

End-to-end Business Process Integration at the Speed of Business: A Customer's Perspective

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Agenda

About Hypercision

Our Business and the Need to Integrate

Our Integration Story

Deciding the Best Option

Lessons learned

Wrap up

About hyperCision

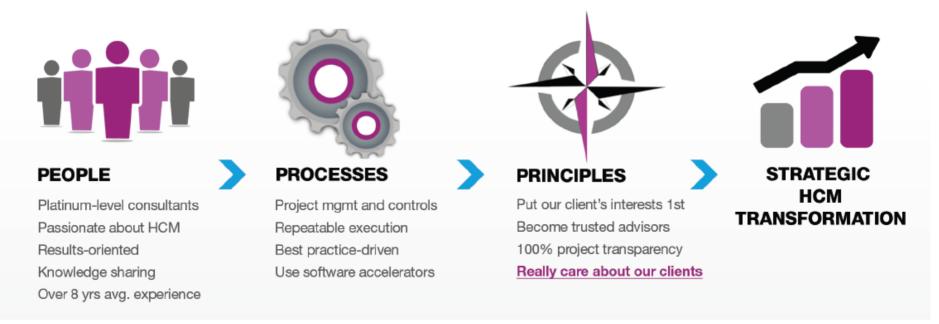
An Implementation Partner and a Customer

Our Services



hyperCision Approach in Overview

Our approach is simple: we hire great people in the industry and give them the foundation, tools, and guidance to allow them to deliver strategic HCM transformation for our clients.



Our Business

And the Need to Integrate

Business Drivers for Integration – Our Team

- Supporting our hC People
 - Small business with approximately 30 Consultants in addition to Developers, Administrative Staff, Sales and Leadership team members
 - Ongoing External Relationships with Service Providers
 - Specialty Needs Service Providers
 - Very fast paced ever changing environment
 - Heavy reliance on the skills, knowledge and certifications held by our employees
 - Our employee are our business

Business Drivers for Integration – The Business

- Growing the Business
 - It's our business to know integration we need to make the solutions work for our customers
 - Customer needs will sometimes drive the opportunity to test/experiment internally first
 - Develop products and solutions to enhance the customer experience
 - Supporting our internal long term plan for expanded module use

Our Need to Integrate

hyperCision's business is to work with customers on their implementation, enhancements and adoption of SAP and SuccessFactors. Integration is critical......



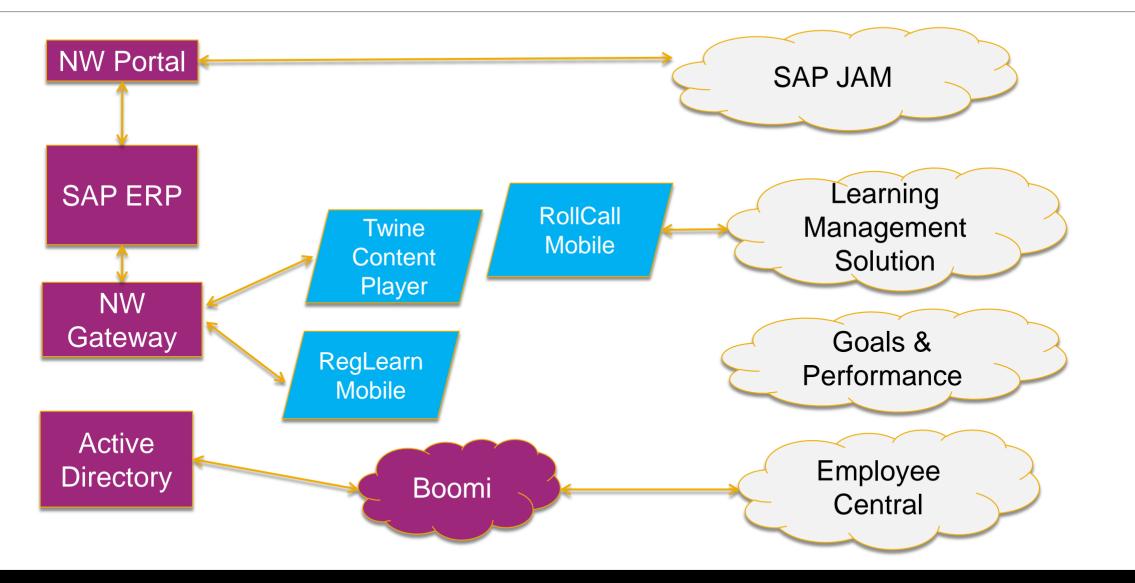
- SAP PartnerEdge Partners
- SuccessFactors Consulting Partners
- LSO Product & Release Testing Partners
- Solution Management & Development Partners
- ASUG Influence Council Participants

