Sven Ringling
Hannah Smith

iProCon

Integrating Concur with Your SAP ERP System

Agenda

- **Until Recently…**
- The New Integration Add-On
- Alternative Options and Outlook

“Financial Connector” for SAP

Required Middleware

- Dell Boomi

Used IDOC technology on the SAP side

No HR Integration

Mixed customer feedback

- Basically did the job
- Cumbersome
- Sometimes unreliable – particularly on the EU data centre
- Limited scope

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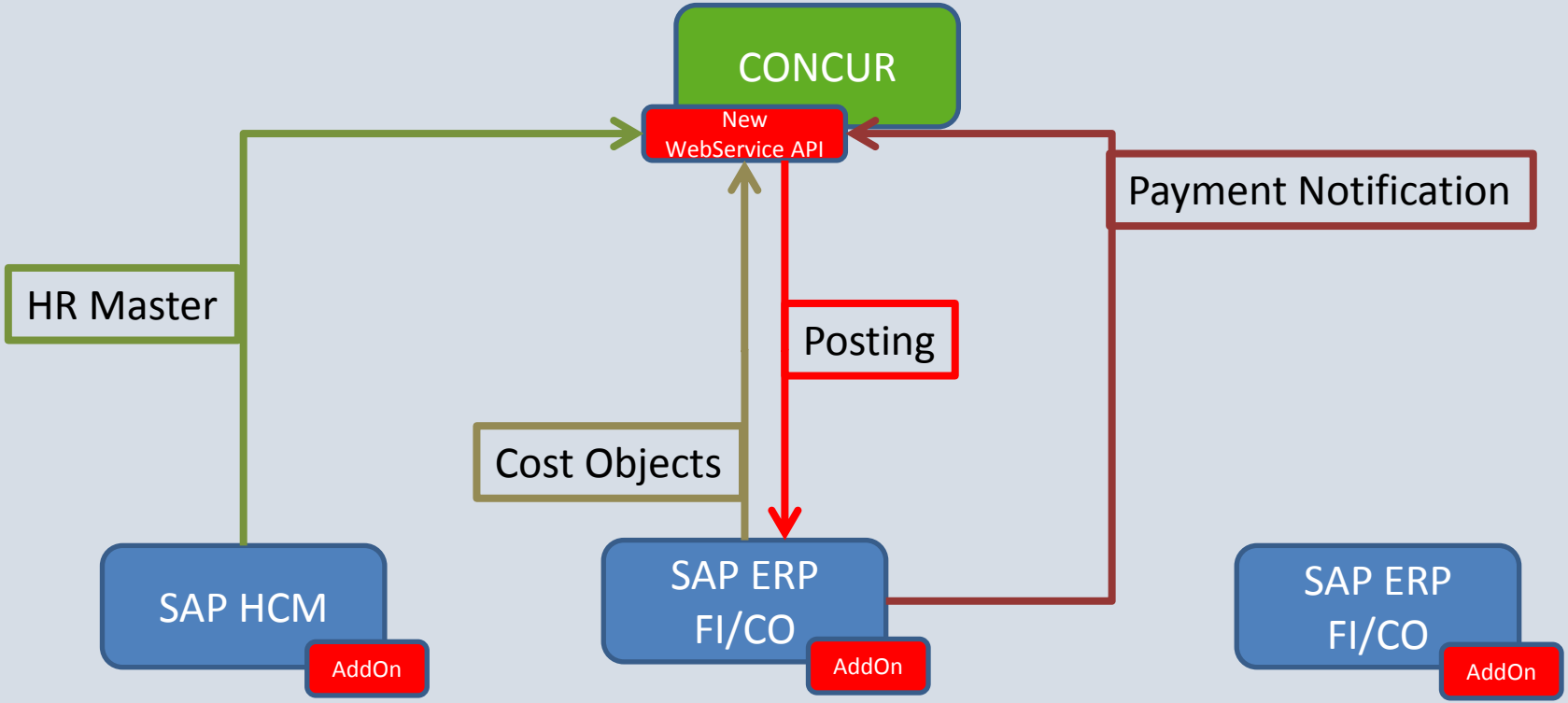
The new Concur – SAP ERP Integration



