Bootcamp - 2016

November 2nd, 2016

JOHN DEERE

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Refer to Deere's reports filed on Forms 8-K (current), 10-Q (quarterly), and 10-K (annual) for information on factors that could cause actual results to differ materially from information in this presentation and for information reconciling financial measures to GAAP.

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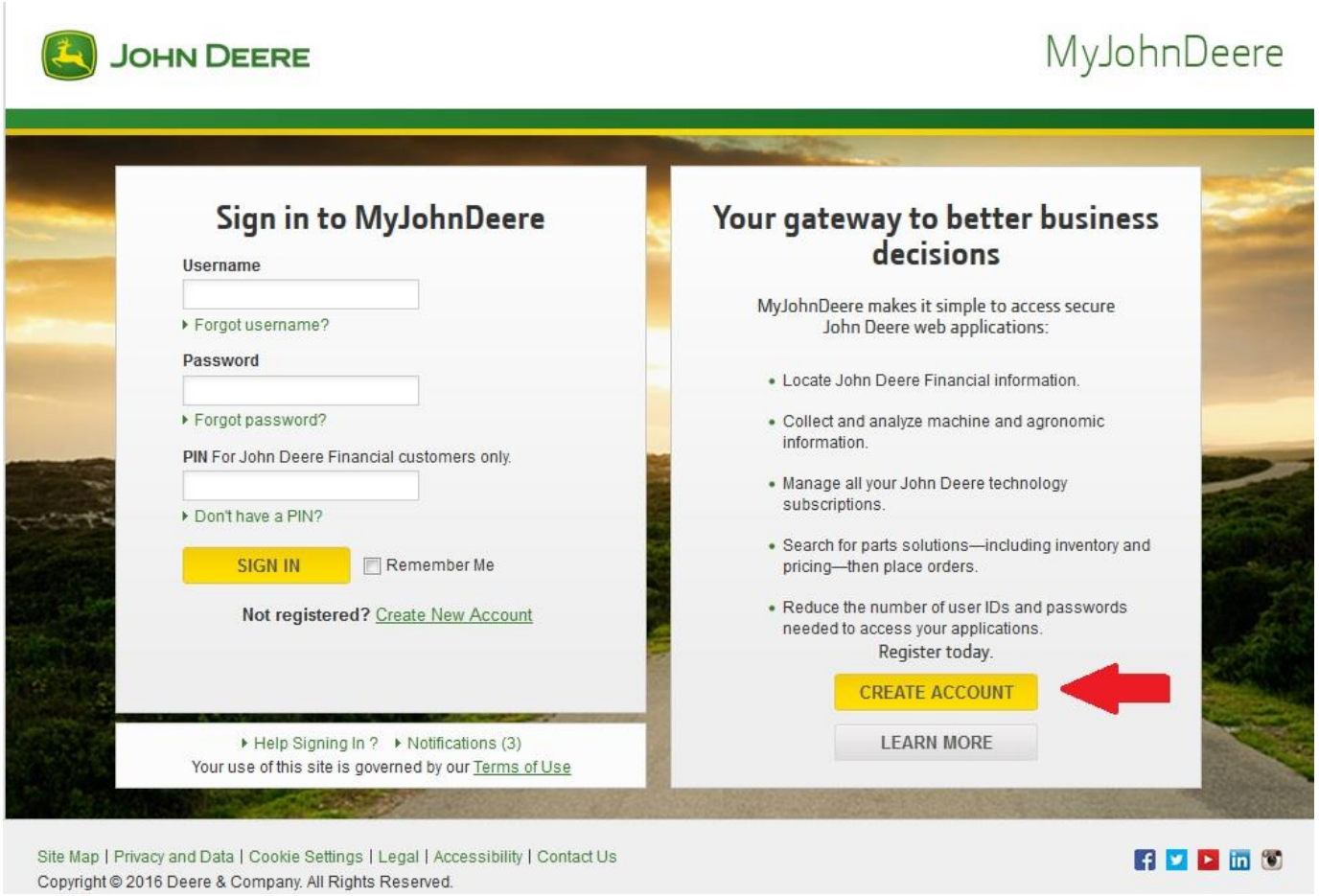
Agenda – full page

