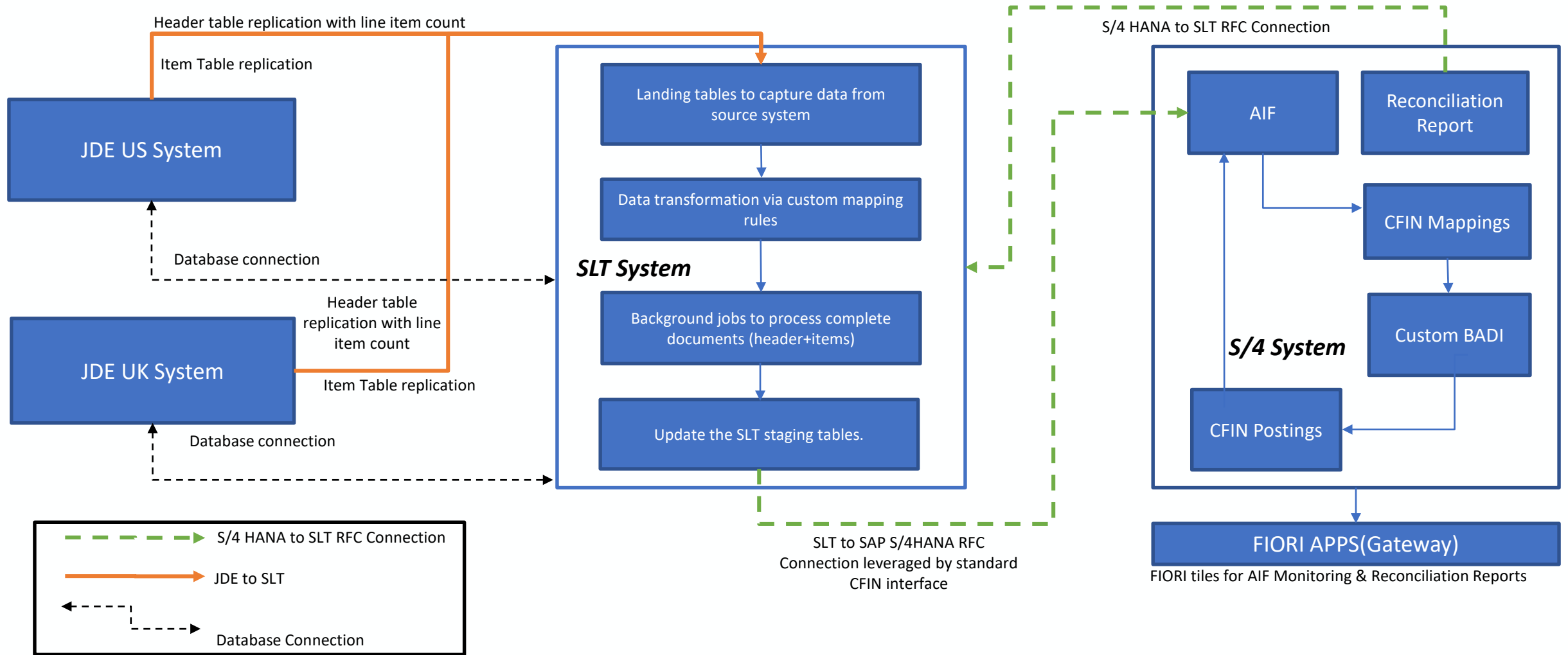
Where SAP Landscape Transformation came in...

- Interim state of overall business transformation required JDE to co-exist with SAP S/4HANA
- Data from multiple non-SAP source systems (JDE based applications running on two independent servers) had to be interfaced to SAP S/4HANA
- Near-real-time replication for SAP S/4HANA Central Finance
- Custom mapping capabilities to address various document types and scenarios
- Reconciliation reports for end-to-end traceability



SAP Landscape Transformation (SLT) was chosen as the tool of choice for integrating the legacy system with SAP S/4HANA Central Finance

Solution Architecture



Key Solution Components

Connectivity between SAP and NonSAP Systems

- Leveraged the database connectivity option of SLT to connect to a Non-SAP system
- PTF (Program Temporary Fixes) files for installing connectivity components on IBM iseries DB2
- RFC connection from SLT to CFIN