The New Integration: Good to Know

API based with one single RFC connection

- Communication is always initiated by SAP on-premise

Quick Wizard-based set-up

- Moderate activation fee includes some consultancy
- Add on needs to be installed and set up in each system

HR data can map any infotype fields plus more

Payment via AP only (for now)

Cost objects set up as connected list in Concur – min 4 levels

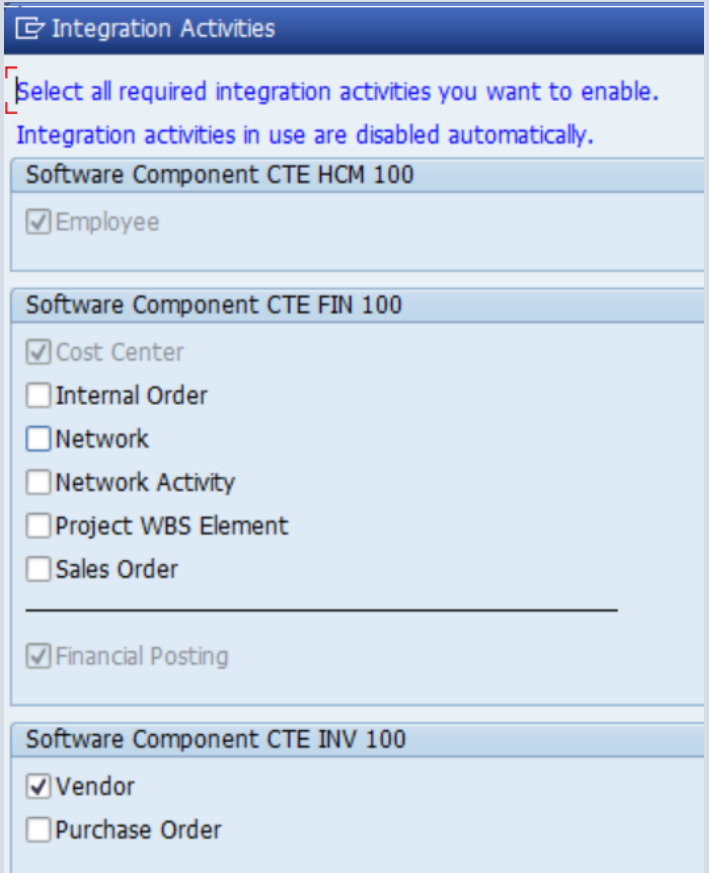
- Flexibility in mapping through BAdIs

Setting it up

1. Download package from SAP marketplace
   - Activation fee
   - Activate in Concur Web Services
   - Import SSL certificate in SAP (Trust Manager)
   - Wizard in transaction CTE_SETUP
2. Create connection between SAP and Concur
3. Configuration in Concur
   - Activating new integration per group
   - Cost object hierarchy and fields in forms
   - Remember: tax codes in SAP have only two characters
4. Configuration in SAP
   - Wizard driven
   - Transaction CTE_SETUP
   - Mapping, Cost object types, authorisations
   - Possibly BAdI programming

