

Executing a Hybrid StrategyIntegrating On-Prem with Cloud Applications



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Agenda

Introduction

Review the need to integrate on-premises EBS with Cloud applications

Review how Mutual Materials transitioned to Cloud with a hybrid approach

Discuss results for end-users and future plans for DataVaya

Mutual Materials

20+ Year Customer

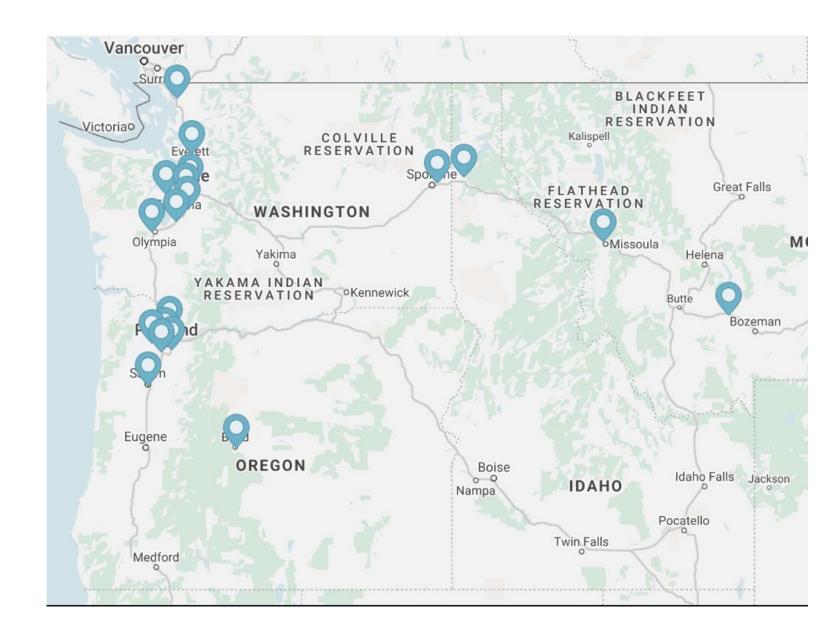
Started with Fax and Email of Purchase Orders from MANMAN on MPE

- The leading manufacturer and distributor of masonry and hardscape products in the Pacific Northwest
- Headquarters are located in Bellevue, Washington with operating facilities in Oregon, Washington, Montana, Idaho and British Colombia.
- Product lines are specialized in brick, pavers, retaining wall products, cultured stone, slabs, concrete masonry units, and more



Mutual Materials

Branch Locations



Mutual Materials & Oracle



EBS Version	12.2.5	On-premise
Database Version	12.1.0.2	On-premise
EBS Modules	Inventory, Purchasing, Financials, Quoting, Order processing, EDI, BOM, Manufacturing, Costing, Projects	
OTM Version	6.4.2	Cloud
CRM	Oracle Sales Cloud	Cloud
Marketing	Oracle Marketing Cloud Eloqua	In-process



Mutual Materials & STR Software

- A 20+ Year Partnership -

1998 (Q4)
Fax/Email of POs from MANMAN on MPE

2009 (Q3) AventX Oracle Connector with FAXCOM Anywhere **2011** (Q2) Live with DataVaya for Automated

Transfer from Point-of-Sale System

2019

2001 (Q1) Fax/Email of POs for EBS on UNIX **2010** (Q2) COLLABORATE— Joint Presentation introducing **DataVaya** **2017** (Q2) Adopted DataVaya to load inbound EDI data from Remote Stores



Sales at Mutual Materials

Two Key Data Points

- 1. Customer Summary
- 2. Product Summary



Sales at Mutual Materials

How was data accessed?

