

DEVELOP WITH
DEERE

2018

John Deere Operation Center Interfaces

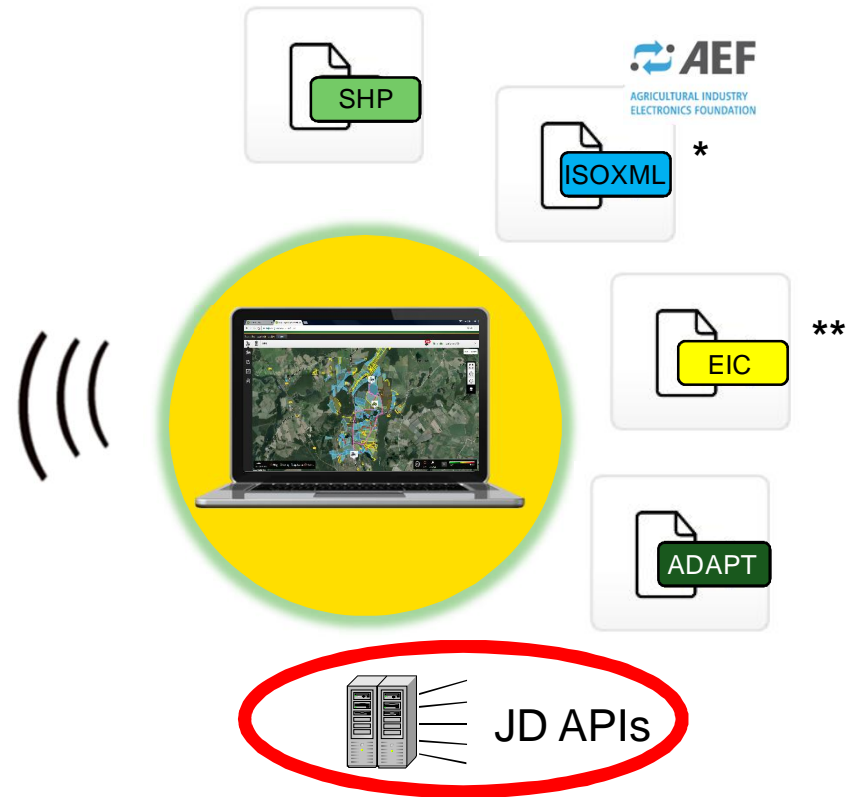
Martin Klausmann, Alliance Manager, ISG Kaiserslautern



Compatibility & Interfaces

Machine &
Implement control

Data
management




* in development

** GS2 2600 & GS3 2630 only

DEVELOPER.DEERE.COM

All you need is a MyJohnDeere Account to get Started

 **JOHN DEERE**

[START DEVELOPING](#) [DOCUMENTATION](#) [OVERVIEW](#) [HELP](#)


Welcome, KLAUSMANNMARTIN

Search

Last Logged In: 31.10.2018 10:27

DEVELOP WITH DEERE

John Deere APIs enable your ag and construction industry software to securely access the robust data from John Deere machines, mobile applications, and more.



