INTEGRATING AND EXTENDING WITH THE CLOUD

Mark Ollerenshaw

AGENDA
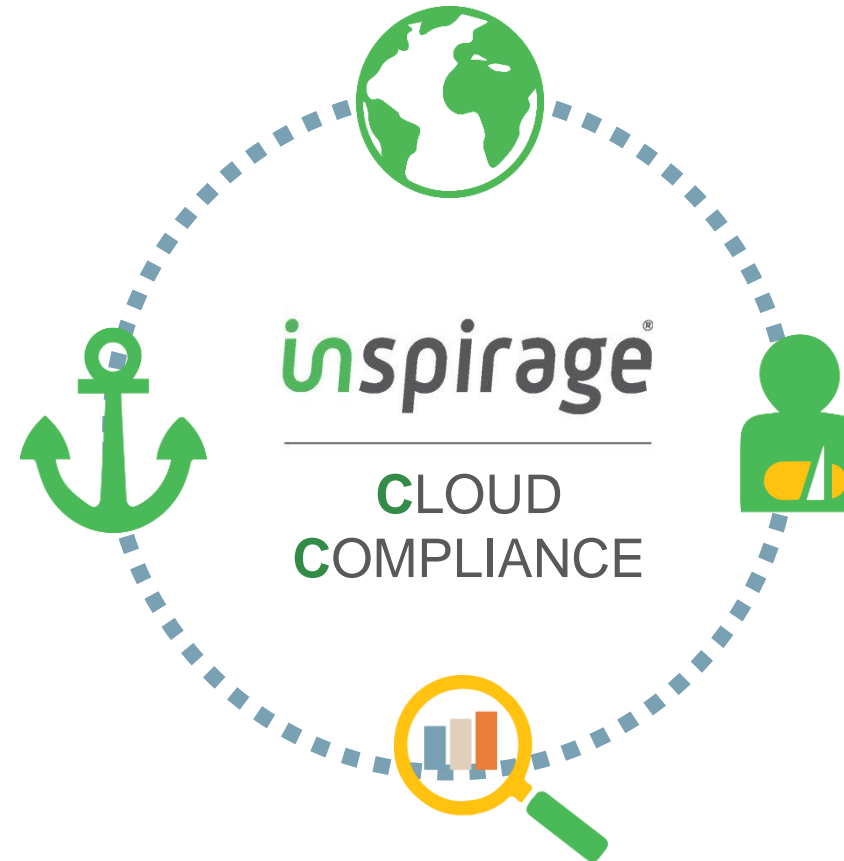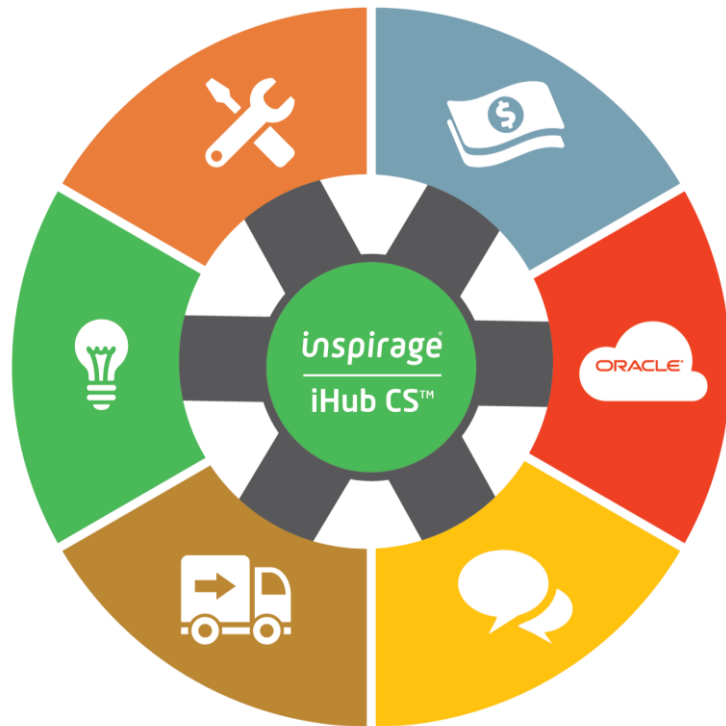
Key Takeaways

#1 Cost is the #1 Driver to cloud computing, but Availability & Scalability are close behind
  – "We need to identify both cloud and on premise solutions, and look at what is most cost effective."
  – "It was an easy decision for us to get on the cloud, because we didn't have a data center and we didn't want to build one."

#2 Security & Integration are the top challenges for cloud computing.
  – "Security challenges are our #1 stumbling block right now."
  – "Security is very important, but it hasn't been difficult to implement at the level that we need."

#3 Integration is the biggest obstacles to supply chain goals
  – "Integration is becoming more and more important, as you are splitting between premise and in the cloud."
  – "We don't want to pay for custom integration."

#4 Cloud computing use is expected to rise, but on premise applications are not going away. It will be a hybrid environment for a while.
  – "95% of our internal operations are on premise, but we're seeing what we should do in the cloud."

MARKET RESEARCH STUDY

Inspirage
THE
FUTURE
OF SUPPLY CHAIN
IN THE
CLOUD
2016

PUBLISHED BY INSPIRAGE
BUSINESS CONSULTING SERVICES

inspirage

Now in its fourth generation, iHub Cloud Service (CS) is an application integration platform comprised of pre-built integrations, allowing rapid application integration deployments.