- 1. Separate CRM system
- 2. Prepared reports beforehand



Sales at Mutual Materials

Why the process was flawed

- 1. Time consuming
- 2. No mobile capability
- 3. Difficult access to data
- 4. No connection back to EBS



Operating in the Cloud Claiming the Iron Throne of CRMs

Enter Oracle Sales Cloud

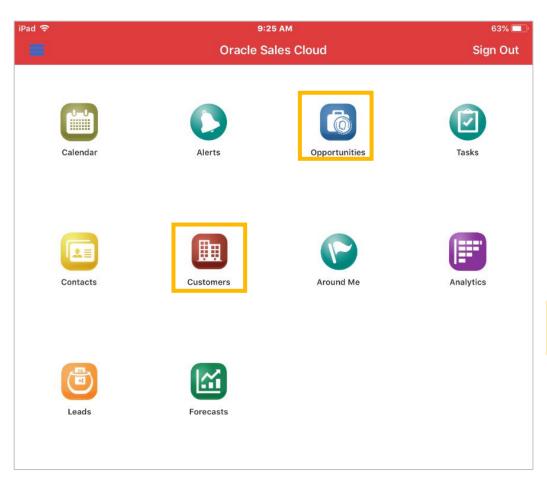
Out with the old. In with the new.

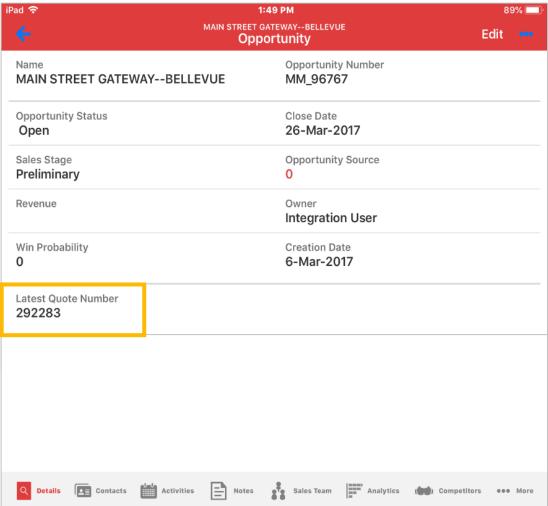




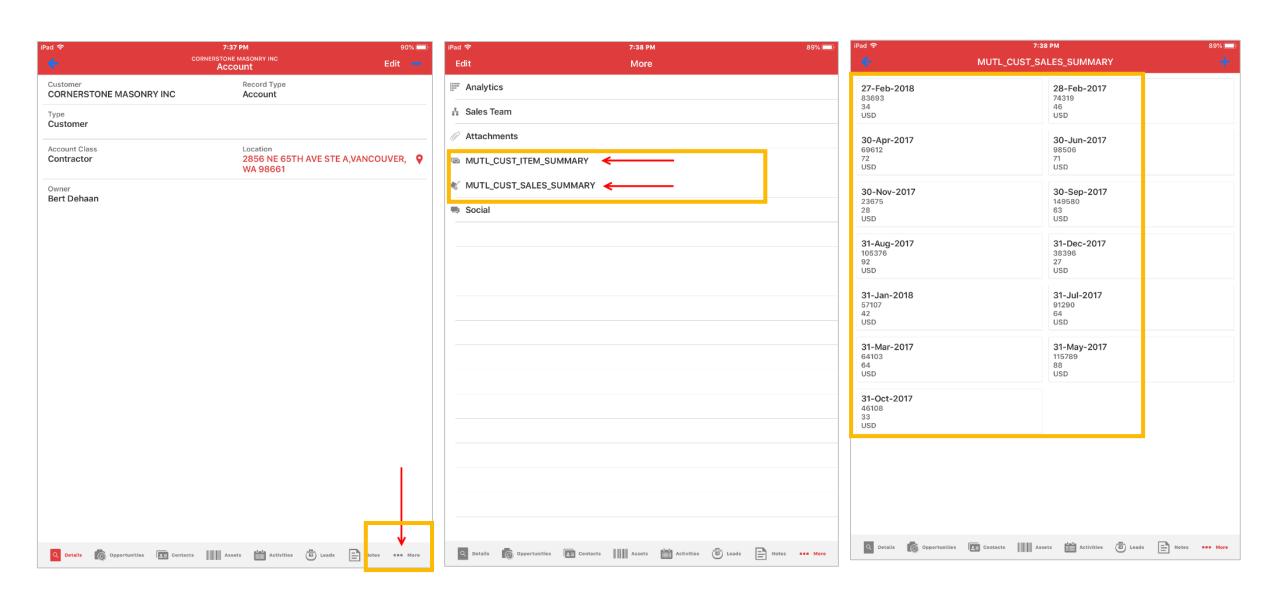
- Modern system and simple interface
- ✓ Integration with Oracle EBS Instance