Custom development for data transformation & mapping

- ABAP Includes developed in SLT and coded to suit the mapping between nonSAP and SAP structures
- SAP S/4HANA BADI implementation for additional CFIN customization

CFIN Mapping

- Standard CFIN mappings leveraged

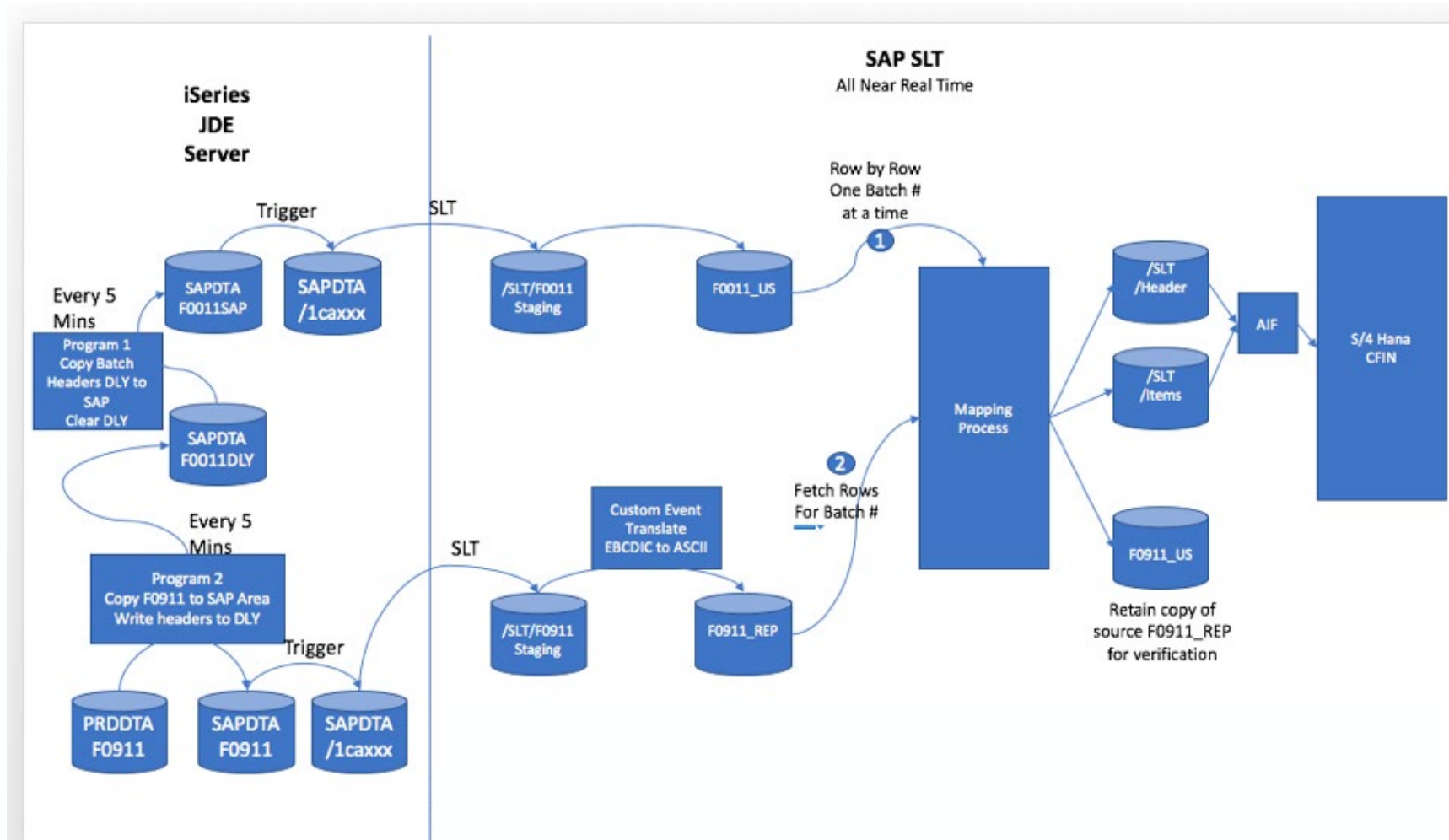
AIF

- Standard AIF interface for CFIN leveraged
- Corp Accounting empowered with AIF as primary tool for error monitoring and reprocessing