Cloud

On-premises

iHub (SCM)

iHub (Logistics)

iHub (PLM)

2011

2014

2015

inspirage
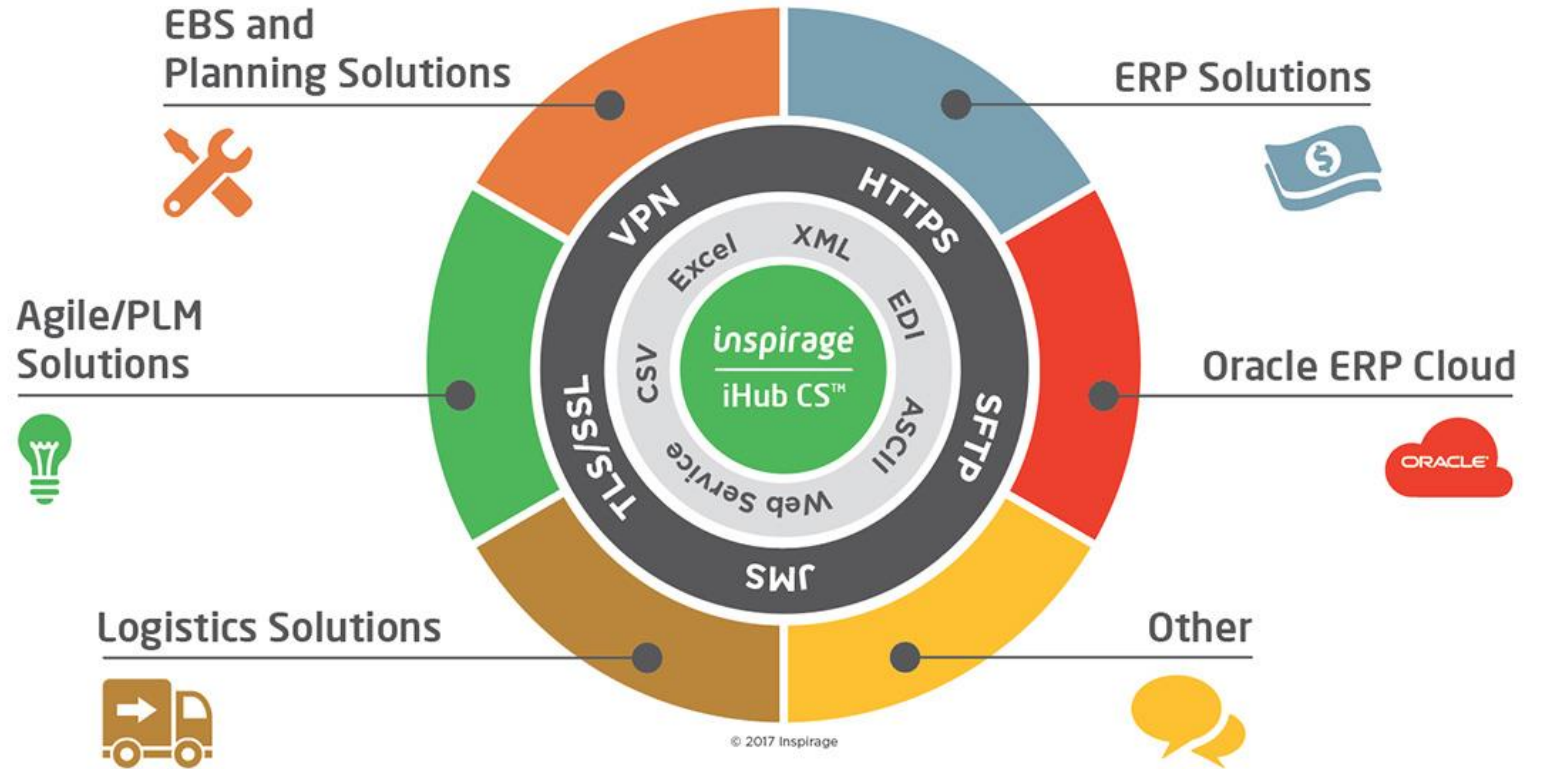
KEY FEATURES

Intuitive Dashboard

Data Mapping Tool

Pre-integration placeholders

IaaS-level security

Unified Cloud platform to support all of your Cloud and on-premises application integrations.


inspirage | iHub CS™
Supported Protocols*

EBS and Planning Solutions

ERP Solutions

Agile/PLM Solutions

Oracle ERP Cloud

Logistics Solutions

Other

VPN · HTTPS · Excel · XML · EDI · ASCII · SFTP · JMS · Web Service · CSV · TLS/SSL

inspirage iHub CS™

© 2017 Inspirage

inspirage

DEPLOYMENT ARCHITECTURE (SAMPLE)