Oracle Sales Cloud Mobile





Oracle Sales Cloud End Result





Challenge: Data EXPORT

Data from concurrent programs needed to be created and modified to properly export data.



Challenge: Data IMPORT



So about "Customizing" Oracle Cloud...

Page Composer

Application Composer

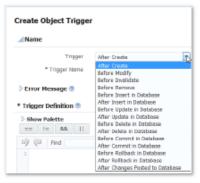
Groovy Scripting

Oracle JavaScript Extension Toolkit (JET)

Oracle Application Developer Framework (ADF)

Oracle Sales Cloud - Developing with Application Composer

When Triggers Are Fired







Challenge: Data IMPORT

Custom tables and relationships to those tables needed to be created in Oracle Sales Cloud.

Navigator **Customer Data Management** Sales My Enterprise Tools Customers Offerings Appearance Duplicate Identification New Features Structure Contacts Copportunities Enterprise Set Preferences Duplicate Resolution E Leads Hierarchies Subscriptions Announcements Activities Alerts Composer Address Cleansing Setup and Maintenance Analytics m Groups User Interface Text Territories Organizations Business Objects Deep Links Persons Help Desk Mac Application Composer HR Queues Academics Page Integration Activities Curriculum Projects Custom Objects Ricing Administration My Team Innovation Management Configu... Talent Review Supply Chain Collaboration Migration Manage Users Supply Chain Planning Developer Connect Resource Directory Plan Inputs B Spaces Order Promising Social ห้อุ๋ Contact Search Reports and Analytics ■ Intrastat Reporting Collaboration Messaging Scheduled Processes My Dashboard Security Console Cloud Customer Connect ↑ File Import and Export