- Create your John Deere account
- First Steps on developer.deere.com
  - Creating an application
  - Testing to see if the application works
- Operations Center
  - Logistics on the map
  - Field Analyzer
  - Notifications, files, odds and ends
  - Tools and More Tools
- Test Data
  - Develop with Deere
  - Creating your own
- Testing your first application
- Sample Applications

Create a new John Deere Account at myjohndeere.com



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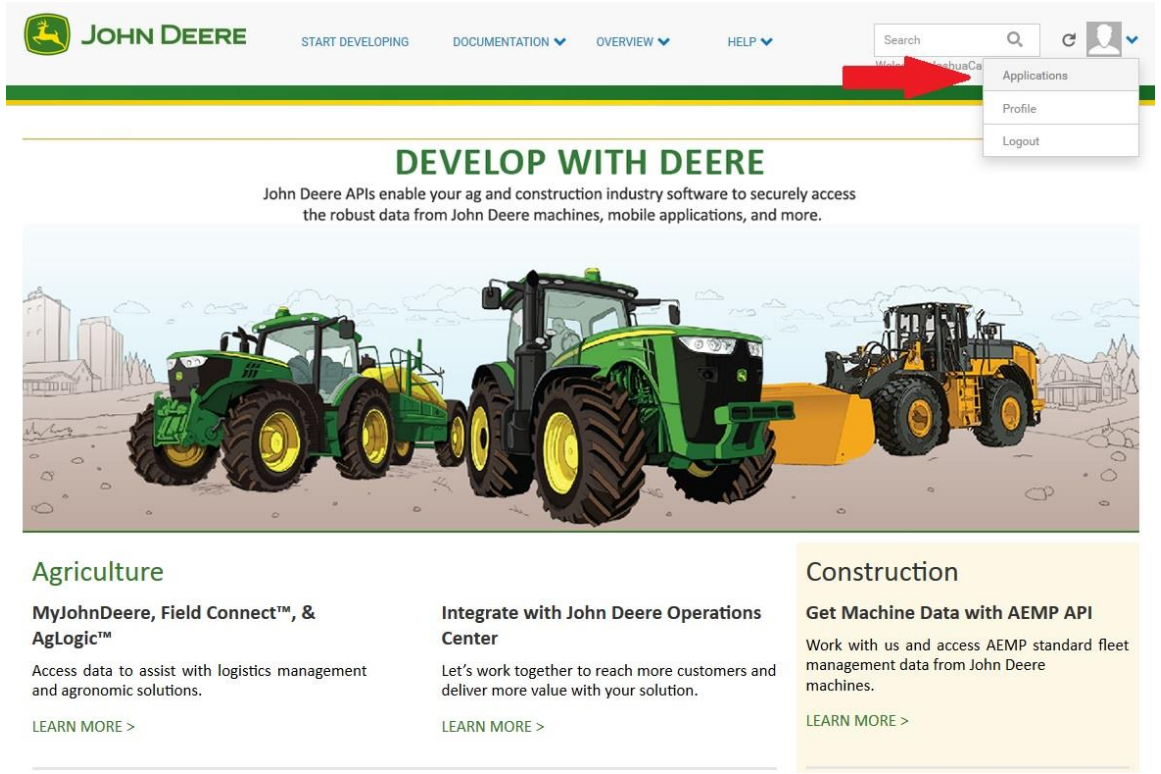
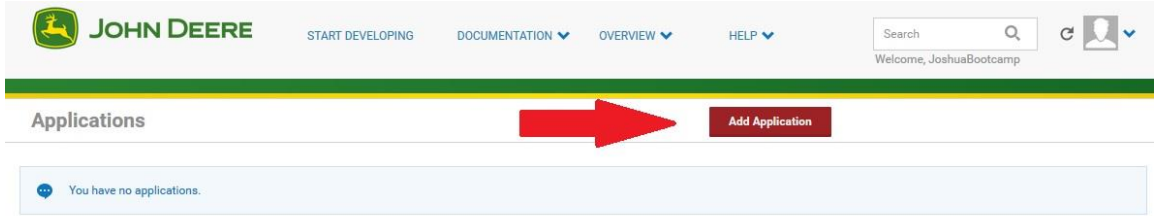
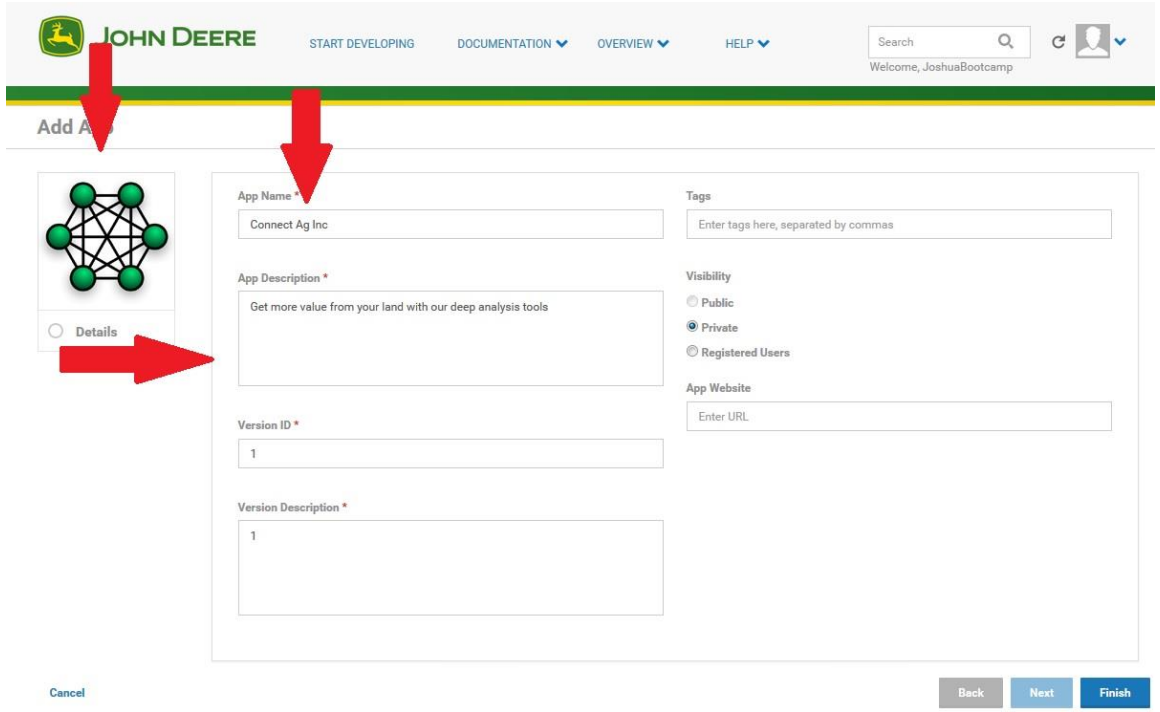
Create An Application on developer.deere.com