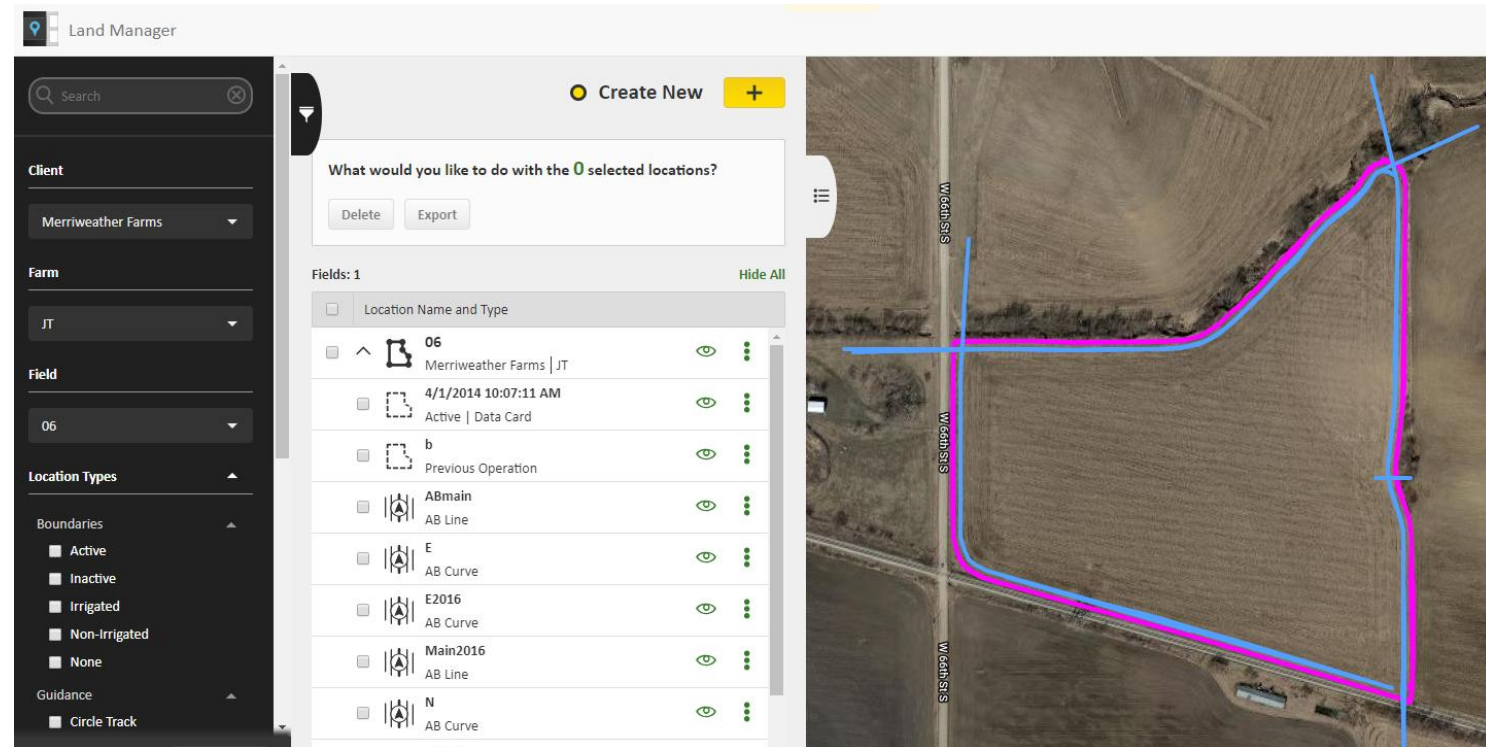
Agenda

- Overview of available API's
 - Receive Data from a Customer willing to share his data
 - Post Data to a Customer Account
- Different use cases