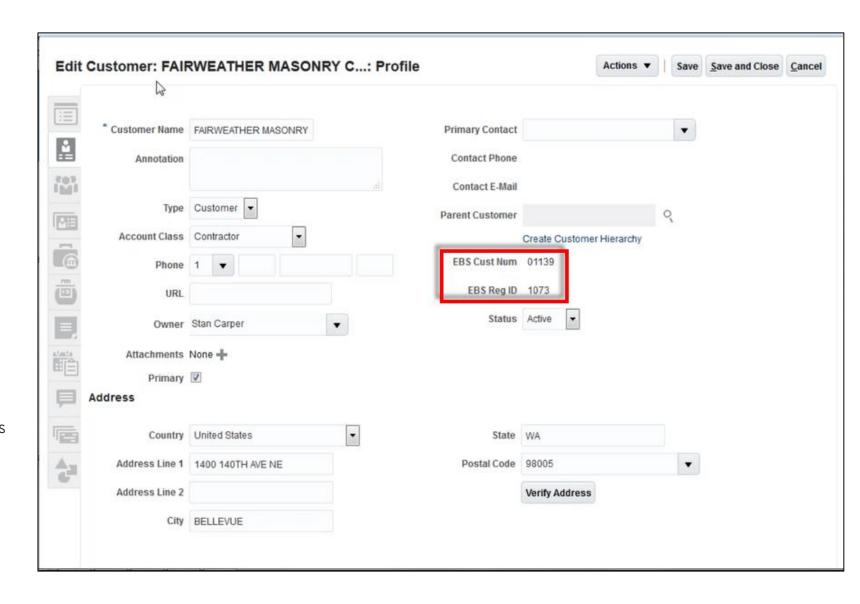
Mark Audit Reports

Transaction Console

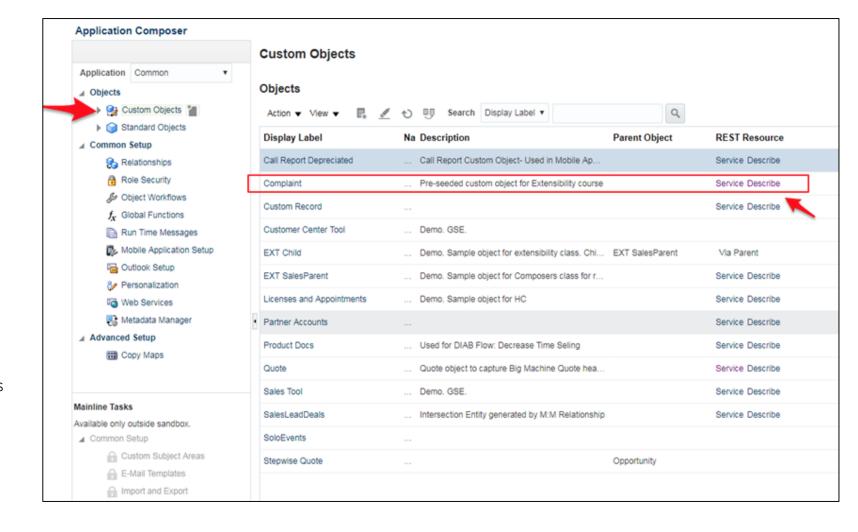
SmartText

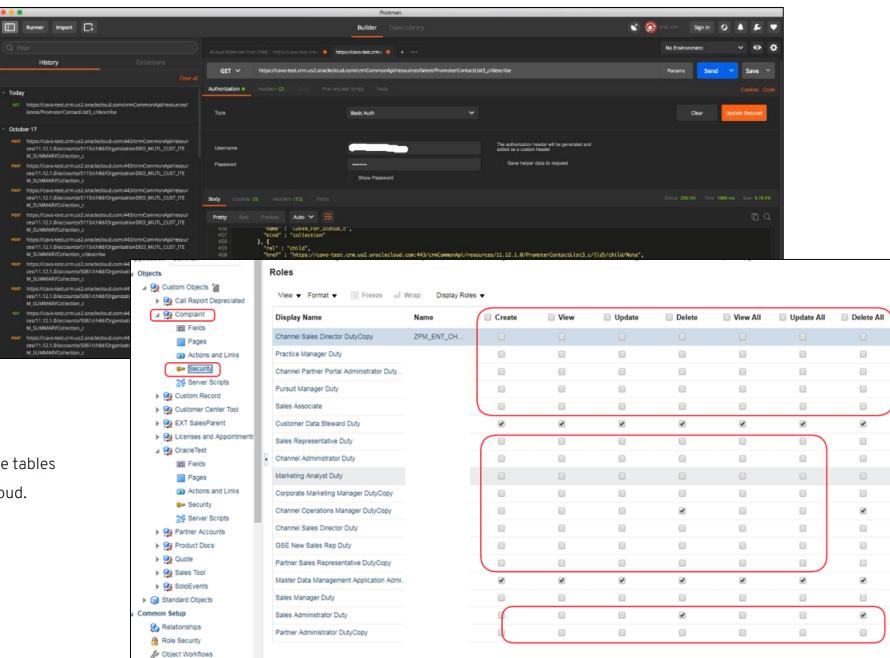
Download Desktop Integration ...

Challenge: Data IMPORT



Challenge: Data IMPORT





Challenge: Data IMPORT

Challenge: Error Handling

- 1. Loss of data and import validation
- 2. Import errors, error handling, and no automatic retrying
- 3. No error notifications
- 4. False positive error messages due to job scheduling limitations





DataVaya

First Use Case

DataVaya



EDI







What Else?

DataVaya



Why DataVaya?