Create An Application on developer.deere.com – Part 2

- Image, Name, and Description visible to end customers
- Everything editable later



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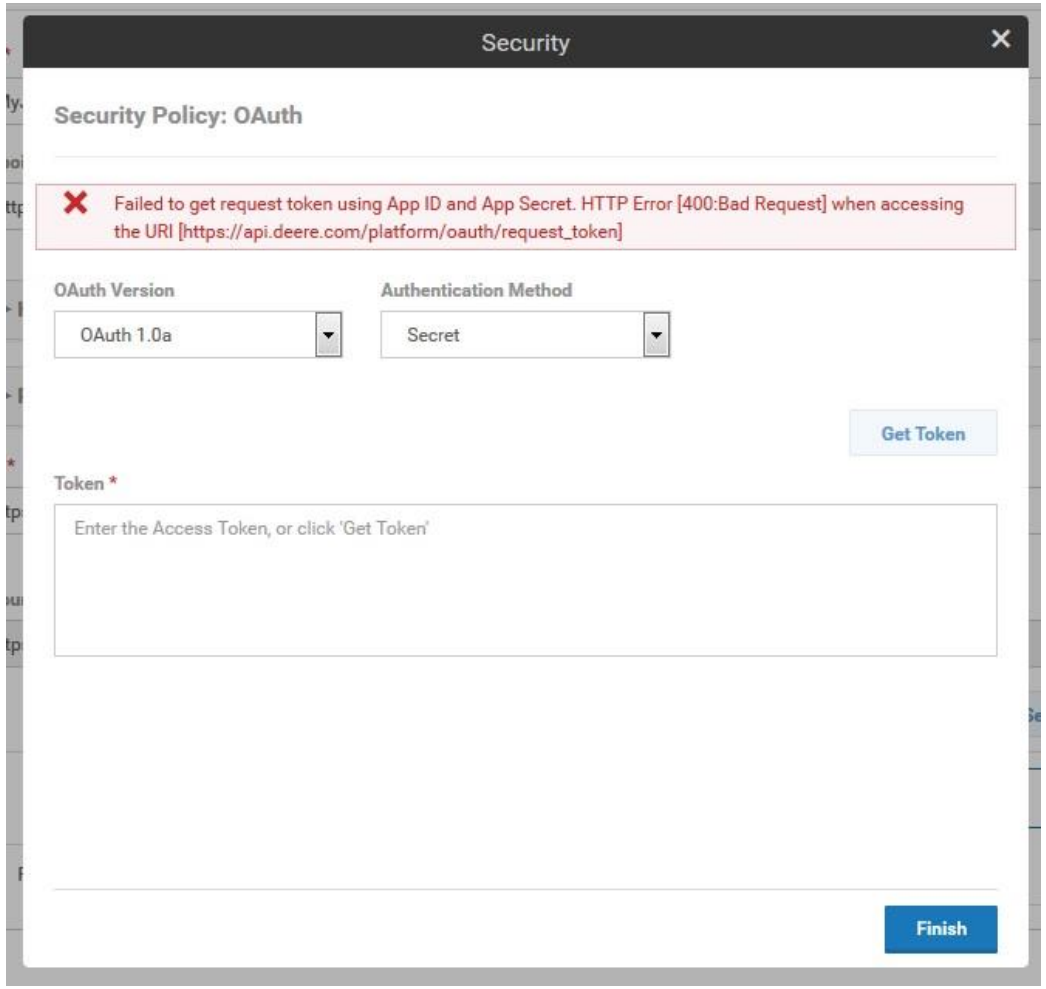
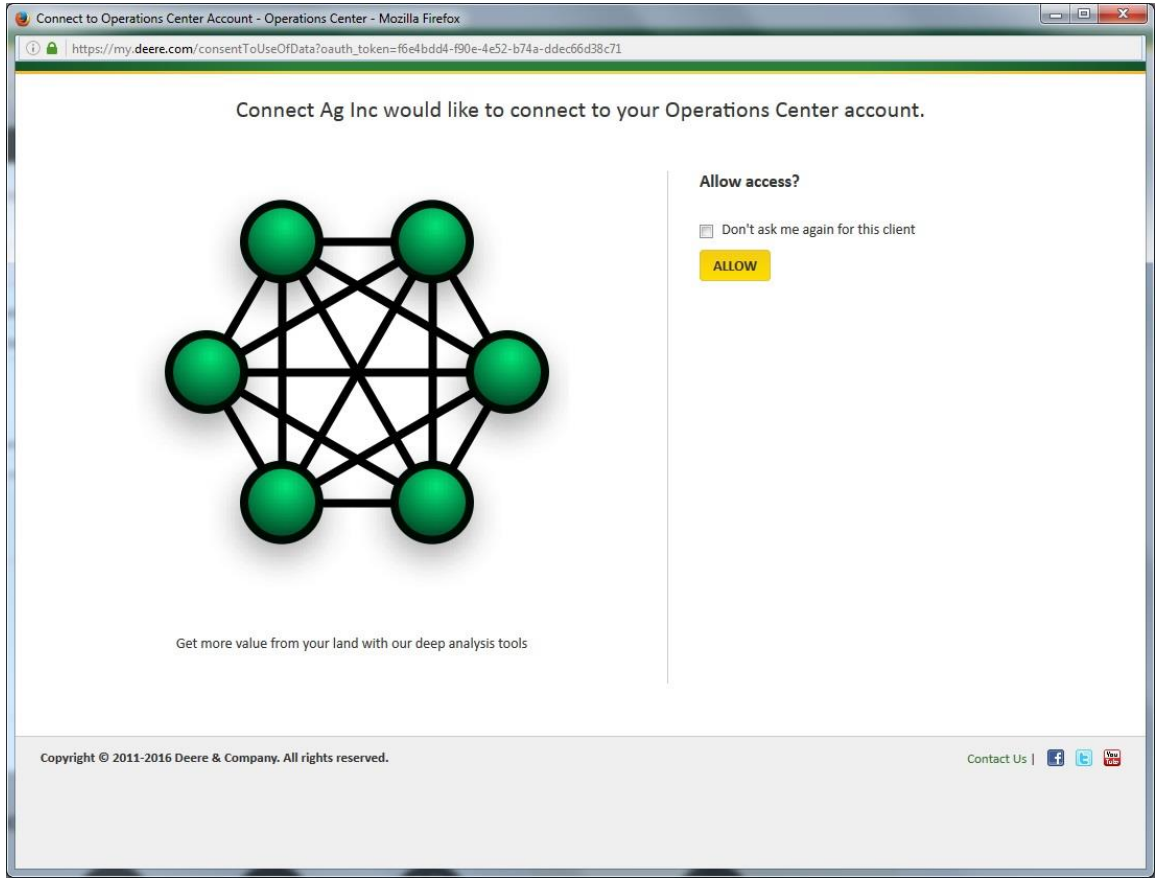
Check that Connection is working or will be soon