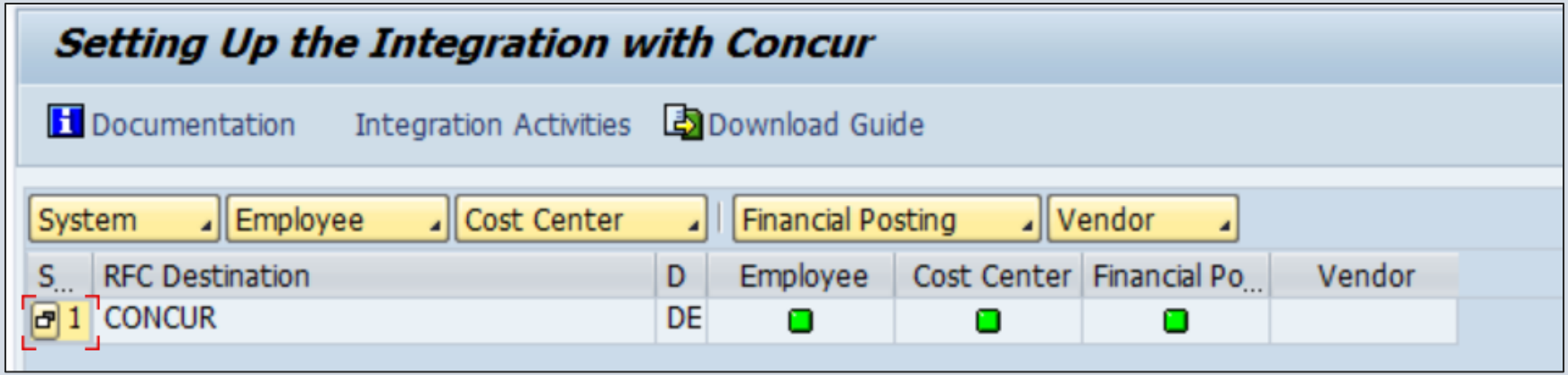
Defining Integration Scope

Transaction CTE_SETUP:

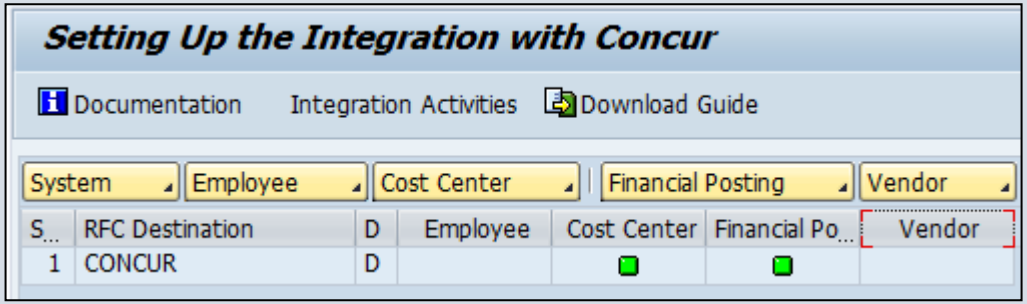


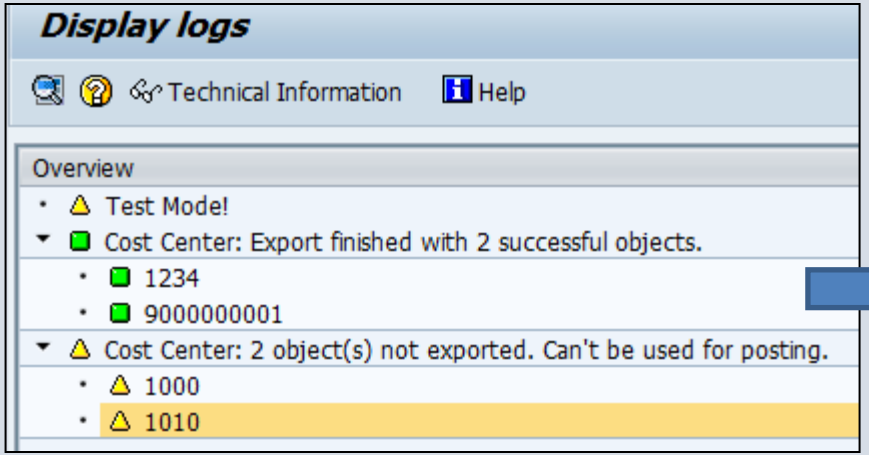
Integration Centre

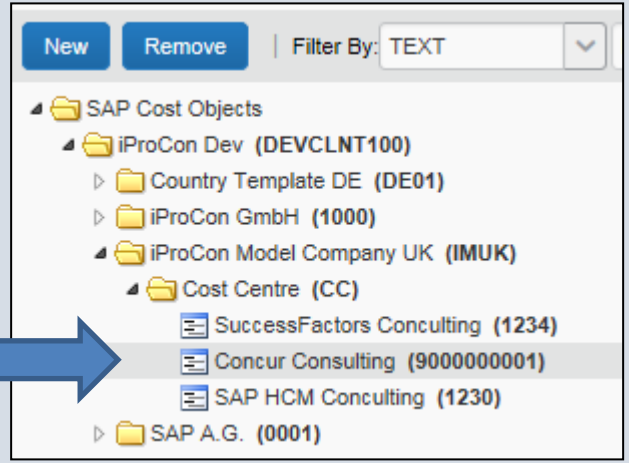
You can set up and manage the integration from transaction CTE_SETUP