Reconciliation Reports

- Custom reports built for reconciling data (Standard offers low flexibility for use with nonSAP data sources)

Replication setup in detail



Challenges faced

Process

1. Non-standardized processes across entities
2. Lack of governance in maintaining data
3. Inefficiencies in monthly reconciliation
4. Lack of traceability into execution flows
5. Longer financial closing times
6. Heavily customized legacy solution

Technology

1. Multiple data sources across different time-zones
2. Legacy-solutions built without adequate documentation
3. Differences in DB trigger latencies between JDE & SLT
4. Fiori performance restrictions on AIF
5. Understanding database relationship model of legacy system

Custom Reconciliation Report

1. Custom report in S/4 system for end-to-end tracking of posted JDE documents in CFIN
2. RFC connection based connectivity to link the staged data with CFIN data
3. Standard out-of-box reconciliation reports have limitations in functionality when dealing with non-SAP data sources
4. Provided easy visibility into daily/weekly/monthly stats on reconciliation

AP Open Items Reconciliation report

Selection Criteria

JDE Document No		to	
JDE Company Code	400	to	
JDE Posting Date		to	
JDE Doc Type		to	
JDE Vendor No		to	
JDE Invoice No		to	

Filter On Status

All Records
 Display Success Records Only
 Display Error Records Only

AP Open Items Reconciliation Summary

JDE Doc Number	JDE Comp Code	JDE Posting Date	JDE Vendor No	JDE Invoice Am	JDE Currency	SAP Document No.	SAP Currency	SAP Accounting	SAP Comp Code	SAP Payee No.	SAP Invoice Date	SAP Transaction	Currency Am	Status
8987195	400	09/01/2018	4687	143,683.50	USD	8987195	USD	9800182269	1010	4687	04/15/2018	143,683.50	CC	
8987198	400	09/01/2018	4687	143,683.50	USD	8987198	USD	9800183307	1010	4687	07/15/2018	143,683.50	CC	
8987202	400	10/15/2018	4687	143,683.50	USD	8987202	USD	9800183308	1010	4687	10/15/2018	143,683.50	CC	
9010445	400	09/01/2018	444154	572.25	USD	9010445	USD	9800183309	1010	444154	11/07/2017	235.97	CC	
9017168	400	09/01/2018	12435	865.53	USD	9017168	USD	9800183310	1010	12435	06/29/2017	865.53	CC	
9115227	400	09/01/2018	444154	336.28	USD	9115227	USD	9800183311	1010	444154	08/16/2017	336.28	CC	
9122030	400	09/01/2018	45473	15,021.47	USD	9122030	USD	9800183312	1010	45473	03/22/2016	15,021.47	CC	
9122832	400	09/01/2018	8279	845.00	USD	9122832	USD	9800183313	1010	8279	05/30/2017	845.00	CC	
9211204	400	09/01/2018	9253	150.27	USD	9211204	USD	9800183314	1010	9253	08/29/2017	150.27	CC	
9219206	400	09/01/2018	31850	1,538.00	USD	9219206	USD	9800183315	1010	11743	09/11/2017	1,538.00	CC	
9221441	400	09/01/2018	31850	119,019.70	USD	9221441	USD	9800183316	1010	11743	10/09/2017	119,019.70	CC	
9248939	400	09/01/2018	499467	3,426.50	USD	9248939	USD	9800183317	1010	499467	08/31/2017	3,426.50	CC	
9248973	400	09/01/2018	499467	456.25	USD	9248973	USD	9800183318	1010	499467	09/30/2017	456.25	CC	
9253354	400	10/25/2017	31850	3,279.18	USD	9253354	USD	9800183319	1010	11743	09/19/2017	3,279.18	CC	
9281140	400	09/01/2018	77528	444.22	USD	9281140	USD	9800183320	1010	77528	10/09/2017	444.22	CC	