ORACLE®
E-BUSINESS SUITE

WMS Cloud

inspirage iHub CS™

ORACLE

PDH Cloud
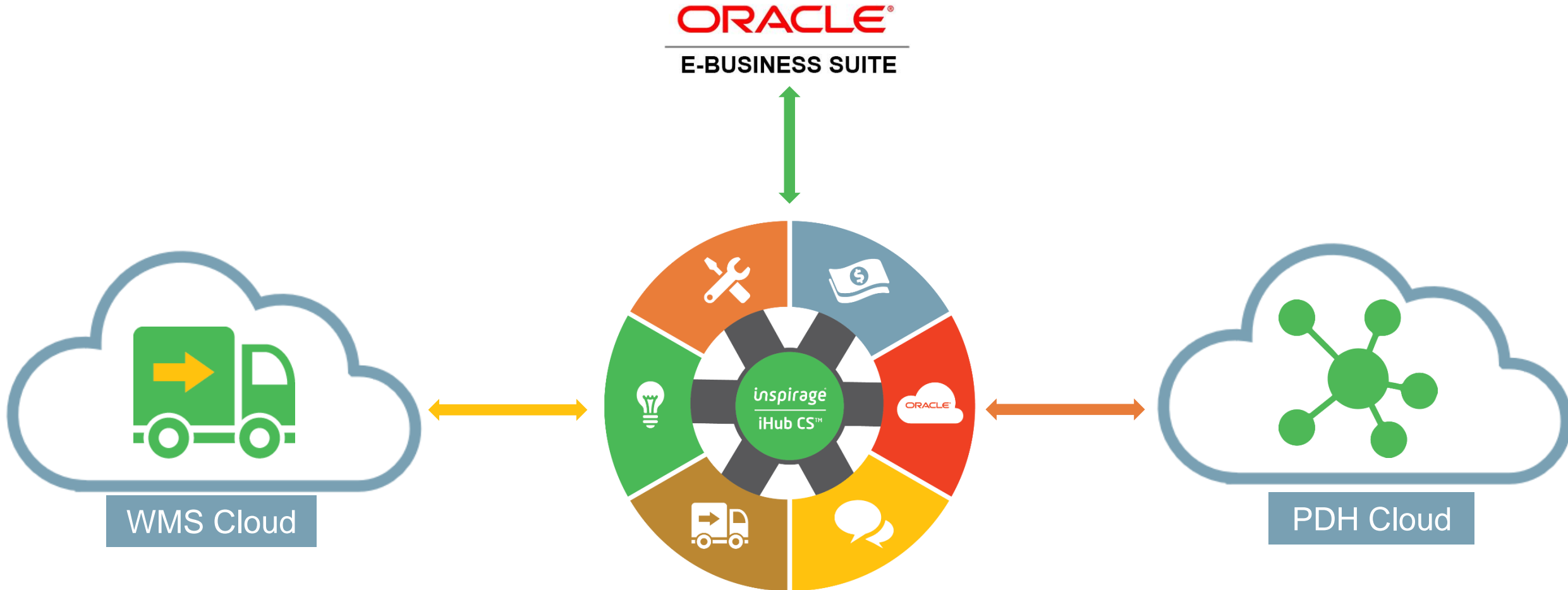
- TEST & PROD Environments Provisioned
- UI will use a shared infrastructure
- Hosted and maintained by Inspirage as SaaS

inspirage®

24x7 monitoring

Secure, multi-tenant public-facing environment
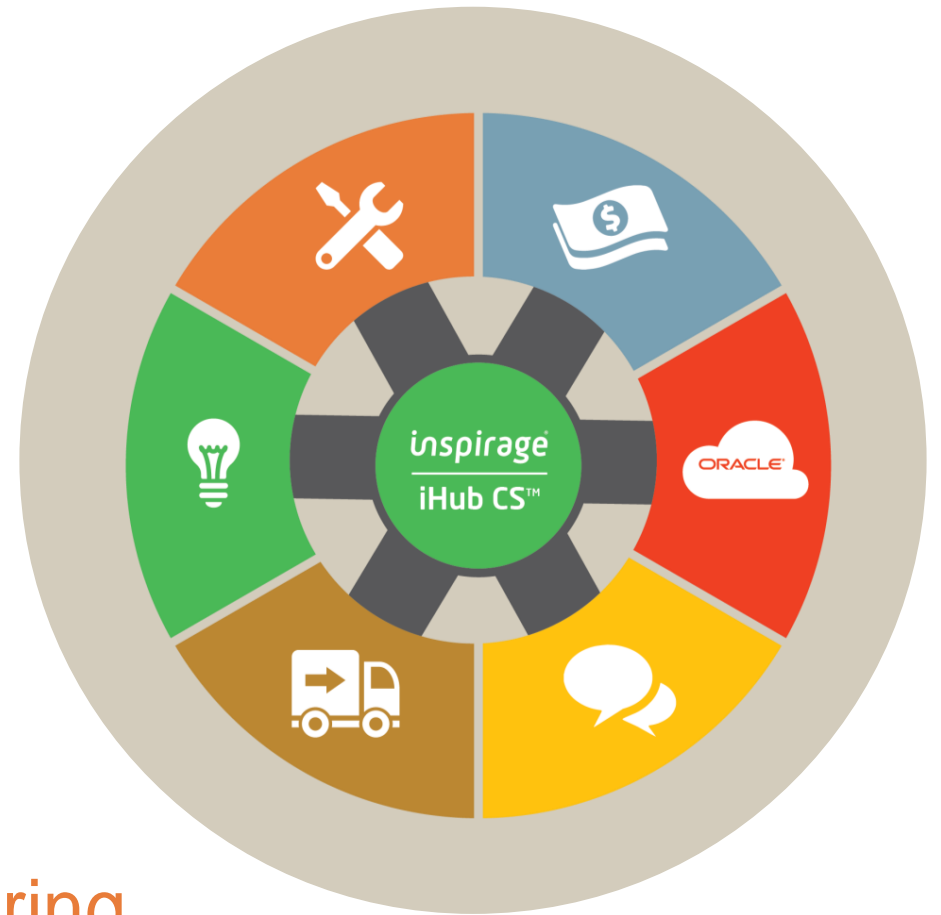
Private, single-tenant environment

inspirage

inspirage | iHub CS™

Joe Smith ☰

Home > Monitor

Cr

Instance Details

Instance
EBS and JDE to Cloud PDH
Demantra to Cloud Planning
EBS and JDE to Cloud PDH

Status: Paused ▶ ⏸

Project	Start Date

Pending

Originating Record	Notes	Reference #	Tr. # ▲	Ver.	Create Date
ECO-01010		ATO0008105	35	2	2016-04-11 02:04:1
ECO-01044		ATO0008106	36	2	2016-04-11 02:16:2

Processing

Originating Record	Notes	Reference #	Tr. # ▲	Ver.	Create Date

No records available.