As customers we use the tools to support and drive our own business through the use of Platform, Goal/Performance Management and LMS. We are just beginning a migration from on Premise SAP HCM to Employee Central.

Our Integration Story

Not a Scary Fairy Tale

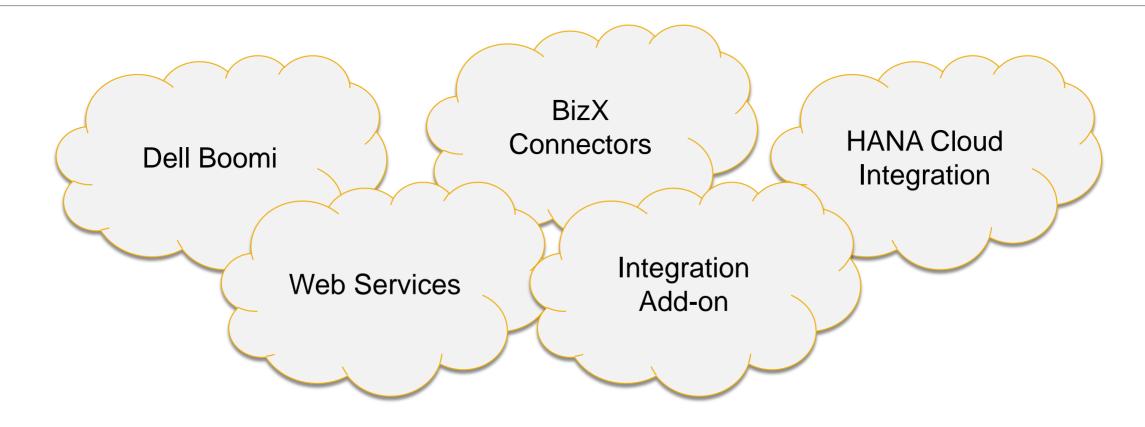
Internal Integration Efforts



Customer Integration Work

- Employee Central
 - Integration with 3rd Party Cloud Providers
 - BenefitFocus
 - Workforce Software
 - ADP
 - SAP Cloud Payroll (ECP)
 - On Premise SAP Payroll
- Recruiting Integration
- Active Directory Integration and SSO
- Connectors for LMS and Validated LMS