Async process to grant new applications access.

Error means process is still happening

OAuth Screen



Security On Test Client triggers OAuth

The OAuth screen shows what customers would see about your app

Seeing this screen means that your app has API access to MyJohnDeere API

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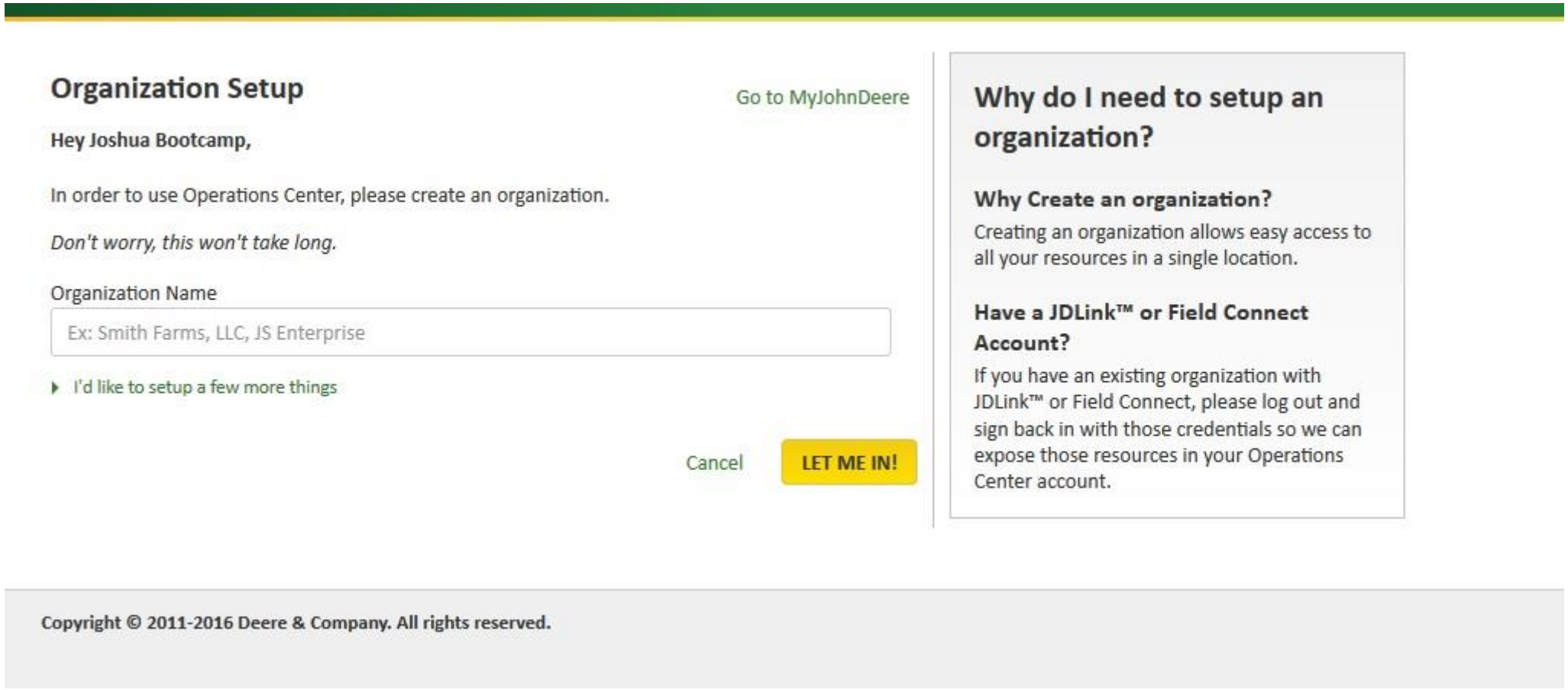
Create Test Organization