Error

Originating Record	Notes	Reference #	Tr. #	Ver.	Create Date
MCO-010007		ATO0008099	29	1	2016-04-11 01:15:4
ECO-01008		ATO0008101	31	1	2016-04-11 01:29:0
ECO-01009		ATO0008091	21	2	2016-04-10 21:28:2
ECO-01046		ATO0008110	40	1	2016-04-11 03:01:0
ECO-01032		ATO0008111	41	1	2016-04-11 03:03:0
ECO-01049		ATO0008112	42	1	2016-04-11 03:04:4

Hold

Originating Record	Notes	Reference #	Tr. # ▲	Ver.	Hold Tr. #
SCO-01005		ATO0008102	32	1	
ECO-01029		ATO0008104	34	1	
SCO-01006		ATO0008107	37	1	
SCO-01007		ATO0008108	38	1	
ECO-01047		ATO0008109	39	1	

Completed

Originating Record	Notes	Reference #	Tr. #	Ver.	Create Date
ECO-01025		ATO0008098	28	2	2016-04-10 23:07:2
qty_2016-04-11_06-04-40_49.txt		Qty Update	95	2	2016-04-11 06:05:0
qty_2016-04-11_06-04-40_48.txt		Qty Update	94	2	2016-04-11 06:05:0
qty_2016-04-11_06-04-		Qty Update	92	2	2016-04-11 06:05:0

Canceled

Originating Record	Notes	Reference #	Tr. # ▼	Ver.	Create Date
qty_2016-04-11_06-04-40_52.txt	Qty Update		98	6	2016-04-11 06:05:0
qty_2016-04-11_06-04-40_47.txt	Qty Update		93	2	2016-04-11 06:05:0
ECO-01020		ATO0008097	27	1	2016-04-10 23:01:4
ECO-01015		ATO0008093	23	1	2016-04-10 22:22:1

inspirage
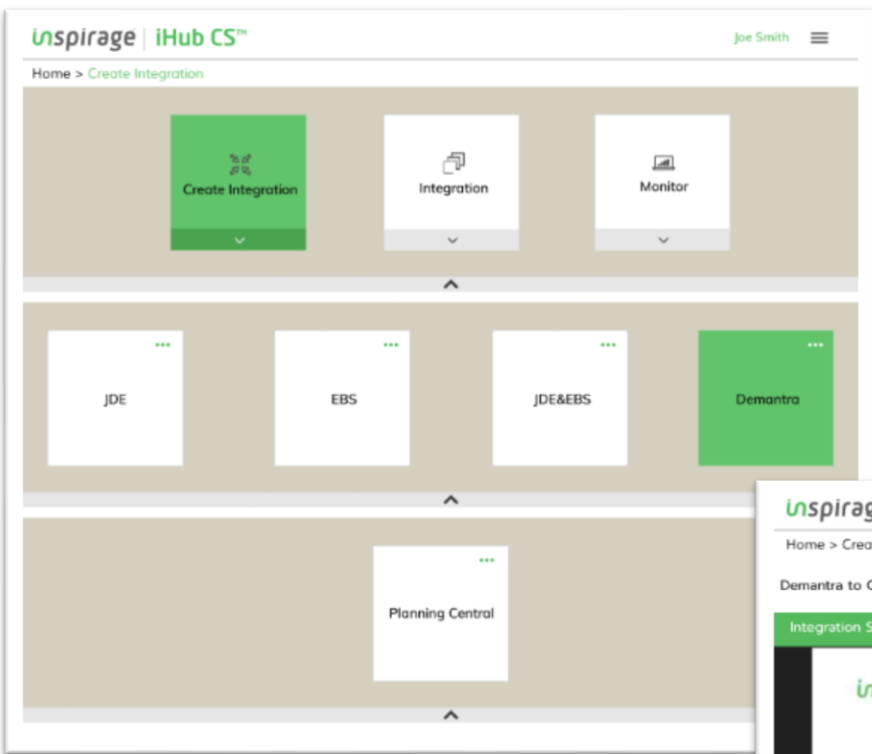
1. Select the endpoints
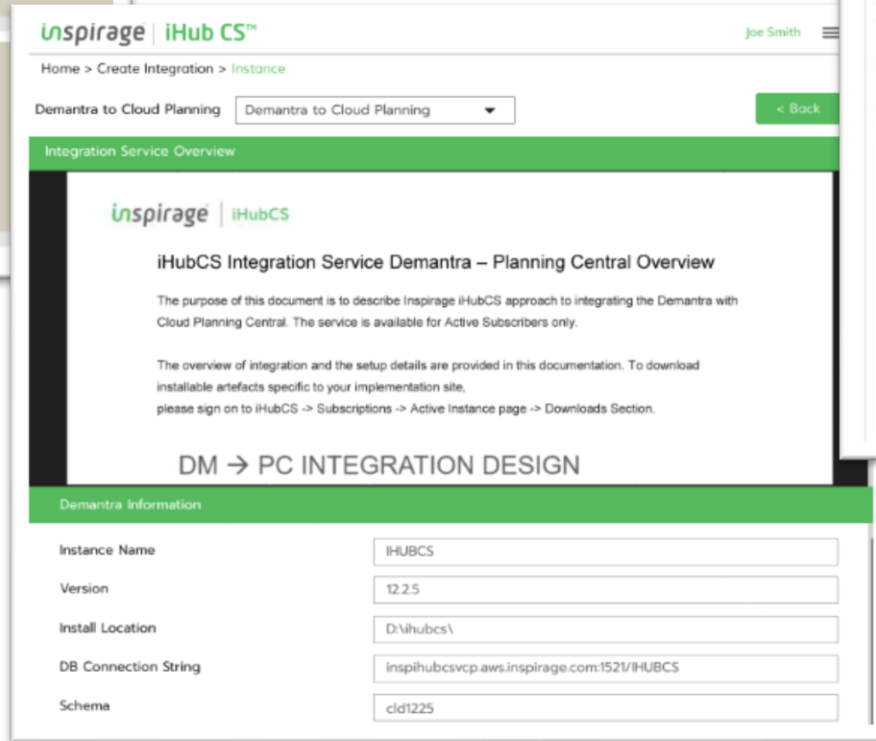
2. Configure the endpoint connections
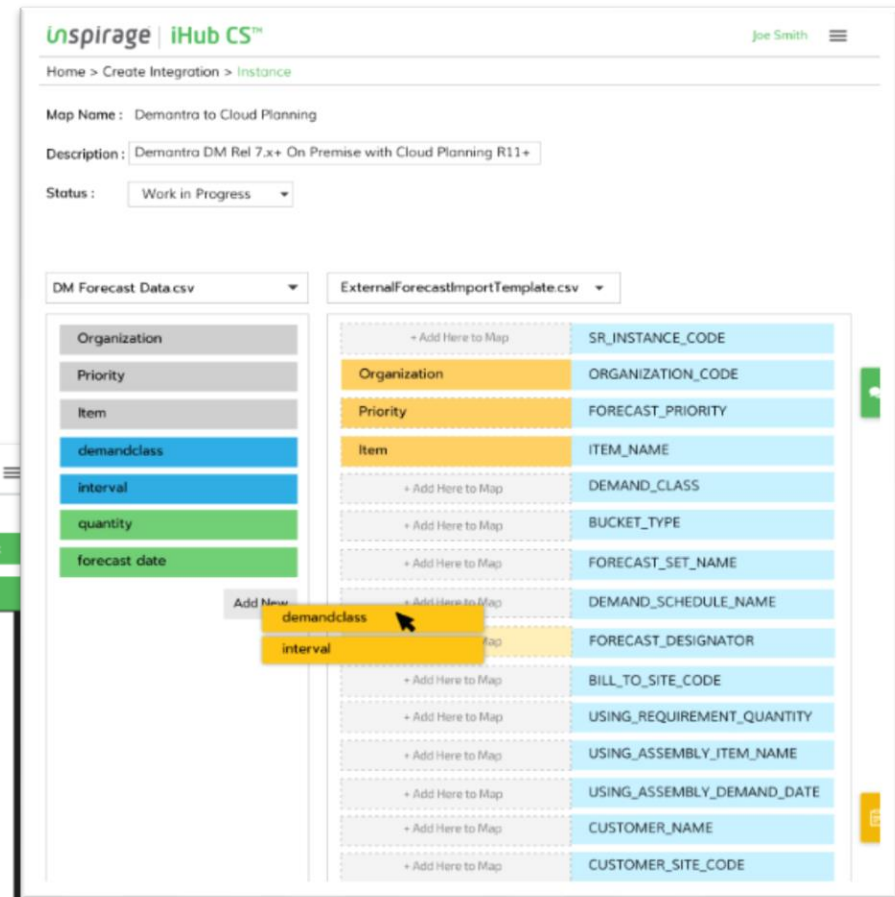
3. Add additional field mappings