Transferring Financial Master Data



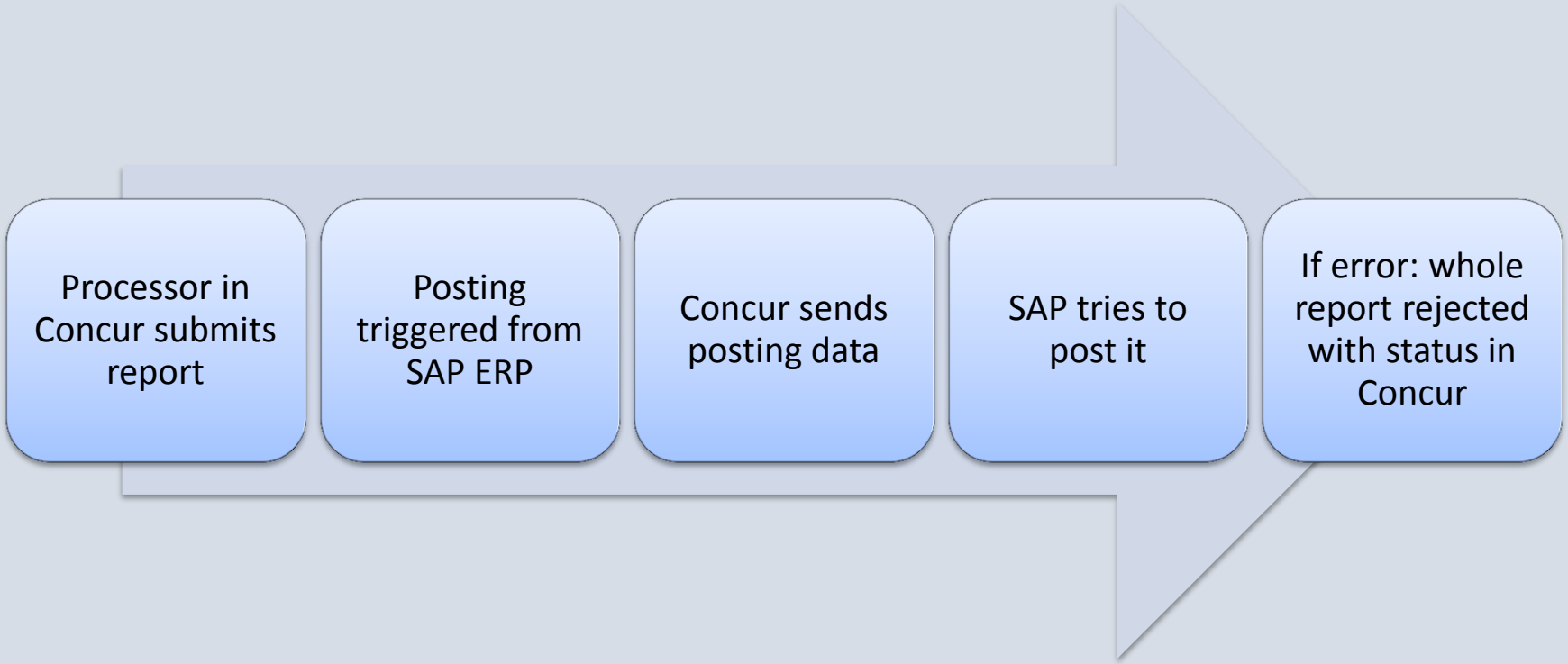




Setting up the Hierarchy

- Recommended by SAP: min 4 levels
  - System
  - Company Code
  - Cost Object Type
  - Cost Object ID
- Our recommendation: 5 levels
  - Add a code that allows you to restrict choice for each employee
  - This can be filled via BAdI
  - If you don’t need it initially: hide it with fixed value
- System and company code usually filled automatically based on employee org assignment