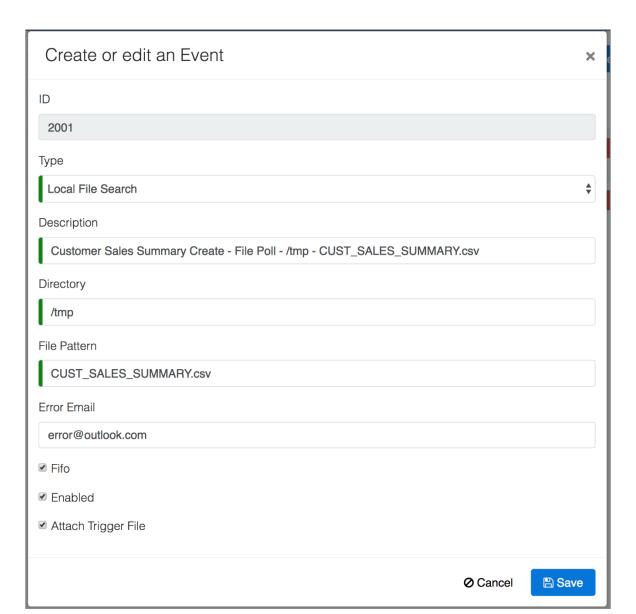
Complete Data Transfer Solution

- Supports Oracle's recommended Hybrid approach
- 2. Requires no development to support or maintain
- 3. Provides error handling



Inside DataVaya What do we say to the God of Death? Not today!

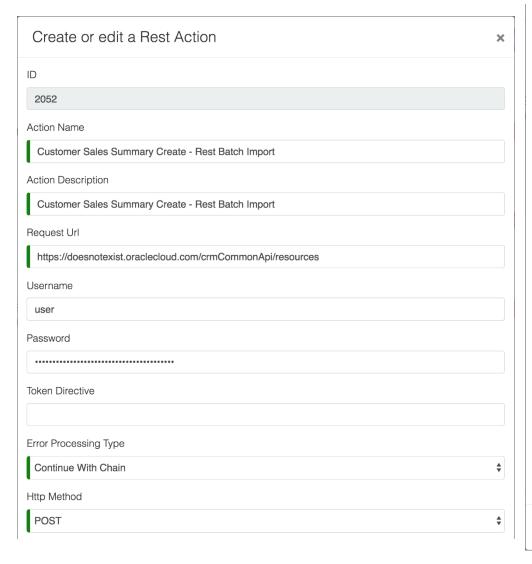
Event Creation



File Configuration

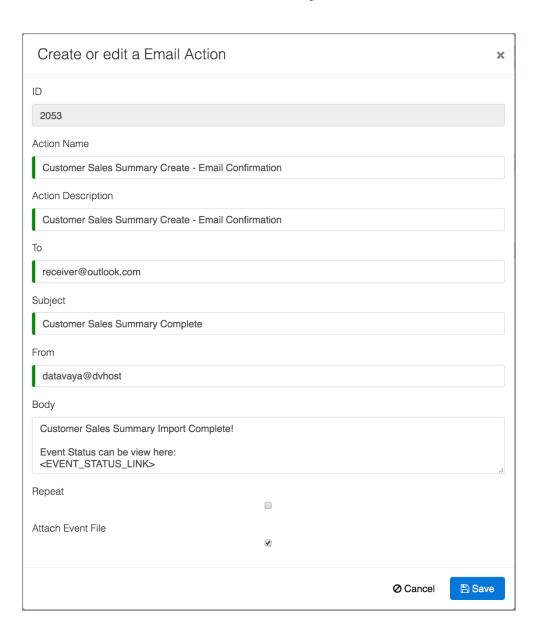
Create or edit a CSV Configuration		×	
ID			
2051			
Action Name			
Customer Sales Summary Create - Map CSV			
Action Description			
Customer Sales Summary Create - Map CSV			
Delimiter			
,			
Skip Header Rows			
1			
Record Separator			
\n			
Column	Name		
4	EBS_ACCT_NO	_	
5	PartyNumber		
6	SSUM_ID]	
8	MONTH_TRANS		
9	MONTH_SALES		
10	MONTH_DATE	-	
11	CURRENCY	+	
	⊘ Cancel	🖺 Save	