- ✓ **Faster Implementations**
- ✓ **Reduced Risks**
- ✓ **Lower costs**
- ✓ **Extensible solution**

Simple to consume existing integrations

Simple data mappings

inspirage
iHub CS™

Secure data transactions

No server administration headache

inspirage
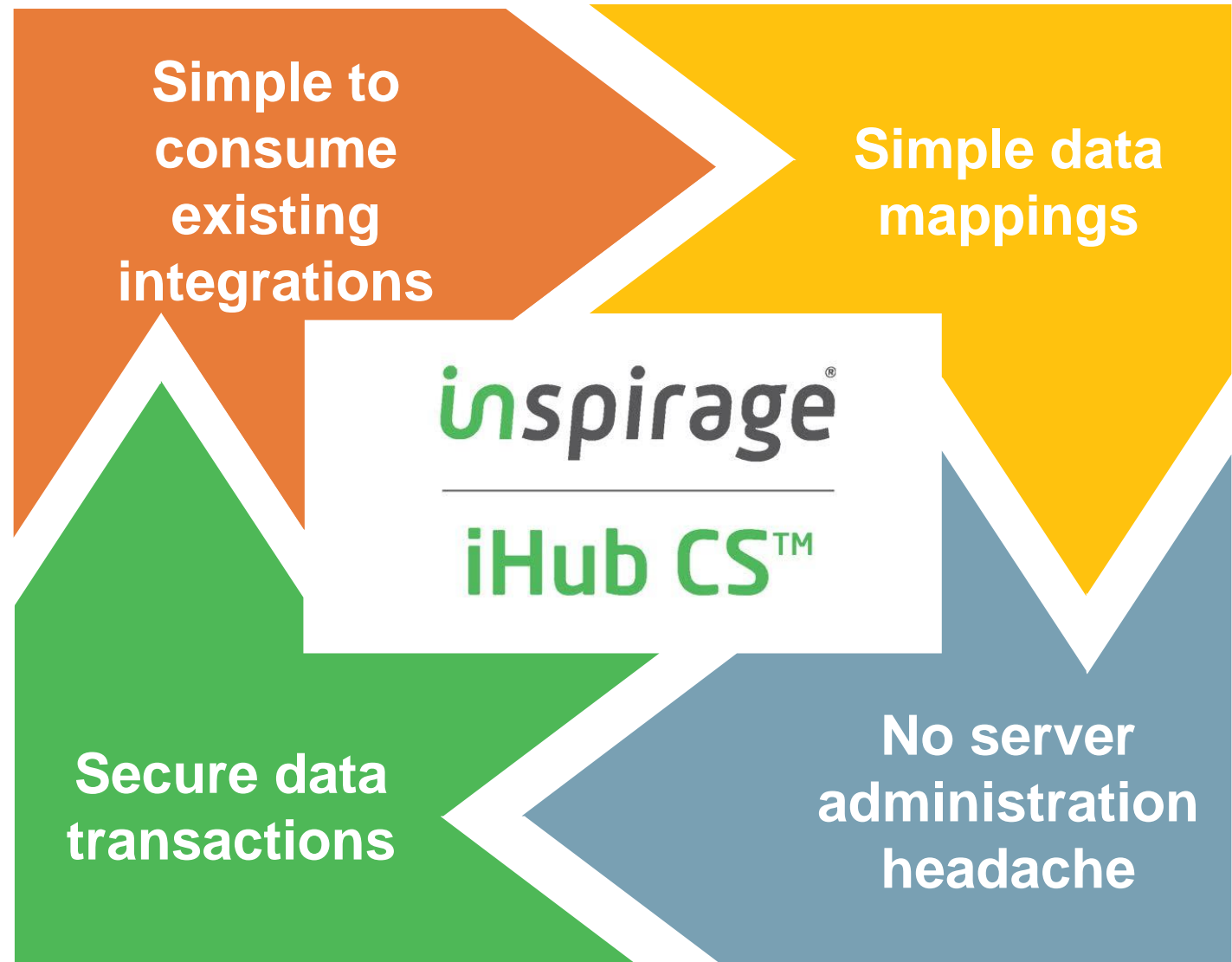
PRODUCT MANAGEMENT
PLM Cloud to MDM via GDSN XML

Integrations Deployed

PDH to MDM

Location Deployed

Europe

Future Phases

Update to new API standard

Solution

Integration leveraging iHUBCS which pushes product data from Cloud PDH to an on-prem MDM system.

Entry to a lifecycle phase triggers a publish of data and a resultant orchestration to build an XML based on GDSN structures with region specific variables.
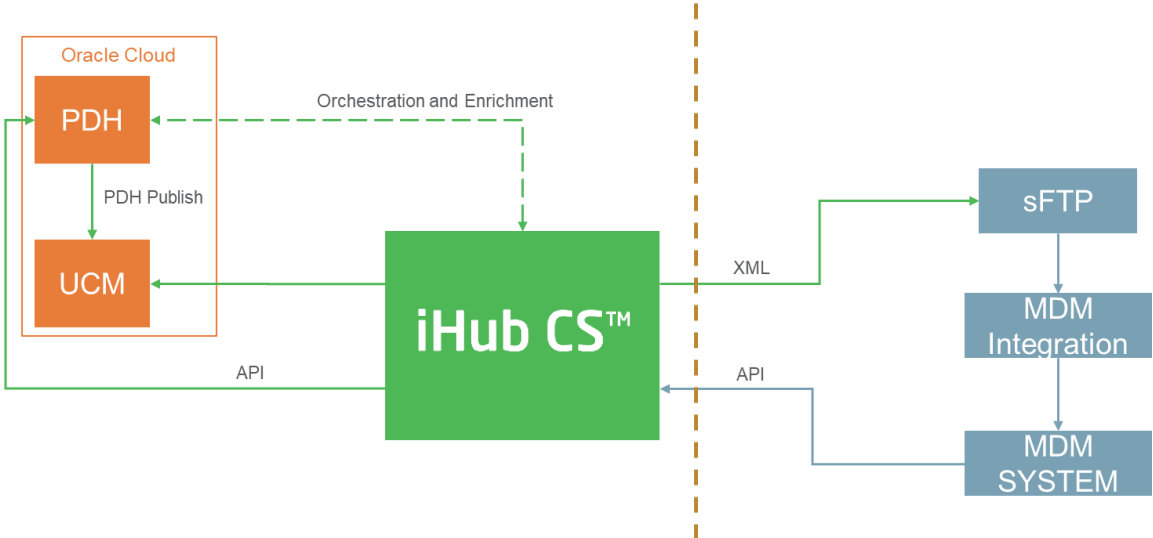
About: **European Grocery and CPG**
Industry: Grocery / CPG

RESULTS

- Product Pack and Bill of Material Structure.
- Automated release for launch, supply chain, webstore.
- Returned integration for GTIN
- Automated update on schedule.
- Supported along with Application Support Agreement creating black-box for client

inspirage

PRODUCT COMPLIANCE

I want to sell **My Product** to **Someone** located **Somewhere** without getting **Fined**, **Sued**, or otherwise **Shutdown**, while maximizing **Profit**.

inspirage

CLOUD COMPLIANCE ADDRESSES COMPLETE PRODUCT COMPLIANCE

Environmental and Safety Compliance

- Reach
- RoHS
- China RoHS
- UL / CE Marks

Corporate Social Responsibility

- Conflict Mineral
- Green Initiatives

Jurisdictional Compliance

- FDA
- Harmonized Tariff Schedules
- Hazardous Goods Codes

inspirage
CLOUD COMPLIANCE

Manufacturer Part

Item

Substance

Product Compliance

Specification

Declaration

inspirage

Compliance Overview

CLOUD COMPLIANCE - SPECIFICATION

CLOUD COMPLIANCE - DECLARATION

ROHS Declaration

[Save] [Cancel]