Integration Options



Boomi

Dell Boomi

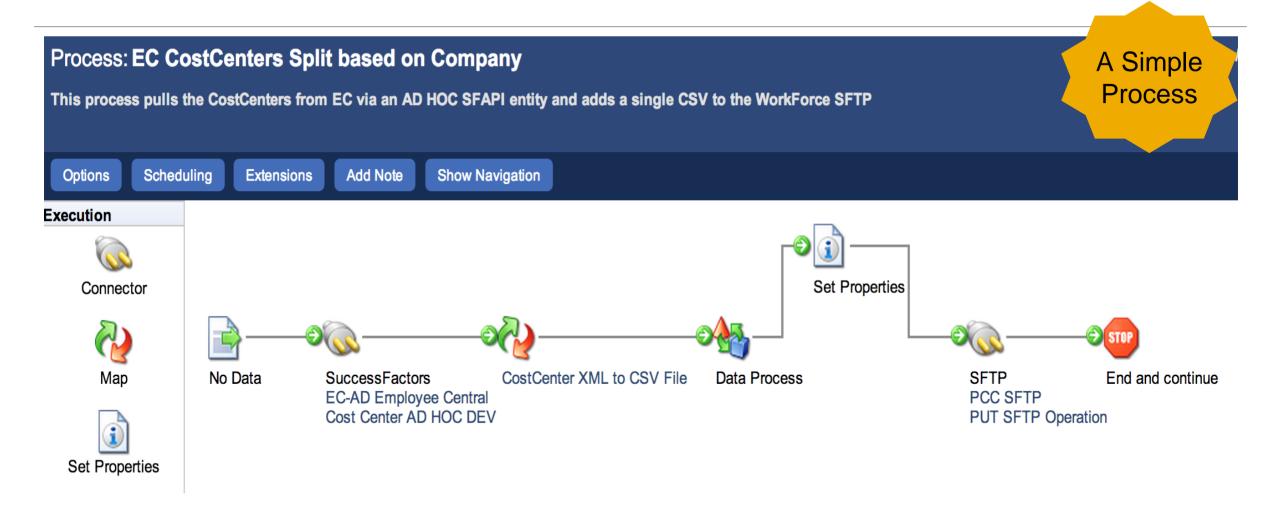
Dell Boomi is the most common Cloud Integration Platform for Employee Central customers

Boomi licenses are included for Employee Central customers

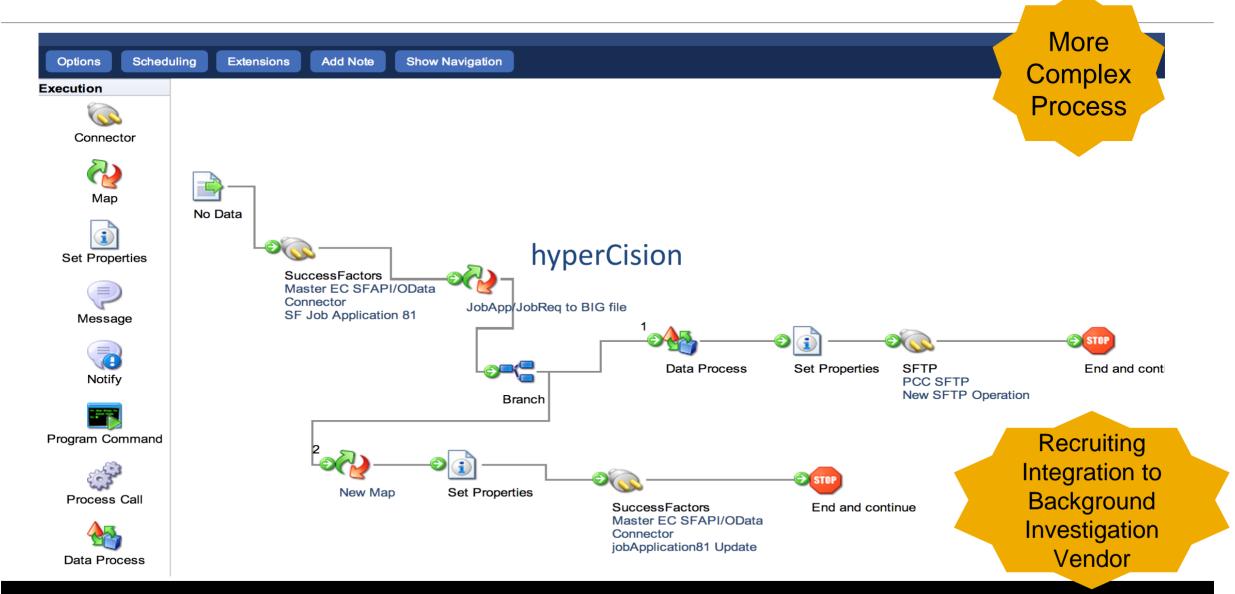
Boomi is a multi-tenant platform

A well thought out User Interface for designing and managing system integration processes