Rest Action

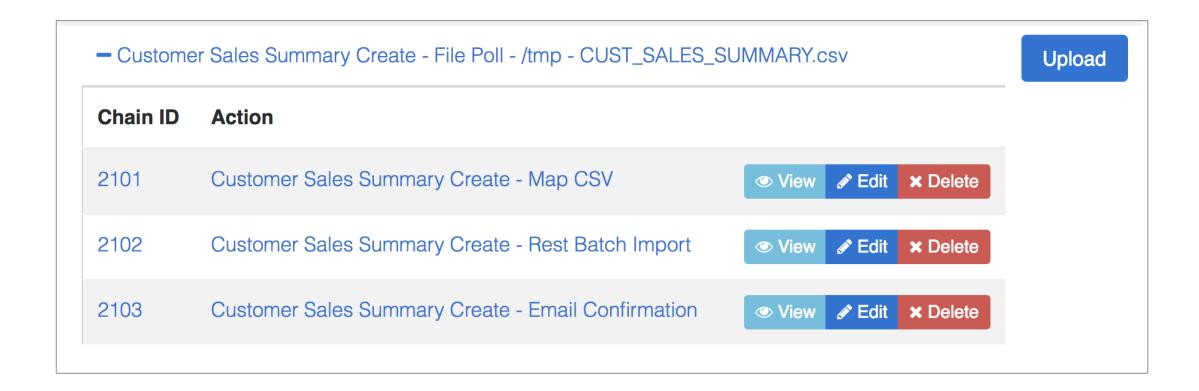


Http Header	
Key	Value
content-type	application/vnd.oracle.adf.batch+json
Repeat Body	
Header	
{ "parts":[li di
Body	
{ "id": " <ssum_id>", "path": "/latest/accounts/<partynumber>/c "operation": "post", "payload": { "EBS_ACCT_NO": <ebs_acct_ "recordname":<ssum_id="">, "MONTH_TRANS_c":<month_1 "month_date_c":<month_date_c":<currency="" "month_sales_c":<month_s=""> } } Footer</month_1></ebs_acct_></partynumber></ssum_id>	TRANS>,

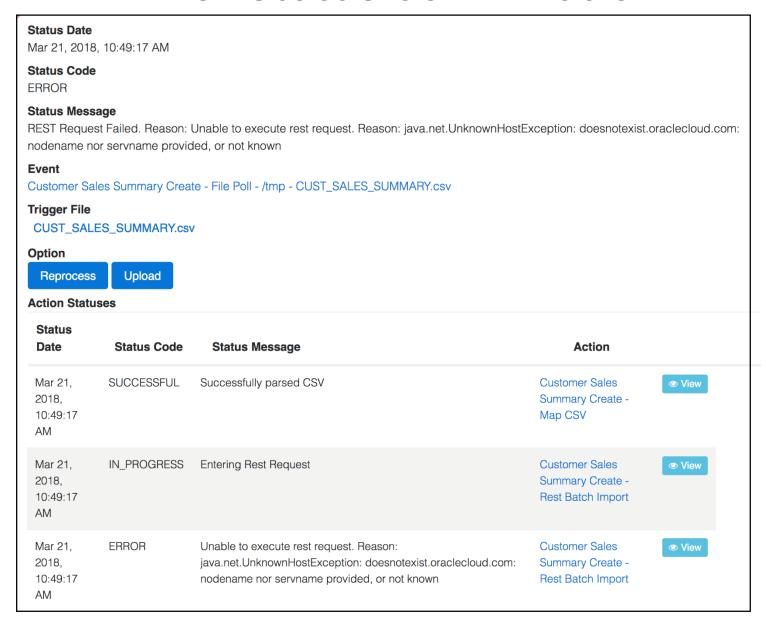
Email Configuration



Action Chain



Error Status Confirmation



Error Email Notification



Dear Admin,

There was an error for an event with id: 2151

Status Date: 3/21/18 10:42 AM

Status Code: ERROR

Status Message: REST Request Failed. Reason: Unable to execute rest request. Reason: java.net.UnknownHostException: doesnotexist.oraclecloud.com: nodename nor servname