Posting


Processor in Concur submits report
Posting triggered from SAP ERP
Concur sends posting data
SAP tries to post it
If error: whole report rejected with status in Concur

Feedback loop

- Successful posting sends feedback to Concur

Sets status of report to “paid”

This can be confusing, because:

- it’s only posted to the vendor in SAP FI
- If you don’t have daily payment runs, employees will expect payment earlier than they’ll really get it

User Master data

- Filled from SAP HCM Master data
- Very flexible mapping

Infotype fields (incl. subtype)

Calculated fields

- E.g. line manager
- Coded in SAP standard methods
- Can currently be changed by modification only
- BAdI expected soon

HR Data Mapping

Form Type	Concur Field ID	Concur Field Name	SAP Table Name	SAP Infotype	SAP Subtype	SAP Field Name	SAP Implementation Code
Employee	Active	Active					EE_EVAL_HIRE_TERMINATION_DATE
Employee	CashAdvanceAccountCode	CashAdvanceAccountCode					
Employee	CrnKey	ReimbursementCurrency					EE_WAERS_FROM_PERSA_OR_BUKRS
Employee	CtryCode	CountryofResidence					EE_COUNTRY_FROM_PERSA_OR_BUKRS
Employee	CtrySubCode	State/Province					
Employee	Custom1	Country					
Employee	Custom15	ExemptFromApproval					
Employee	Custom16	AuditGroup					
Employee	Custom17	VendorID	PA0001	0001		PERNR	
Employee	Custom18	PayrollDeduction/EarningsCode					
Employee	Custom19	PayrollID					
Employee	Custom2	Company					
Employee	Custom20	PayrollCompanyCode					
Employee	Custom21	EmployeeGroup					EE_COUNTRY_FROM_PERSA_OR_BUKRS
Employee	Custom22	InvoiceGroup					
Employee	EmailAddress	EmailAddress	PA0105	0105	0010	USRID_LONG	
Employee	EmpId	EmployeeID	PA0001	0001		PERNR	
Employee	ExpenseApprover	Is Expense Approver					EE_IS_RLU_MANAGER
Employee	ExpenseApproverEmployeeID	Expense Approver Employee ID					EE_RLU_MANAGER_ID
Employee	ExpenseUser	Is Expense User					EE_ENABLE_AS_EXPENSE_USER

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Roadmap for Standard Integration

Early Adopter Programme

- Available now
- Restricted functionality

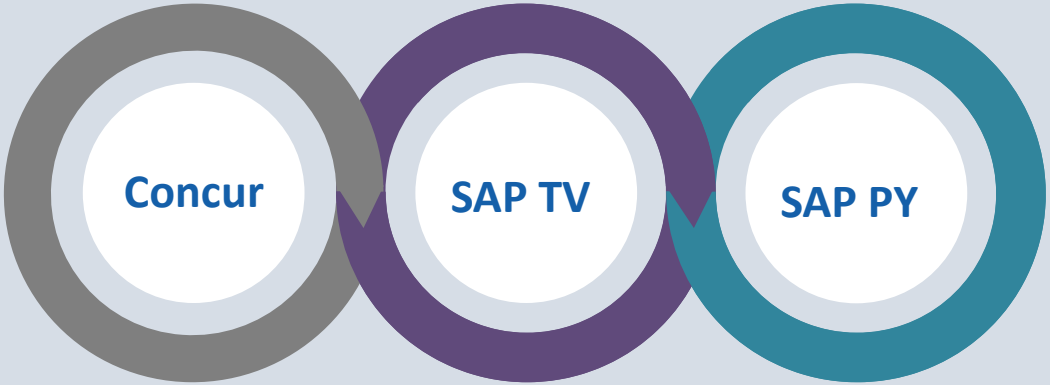
General Availability

- Q3/2016
- Some added features, but still same 4 integration points

Further Roadmap

- Enhancements based on customer feedback
- SuccessFactors HR Master integration
- Financial integration with S4Hana and SAP Business by Design
- SAP Payroll integration