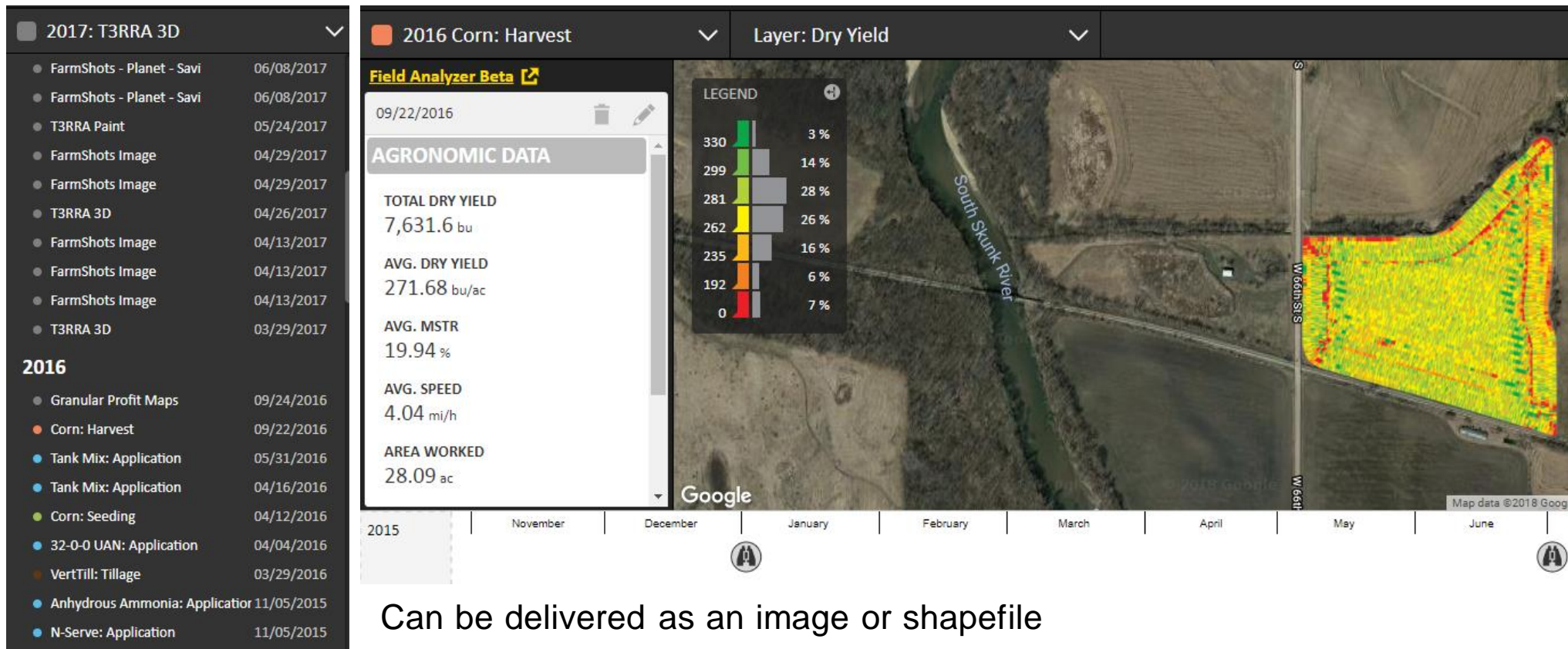
Receive Data from a Customer willing to share his data

Field Details



Receive Data from a Customer willing to share his data


Field Operations




Can be delivered as an image or shapefile

Receive Data from a Customer willing to share his data

Files

 Files ×

Select a month to display files









Files

Queue

Archive

[All](#) | [Setup](#) | [Prescription](#) | [Doc Files](#) | [Harvest ID](#) | [PDF](#) | [Boundary](#)

Showing files created between 09/30/2018 and 10/31/2018

<input type="checkbox"/>	Name	Type	Size	Date Created	Last Modified Date	Recent Activity	Source
<input type="checkbox"/>	SetupFileOct23.zip	Setup	43.2 KB	October 26, 2018 12:54:30 PM	October 26, 2018 12:55:07 PM	File processing finished	John Deere 2630
<input type="checkbox"/>	MyJD-FIELD-7528.zip	Crop Insurance	1.3 KB	October 5, 2018 12:49:27 PM	October 5, 2018 12:49:28 PM	File uploaded by John Deere	John Deere
<input type="checkbox"/>	01_export.zip	Export	205.8 KB	October 1, 2018 11:38:57 AM	October 1, 2018 11:40:06 AM	Field export finished	John Deere

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Receive Data from a Customer willing to share his data