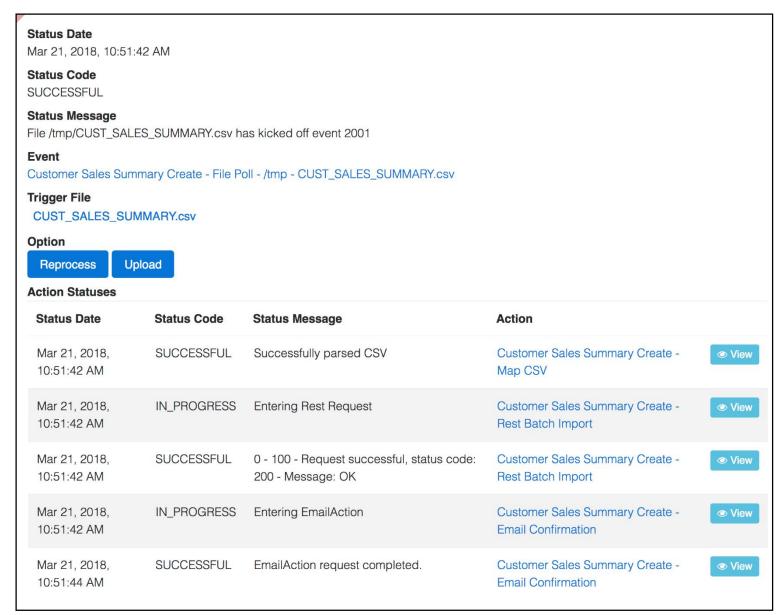
provided, or not known

https://datavayahost:9091/#/event-status/2151

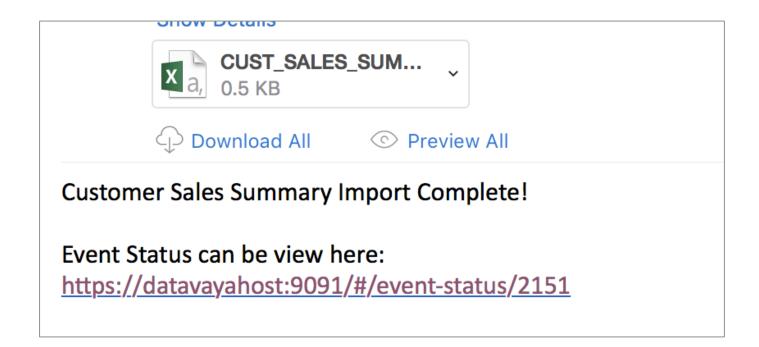
Regards,

DataVaya Team. Support phone: 804.897.1600 x3 Support email: support@strsoftware.com

Success Status Confirmation



Success Email Notification





DataVaya

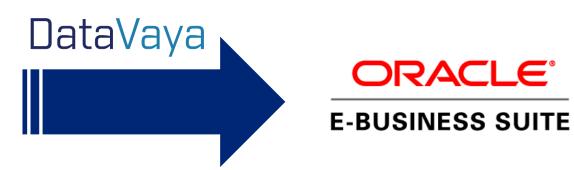
Automates data collection and file transfers between On-Premise and Cloud applications

Used in Asset Maintenance to automatically gather and update meter readings and collection plans in Oracle eAM

Used in Oracle Process Manufacturing to gather data from PLC/SCADA systems and transfer it automatically to OPM

What's Next for DataVaya





What We learned

Pursue Business Stansfinall Continuity





Richmond, Virginia

since

1986



Data Transfer
Mobile
Email
Print
Fax
for ERPs



OAUG Quest

Oracle



1,500+ Licenses

22 Countries



1,344

donuts per year
(approximately)

Q&A

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