Declaration Name ROHS Declaration   Description [ ]
Status [ ]   Released Date [ ]
Compliance Manager [ ]   Followup Date [ ]
Created Date [ ]   Specification EU RoHS;China RoHS [ ]
Notes [ ]

Items

[Add Item(s)] Please upload Excel file: [Choose File] No file chosen

Number	Revision	Class	Description		
Z800-02	C	BR_Physical	"ZAP Tablet"	✎	✖
12-0014-00	0	BR_Physical	"CAP, TANTALUM, SMD, A-SIZE, 4.7UF, 6.3V, 20%"	✎	✖
12-0018-00	0	Diodes	"DIODE, SWITCHING, SOT-23, BAS16"	✎	✖
03-0320-02	C	BR_Physical	"PCB ASSY, MAIN BOARD, ZAP 800, PHASE II"	✎	✖

Item Specifications: 12-0014-00

Specification	Compliance Status	Reference	ItemStructure	Exemptions	Notes	
EU RoHS	Exempt		Primary	Lead7CIII		✎
China RoHS	Yes		Primary	Lead7CIII		✎

Attachments

Attachment: [Choose File] No file chosen   [Upload]

AttachmentName	AttachmentType		
No data to display.			

History

EntityType	Name	Action	Date	Modified By	DeclarationId	
No data to display.						

inspirage

CLOUD COMPLIANCE – ITEM VIEW

Cloud Compliance

powered by **inspirage**

Items

Item Compliance View

◢ **Search**

Advanced   Saved Search [ItemCompliance ⬍]

Item Number [Z800-02] 🔍

Search Reset Save...

Z800-02 - "ZAP Tablet" (C)

[Change Revision]

◢ **Current Compliance Matrix**

Specification	Structure	Compliance Status	Jurisdiction	Reference	Analysis Method	Exemptions	Declarations
China RoHS	Primary	Yes	India	NA	NA	Electric	ROHS Declaration
Test106	Primary	Compliant	Canada	NA	NA	Electric	Other Declaration for ZAP
TestSpec	Primary	No	Canada	NA	NA	Electric	Other Declaration for ZAP
EU RoHS	Primary	Non-Compliant		NA	NA	Lead7CIII	ROHS Declaration
SPEC001	Primary	Non-Compliant	US	NA	NA	Electric	Other Declaration for ZAP

◢ **Manage Declarations**

[Create]

Declaration	Description	Status	Follow Up Date	Specifications
Other Declaration for ZAP				SPEC001,Test106,Tes...
ROHS Declaration				China RoHS,EU RoHS

◢ **Reporting**

Home
Setups

Specification
  Search
  Create

Declaration
  Search
  Create

Items

inspirage®

DESIGN FOR COMPLIANCE

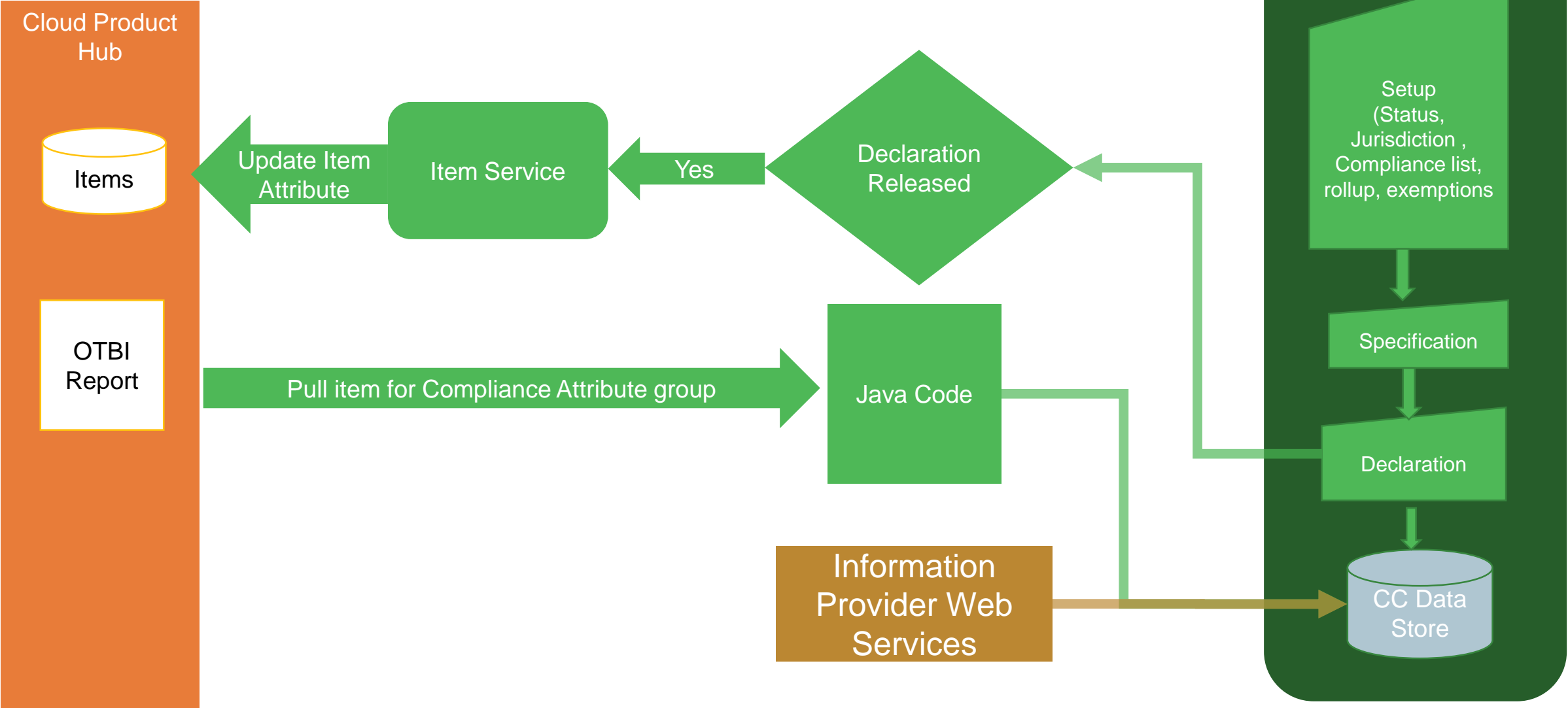## Compliance Statuses are directly visible in Cloud PLM