Machine Monitoring

MachineMonitoring BETA

Alerts

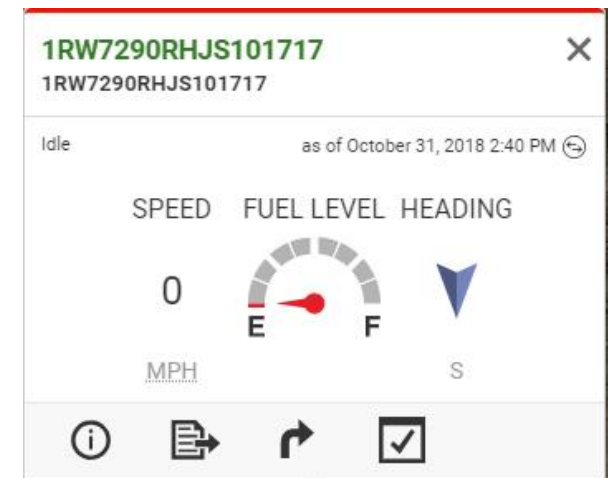
Engine Hours

Hours of Operation

Distance Traveled

Device State Reports

Machine Location History



Receive Data from a Customer willing to share his data

Notifications

OTHER ITC 522394.13

NOTIFICATION DETAILS

Today 2:44 PM

OTHER ITC 522394.13 TCM not calibrated. - Recent system changes indicate that the TCM was reinstalled. Please calibrate the TCM again to ensure optimized system performance.

LAT/LONG LOCATION AT THE TIME OF ALERT

,

Make

JOHN DEERE

Type

Tractor

Model

7290R

PIN

1RW7290RHJS101717

Occurrences

Duration

1RW7290RHJS101717

Organization

Jensen Test Farms - ISG SI&T

Category

Diagnostic Trouble Codes

Severity

Info

Post Data to a Customer Account

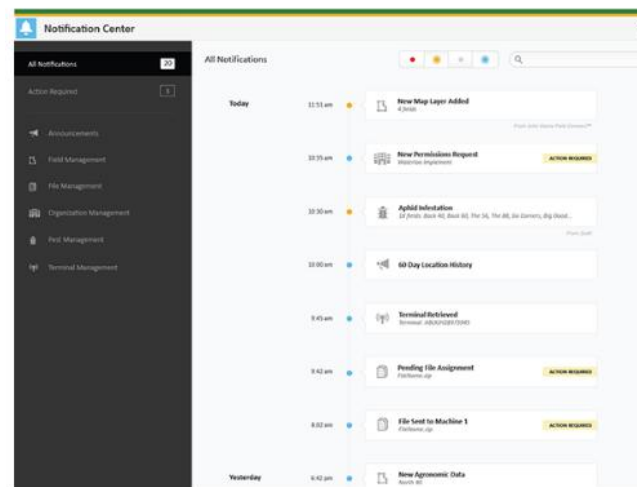
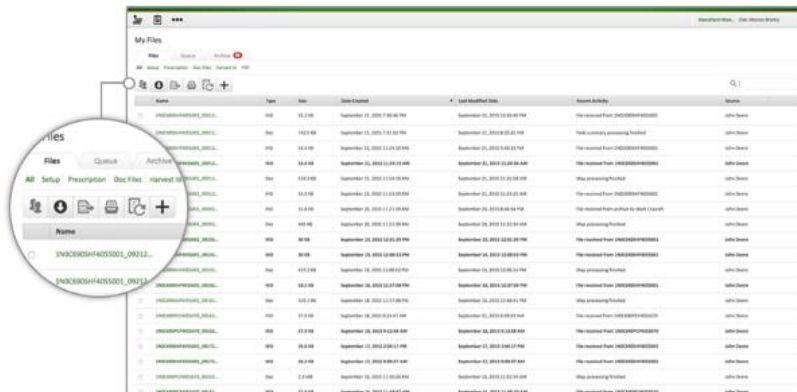
Files

SHARED SECURELY

PRODUCTION

Seamlessly upload, send, and share files to and from your customers, their machines, and their trusted advisors.