Boomi Processes



Boomi Processes



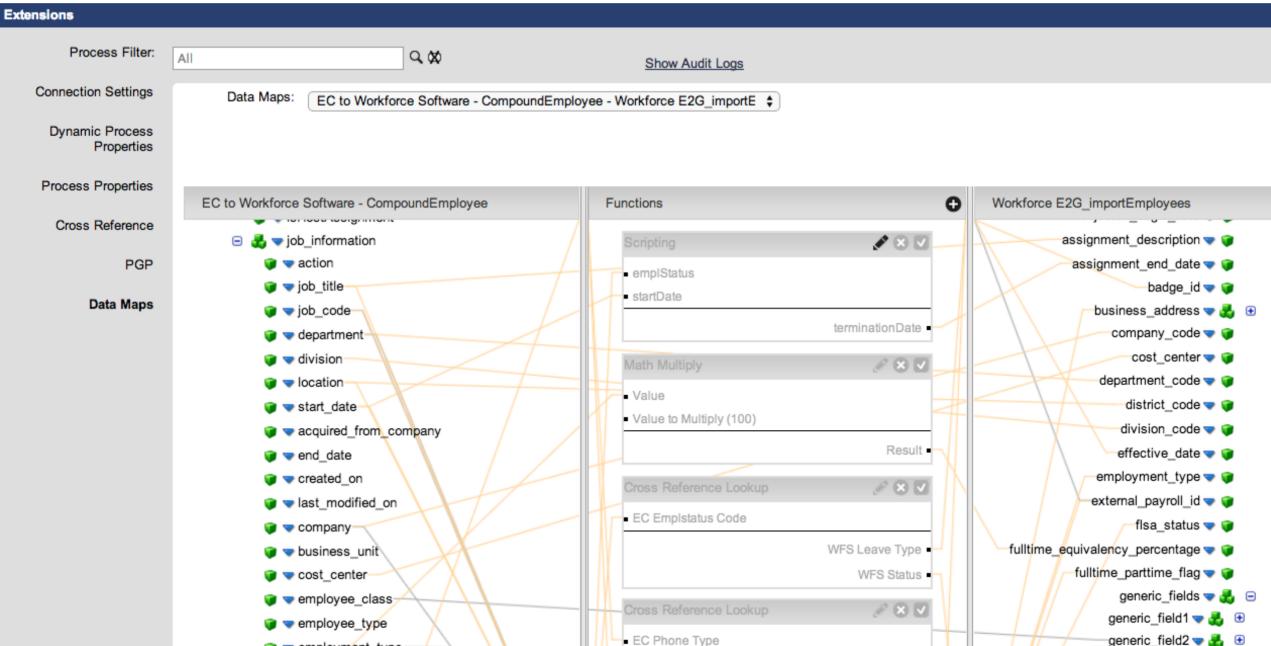
Integration Handbooks



Boomi Process Library

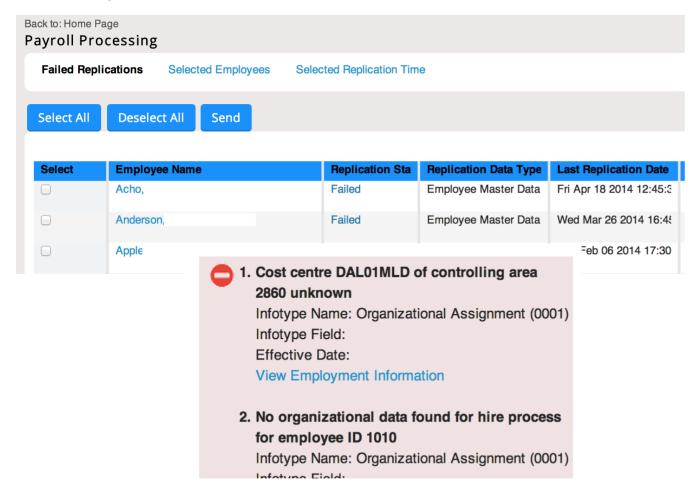
Browse Process Library Compared to the processes of the	
iFlow: BenefitFocus payMax to EC Payroll - Benefits Inbound file from BenefitFocus to EC Payroll which captures the employee payroll data as calculated by Benefitfocus to be updated in EC Payroll System.	View
iFlow: EC Payroll/ERP to EC - Employee Confirmation 1308	View
iFlow: EC to Aon Hewitt - Employee <need description="" from="" management="" product=""></need>	View
iFlow: EC to BenefitFocus - Employee The Successfactors EC BenefitFocus iFlow integrates Employee Central with the BenefitFocus Online Benefits Enrollment Portal. Employee data, including new	View
iFlow: EC to EC Payroll/ERP - Employee 1308 fte to EmploymentPercent calculated correctly	View