9281141	400	09/01/2018	77528	2,255.37	USD	9281141	USD	9800183321	1010	77528	10/09/2017	2,255.37	CC	
9301081	400	09/01/2018	499467	270.00	USD	9301081	USD	9800183322	1010	499467	10/31/2017	270.00	CC	
9303084	400	09/01/2018	31850	1,671.45	USD	9303084	USD	9800183323	1010	11743	11/13/2017	1,671.45	CC	
9303086	400	09/01/2018	31850	1,950.28	USD	9303086	USD	9800183324	1010	11743	11/13/2017	1,950.28	CC	
9305273	400	09/01/2018	10968	1,037.62	USD	9305273	USD	9800183325	1010	10968	05/22/2017	1,037.62	CC	
9319772	400	09/01/2018	8279	378.44	USD	9319772	USD	9800183326	1010	8279	10/30/2017	378.44	CC	
9321391	400	09/08/2018	5123	200.00	USD	9321391	USD	9800202185	1010	5122	05/08/2018	200.00	CC	
9321391	400	09/01/2018	5123	200.00	USD	9321391	USD	9800182556	1010	5122	05/08/2018	200.00	CC	
9321392	400	09/08/2018	5123	300.00	USD	9321392	USD	9800202180	1010	5122	05/08/2018	300.00	CC	
9321392	400	09/01/2018	5123	300.00	USD	9321392	USD	9800182257	1010	5122	05/08/2018	300.00	CC	
9321393	400	09/08/2018	5123	400.00	USD	9321393	USD	9800202181	1010	5122	05/08/2018	400.00	CC	
9321393	400	09/01/2018	5123	400.00	USD	9321393	USD	9800182558	1010	5122	05/08/2018	400.00	CC	
9321394	400	09/09/2018	5123	500.00	USD	9321394	USD	9800202183	1010	5122	05/09/2018	500.00	CC	
9321394	400	09/01/2018	5123	500.00	USD	9321394	USD	9800182260	1010	5122	05/09/2018	500.00	CC	
9321395	400	09/09/2018	5123	600.00	USD	9321395	USD	9800182263	1010	5122	05/09/2018	600.00	CC	
9321396	400	09/09/2018	5123	1,500.00	USD	9321396	USD	9800202184	1010	5122	05/09/2018	1,500.00	CC	
9321396	400	09/01/2018	5123	1,500.00	USD	9321396	USD	9800182265	1010	5122	05/09/2018	1,500.00	CC	
9321397	400	09/09/2018	5123	200.00	USD	9321397	USD	9800202186	1010	5122	05/09/2018	200.00	CC	
9321397	400	09/01/2018	5123	200.00	USD	9321397	USD	9800182267	1010	5122	05/09/2018	200.00	CC	
9321398	400	09/01/2018	5122	100.00	USD	9321398	USD	9800182268	1010	5122	05/16/2018	100.00	CC	
9321399	400	09/08/2018	5844	2,000.00	USD	9321399	USD	9800181871	1010	5844	09/07/2018	2,000.00	CC	
9321400	400	09/08/2018	5844	2,000.00	USD	9321400	USD	9800181872	1010	5844	09/07/2018	2,000.00	CC	
9336298	400	12/01/2017	31850	1,928.02	USD	9336298	USD	9800183327	1010	11743	11/17/2017	1,928.02	CC	

Lessons Learnt

- CFIN mapping dependencies and customization requirements
- Early identification of scenarios
- Non-SAP source system – DB setups
- Header/Item completeness based triggers
- Have a production replication environment set up to identify the unknowns
- Performance tuning of the SLT ABAP code
- Performance tuning of SLT based on rules
- Reconciliation reports
- Informed use of filters during load/replication
- Security dependencies on source, SLT & target

Take the Session Survey.

We want to hear from you! Be sure to complete the session evaluation on the SAPPHIRE NOW and ASUG Annual Conference mobile app.



Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

<http://info.asug.com/2019-ac-slides>

Q&A

For questions after this session, contact us at [email] and [email].

Let's Be Social.

Stay connected. Share your SAP experiences anytime, anywhere.

Join the ASUG conversation on social media: **@ASUG365 #ASUG**