[LEARN MORE >](#)



Notifications ^{BETA}

A TIMELY NOTICE

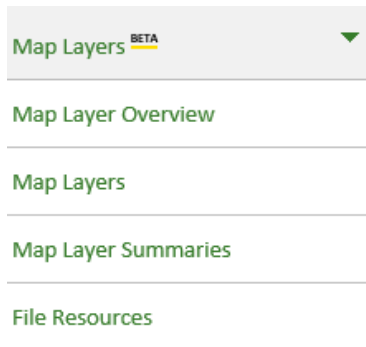
Grab the attention of your target customers through surfacing notifications in their global Notification Center. The Notifications contribution connects your content with the customers operations.

[LEARN MORE >](#)



Post Data to a Customer Account

Map Layers



Agenda

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API Resources available

Data of interest discussed out of different Perspectives:

- The imagery provider
- The Contractor
- The Implement Manufacturer

API Resources	▼
API Inventory	
API Catalog	
BaseResources	▶
FieldDetails	▶
Partnerships & Permissions	
Contributions <small>BETA</small>	▶
FieldOperations <small>BETA</small>	▶
MachineMonitoring <small>BETA</small>	▶
Map Layers <small>BETA</small>	▶
Notifications <small>BETA</small>	
Assets <small>ALPHA</small>	▶

Agricultural Drones

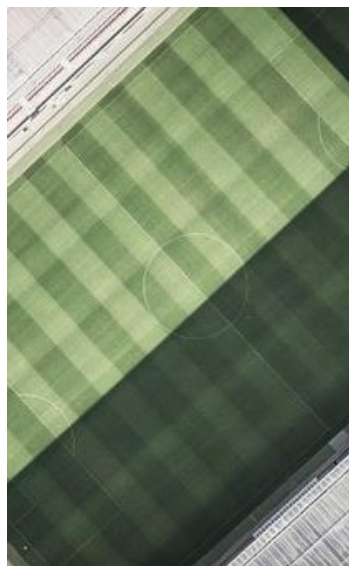
Services to the Customer

Access Customer data:

- Read Fields to cover ▲

Create your services:

- Create an Image and upload it ▲
- Create an application map and upload (SHP)



FieldDetails ▼

Clients

Farms

Fields

Boundaries

AccessPoints ALPHA

Partnerships & Permissions



Map Layers BETA ▼

Map Layer Overview

Map Layers

Map Layer Summaries

File Resources

The Contractors View

Enabling precise execution of Tasks

Be a reliable partner:

- Get Task Details
- See Maps

Create your services:

- Prove finalization
- Provide As applied / Yield Map



FieldOperations <small>BETA</small>	▼
Shapefiles Overview	
FieldOperations	
BaseResources	▼
Access Token	
Files	
File Transfers	
Map Layers <small>BETA</small>	▼
Map Layer Overview	
Map Layers	
Map Layer Summaries	
File Resources	

HarvestLab as an Information resource from the field

For Harvest, but also for Manure constituents

Be a thoughtful partner:

- Get an order
- build your services



Create your services:

- Apply Manure
- Provide As applied (N&P) map
- Provide basis for further precise application planning



FieldOperations <small>BETA</small>	▼
Shapefiles Overview	
FieldOperations	
BaseResources	▼
Access Token	
Files	
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Map Layers <small>BETA</small>	▼
Map Layer Overview	
Map Layers	
Map Layer Summaries	
File Resources	
Notifications <small>BETA</small>	

The Implement Manufacturers View

Optimization of Task to be done in the field; ISOBUS Machine Setup

Set up of system in best possible way:

- Reduce Human error

Use Manufacturers Setup Service:

- Retrieve setup from app
- Select Setup on Machine, fertilizer specific



BaseResources	▼
Access Token	
Files	
File Transfers	

Enable high precision application

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