Integration with SAP FI & Payroll: iProTrip



- Import Concur SAE into SAP FI-TV Database
- Then use SAP standard to use any of these options:
  - Post into FI
  - Pay using Travelmanagement DME
  - Integrate with SAP Payroll for payment, taxation and statutory reporting
- Bespoke organisation mapping: high flexibility in customer include
- Add-on to change cost assignments between import and postings

iProTrip: example

Simulation Run

iProTRIP - Concur Integration Tool

Extract ID	Pernr	Start Date	Report ID	Report Name	Reiseart	Batch Date	Transaction Date	Expense Type	Description	exists	posted	payroll	DTA	meal	LArt	Σ	Betrag	Währg	BuKr	GsBe
EXTRACT|20...	18000002	01.11.2015	085DDC20...	2015-11		20.11.2015	02.11.2015	Daily Allowance						☐			12,00	EUR		
				2015-11		20.11.2015		Taxi						☐	MJ63		8,00	EUR		
				2015-11		20.11.2015								☐	MJ63		10,50	EUR		
				2015-11		20.11.2015		Train						☐			30,10	EUR		
				2015-11		20.11.2015								☐			29,10	EUR		

Correction in Concur or directly in SAP

Ready to post

iProTRIP - Concur Integration Tool

Extract ID	Pernr	Start Date	Report ID	Report Name	Reiseart	Batch Date	Transaction Date	Expense Type	Description	exists	posted	payroll	DTA	meal	LArt	Σ	Betrag	Währg	BuKr	GsBe
EXTRACT|...	12000002	08.10.2015	FBEF4DA...	Test_TS_06.11.15	TS	06.11.2015	09.10.2015	Daily Allowance (gross)		✔				☑	MJ62		24,00	EUR		
				Test_TS_06.11.15	TS	06.11.2015		Provided Meals		✔				☑	MJ62		4,80-	EUR		
				Test_TS_06.11.15	TS	06.11.2015	10.10.2015	Accommodation	Hotel	✔				☐	MJ61		80,00	EUR		
				Test_TS_06.11.15	TS	06.11.2015		Daily Allowance (gross)		✔				☑	MJ62		12,00	EUR		
				Test_TS_06.11.15	TS	06.11.2015		Provided Meals		✔				☑	MJ62		4,80-	EUR		
			FBEF4...													▪	**118,40**	**EUR**		
		08.10.2...														▪▪	**118,40**	**EUR**		
		19.10.2015	F106DD5...	Test_VT_05.11.15	VT TS	06.11.2015	06.10.2015	Daily Allowance (gross)		✔				☑	MJ62		12,00	EUR		
				Test_VT_05.11.15	VT TS	06.11.2015		Provided Meals		✔				☑	MJ62		4,80-	EUR		
				Test_VT_05.11.15	VT TS	06.11.2015	07.10.2015	Accommodation	Hotel	✔				☐	MJ61		50,00	EUR		
				Test_VT_05.11.15	VT TS	06.11.2015		Daily Allowance (gross)		✔				☐	MJ62		12,00	EUR		
			F106D...													▪	**69,20**	**EUR**		
		19.10.2...														▪▪	**69,20**	**EUR**		
		30.10.2015	A8173AB...	Test_RKE_05.11.15_...	RKE	06.11.2015	30.10.2015	Transportation Expenses	Bahn	✔				☐	MJ63		50,00	EUR		

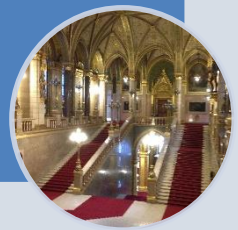
Other Options

- File based upload via job and sftp is relatively easy
- For HR data as well as cost centres etc
- Note: Concur not flexible at all regarding upload format

•Master data

- Export SAE (Standard Accounting Export) file
- Custom upload program
- One option: payroll only and posting from there, if once a month is enough
- For payroll, data could be loaded into infotype 2010 as simplest option, but that is quite messy

Posting and Payroll



Questions?

Twitter: @svenringling

iProTrip: https://www.iprocon.com/products/concur-sap-integration-tool/?lang=en