Data Mapping in Boomi



Employee Central / ECP Integration

EC Payroll Issue Monitor:

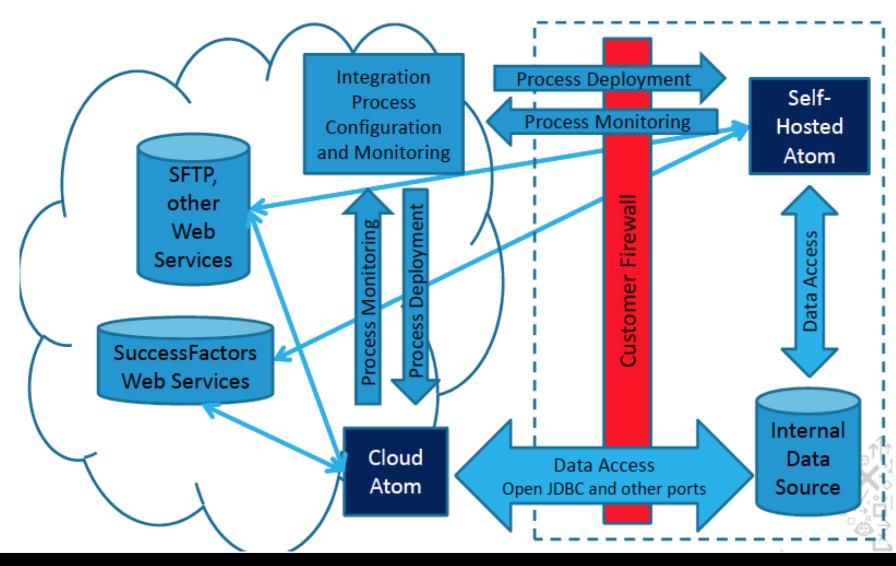


Helpful ECP Transactions:

SRTUTIL – Message Monitor to see all of The data coming through

SLGI – Error Logs

Integrating EC with On-Premise



Web Services

Advanced EC SFAPI & Odata Provisioning Items

Managing Job Scheduler

Manage Scheduled Jobs

Monitor Jobs

Managing PGP Keys

Send to Server Report Transfer Settings

API Debug Logs

PartnerService Debug Log SFWebService Debug Log SFAPI Debug Log OData API Debug Log

API Settings & Tools

SFAPI Audit Log Setting
SFAPI Throttling Setting
SFAPI Async Throttling Setting
SFAPI Metering and Throttling Details
SFAPI Feature Settings
OData API Audit Log Setting

	Web Service	s
	✓	Partner Web Service
	\checkmark	SF Web Service
	\checkmark	DocSearch Web Service
		User Web Service
		SOAP RPC Servlet
	\checkmark	SFAPI
	⋖	SFAPI Ad hoc Feature
		Inform Ad hoc Web Service [Not Ready for Sales/Production]
_	⋖	Employee Central SOAP API
	⋖	OData API
	✓	Employee Central OData API [Not Ready for Sales/Production]

TIP: The default was raised from 5 after the services stopped working

SFAPI	Async	throttling
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Maximum Waiting and Running Job Amount:

12	
	Save

Employee Central Company Settings

Admin Tools > Company Settings

SFAPI Data Dictionary

Manage OAuth2 Client Applications

Manage Route maps

Manage Support Access

Manage v12 Home Page

Matrix Grid Rating Scales

Modify Form Route Map

OData API Audit Log

SFAPI Audit log

SFAPI Data Dictionary

SFAPI Metering Details

Text Replacement

Theme Manager

Upload Company Logo

- **MatrixManager**
- **1 Onboarding**
- **⊞ PerAddress**
- **⊞ PerDirectDeposit**
- □ PerEmail