BOM REPORT

Manufacturer BOM Report

Item Number: Z800-02
Description: ZAP Tablet
Item Revision: D
Organization: BRUSA

Level/Path			Component Items				Compliance			
Path	Level	Item Seq	Item Number	Item Description	Sub Class	Revision	Jurisdiction	Spec	Status	Exemption
/03-0320-02	1	1	03-0320-02	PCB ASSY, MAIN BOARD, ZAP 800, PHASE II	BR_Physical	C	EU, Finland	RoHs	Compliant	
							US	Conflict mineral	Exempt	B7
							China	China RoHs	Non Compliant	
/P00112	1	11	P00112	TABLET CASING ASSEMBLY	BR_Physical	0	US	RoHs	Compliant	
/03-0320-02/12-0252-00	2	1	12-0252-00	CAP, CERAMIC, SMD, 0603, 0.33UF,Y5V,10V, -20/+80%	BR_Physical	A				
/P00112/P00168	2	10	P00168	BACK CASE	BR_Physical	0	US	RoHs	Compliant	
/03-0320-02/12-0014-00	2	11	12-0014-00	CAP, TANTALUM, SMD, A-SIZE, 4.7UF, 6.3V, 20%	BR_Physical	0	US	RoHs	Exempt	Exempt
/P00112/P00174	2	20	P00174	FRONT CASE	BR_Physical	0	US	RoHs	Compliant	

inspirage

Cloud Compliance Architecture

Compliance Cloud (JCS,DBCS)

Cloud Product Hub

Items

Update Item Attribute ← Item Service ← Yes ← Declaration Released

Setup (Status, Jurisdiction, Compliance list, rollup, exemptions)

OTBI Report

Pull item for Compliance Attribute group → Java Code

Specification

Declaration

Information Provider Web Services

CC Data Store

inspirage®

INSPIRAGE CLOUD COMPLIANCE

- Address General Compliance needs as well as Environmental Compliance
- Integrate with Content Providers, and enable GTM
- Answer compliance questions and audits
- Item Compliance Matrix published to PD / PDH Item
- Define Specifications with Behavior Options
- Provide Declaration Process with Approvals
- Rollup Engine with flexibility to address common needs
- Full Bill of Substance (BOS)
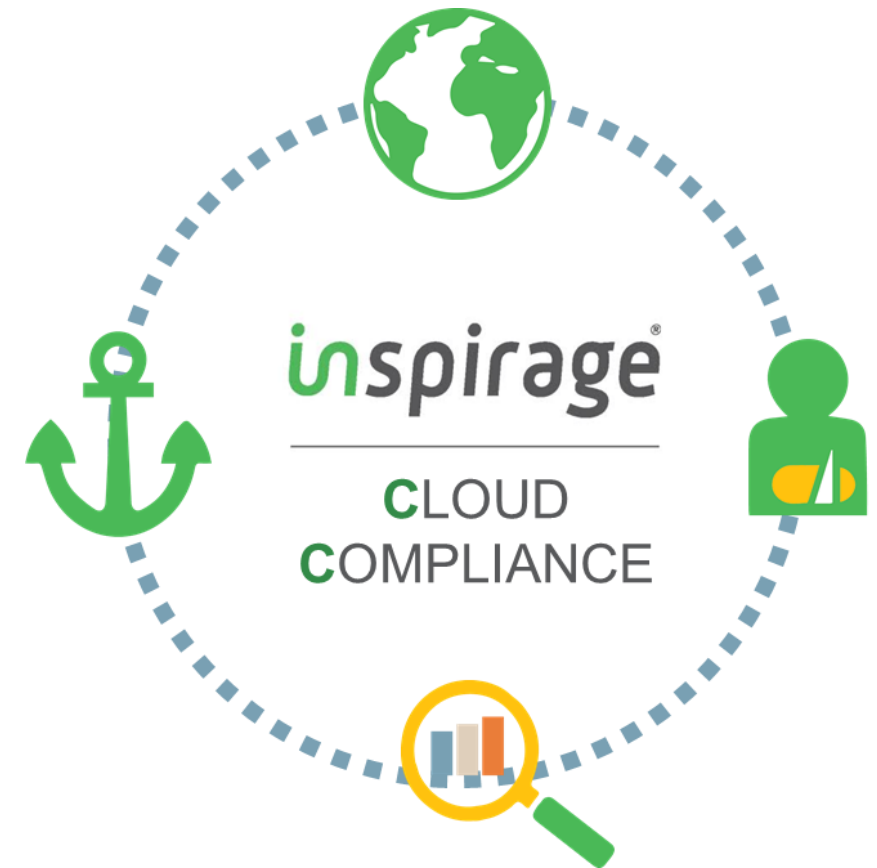
inspirage®

The Integrated Supply Chain Specialists

Mark Ollerenshaw

mark.Ollerenshaw@inspirage.com
+44 7531 829 136