 $supported Operations: {\tt QUERY_MORE}, {\tt QUERY}, {\tt UPDATE}, {\tt UPSERT}, {\tt DELETE}, {\tt INSERT}$

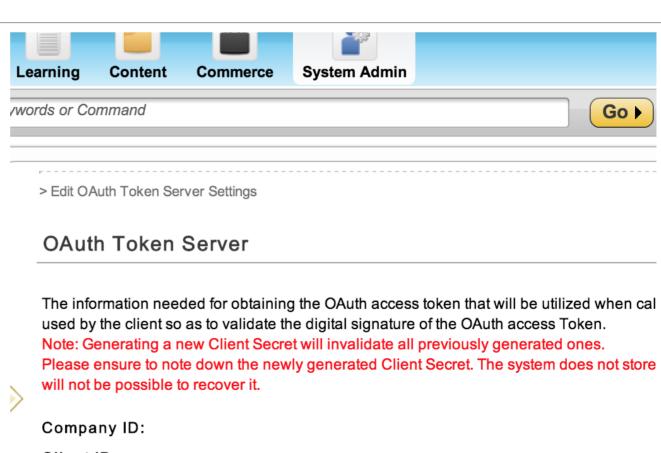
surrogateKeyPrefix: PEMentityName: PerEmail

Fields:

Name	Data Type	Label	Max Length	Picklist ID	Required	Insertable	Upsertable
created_on	datetime	N/A	19	N/A	false	false	false
created_by	string	N/A	100	N/A	false	false	false
last_modified_by	string	N/A	100	N/A	false	false	false
last_modified_on	datetime	N/A	19	N/A	false	false	false
id	string	ld	42	N/A	false	false	false
person_id_external	string	Employee ID	32	N/A	true	true	true
!! L	_ 4!	F	00			1	1

LMS REST Web Services

- Passes JSON Objects
- Oauth Framework (tokens)
 - System Admin > Configuration >
 - Oauth Token Server



Client ID:

Client Secret Hash Value: \$5\$449d74c5b041ad61\$2b9a149fa99

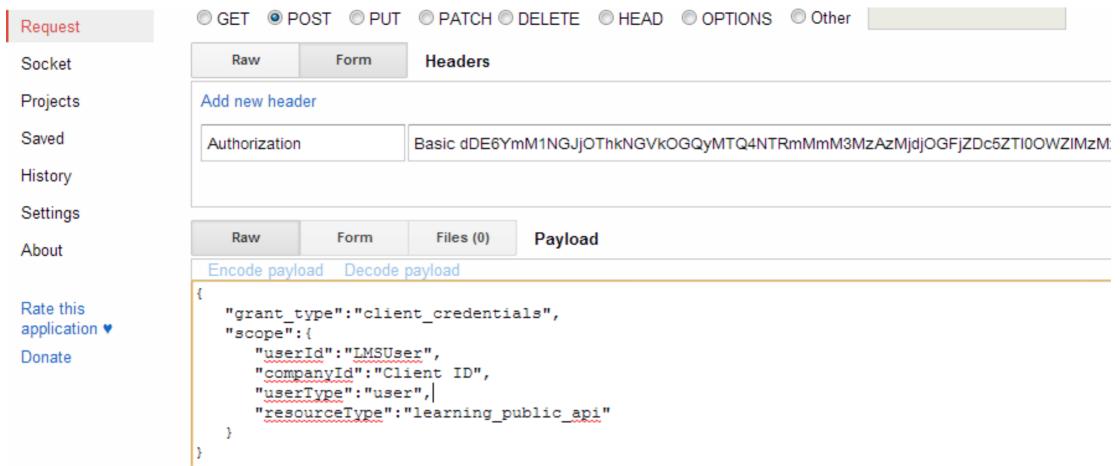
Public Key: MIICLTCCAZagAw

5uYTEMMAoGA1UEChMDUFNMMQ

1kiG9w0BAQUFAD

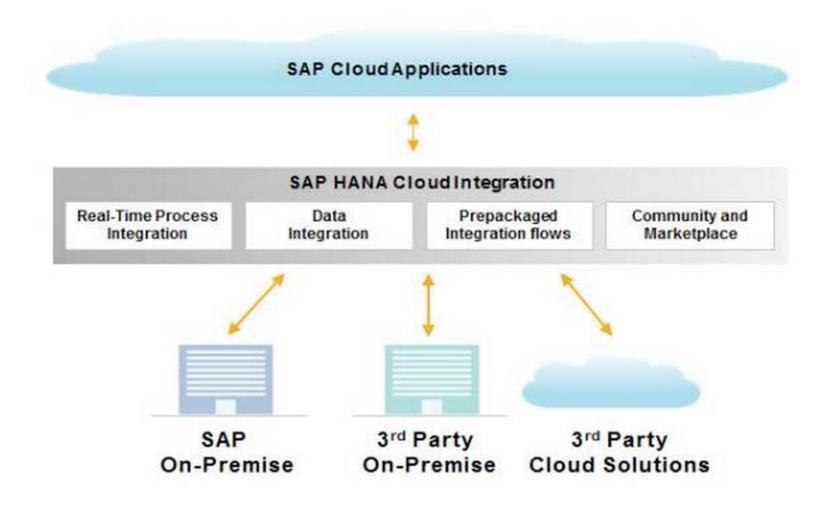
TEST REST Web Services

Multiple Free Browser Plugins allow for Web Service Testing: Chrome Advanced REST Client, Firefox RESTClient



Hana Cloud Integration

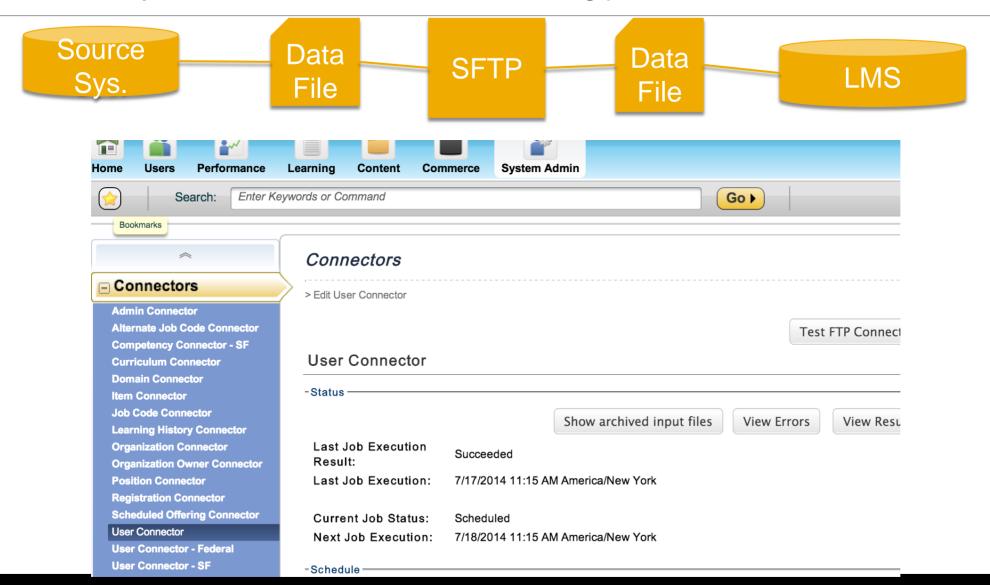
HANA Cloud Integration



Connectors and Add-ons

LMS Connectors

Automatically installed with the base SF Learning product



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Integration Add-On 3.0

Integration Add-On 3.0 for SAP ERP HCM and SuccessFactors BizX

Enable the integration of Employee, Compensation, Recruiting, Evaluation, Qualification and Organization Data between HCM and SuccessFactors BizX

http://help.sap.com/erp_sfi_addon30?current=erp_sfi_addon20

Single Sign On

Single Sign On

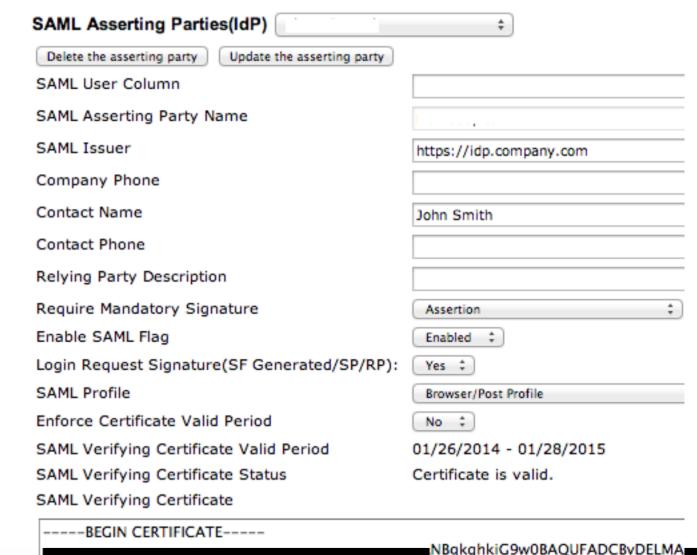
- Employee Central as the Service Provider
 - SSO from Active Directory (ADFS)

- Employee Central as the Identify Provider
 - SSO from Employee Central to 3rd Party Cloud Providers

All approaches use SAML2!

SAML Asserting Parties (Idp)

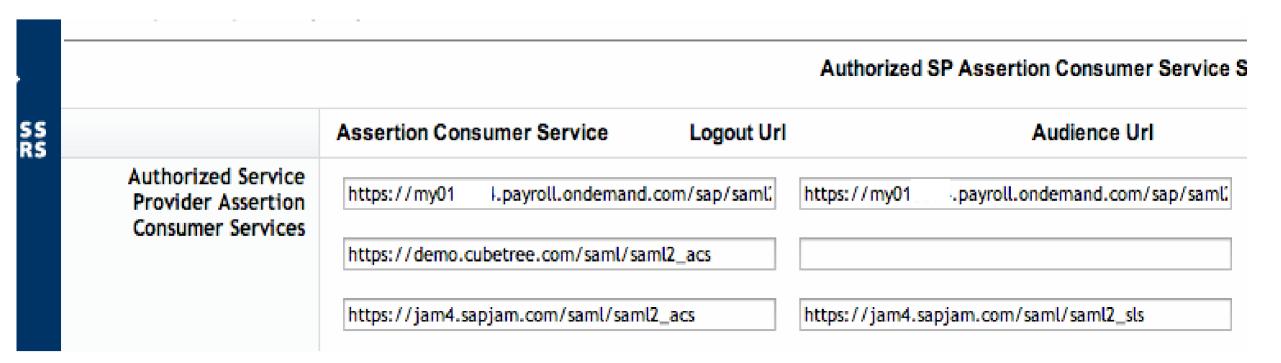
In Provisioning



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Assertion Consumer Service



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Deciding the Best Option

Clearly lots of options available

Making the Decision

- Go with Standard Recommended whenever possible
- Ownership
 - Boomi license resident with Employee Central
 - If SAP On Premise what tools are in place
- Internal knowledge to support the integration going forward
- External support available as primary or supplemental support
- Alignment with future systems roadmap

Lessons Learned

Pain can be the true learning experience

The Challenge of Landscape

Employee Central and most Modules

Test and Production Instances

Employee Central with Employee Central Payroll

Development, Test and Production Instances plus Boomi Account with 3 Boomi Environments

Validated LMS

Development, Test and Production Instances

3rd Party Cloud Solution Providers

1, 2 or 3 instances with various maintenance cycles to manage

Lessons Learned

- Not all 3rd Party Vendors will provided equal number of separate environments to your SuccessFactors Landscape
- Web Services are moving to REST/Odata, but they're not all there yet
- iFlows can only be modified through extensions to remain supported
- Boomi Shared System, weekend go-live dates around boomi down time

Wrap Up

Almost done now!

In Closing

- Our business gives us the ability to use and see various integration options
- The options continue to grow with more aids to support integration needs
- The work continues!

Thank you

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