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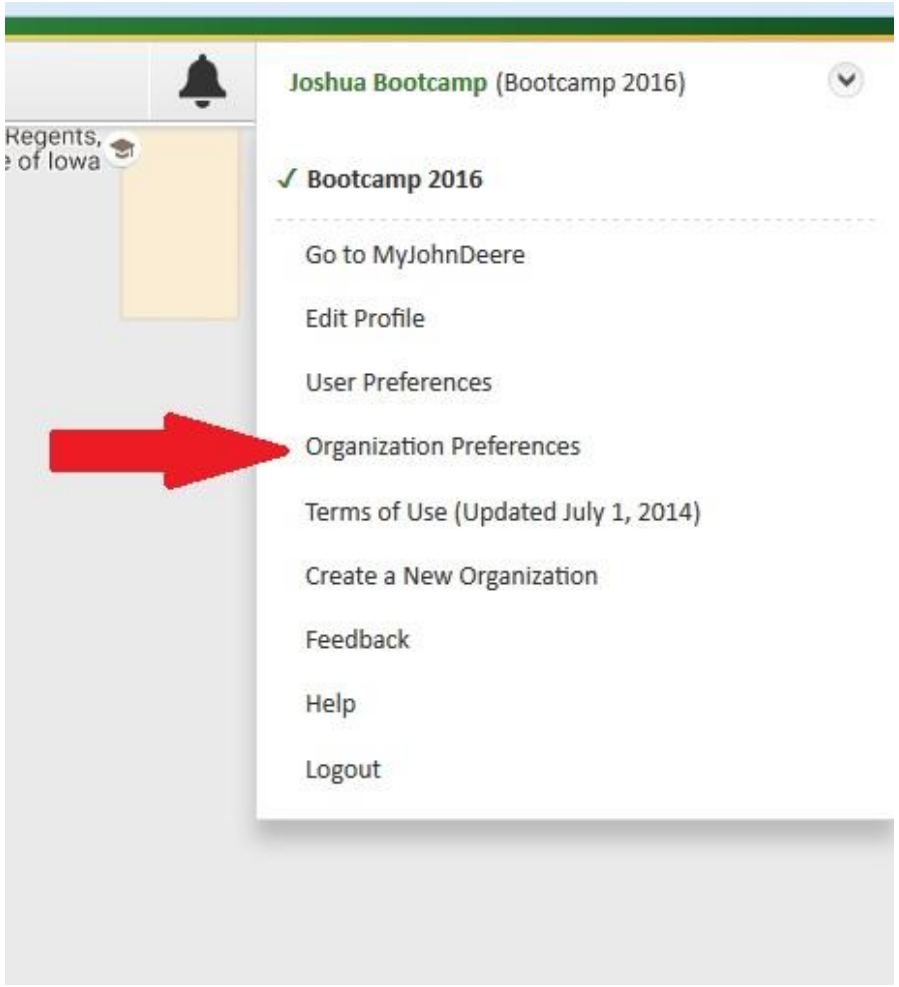
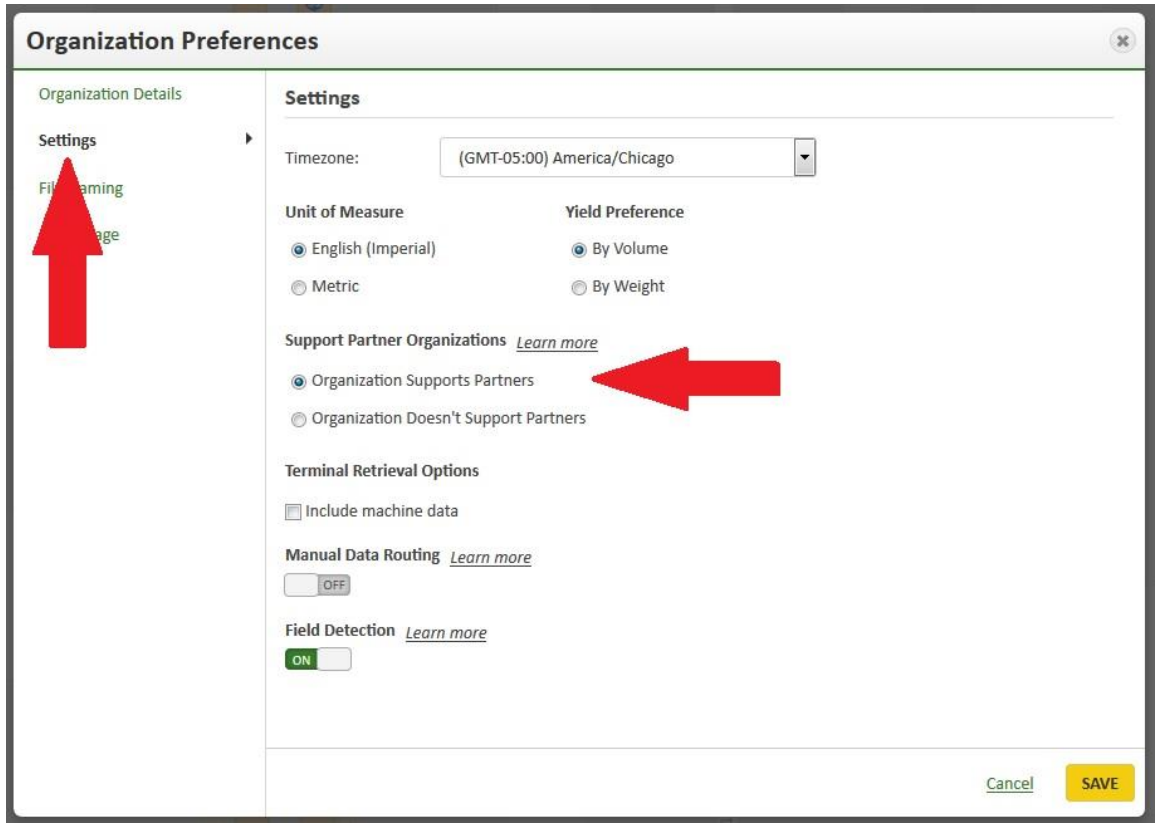
Setup your organization to “Support Partners”





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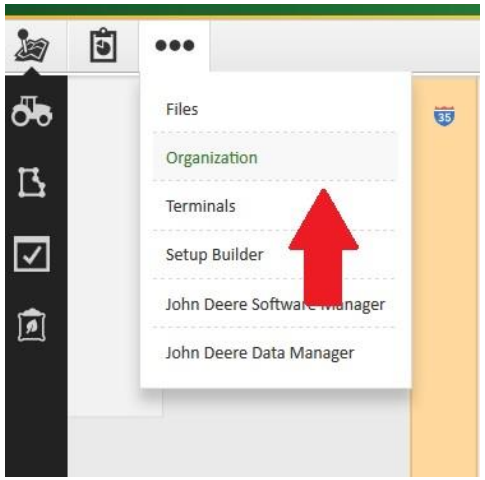
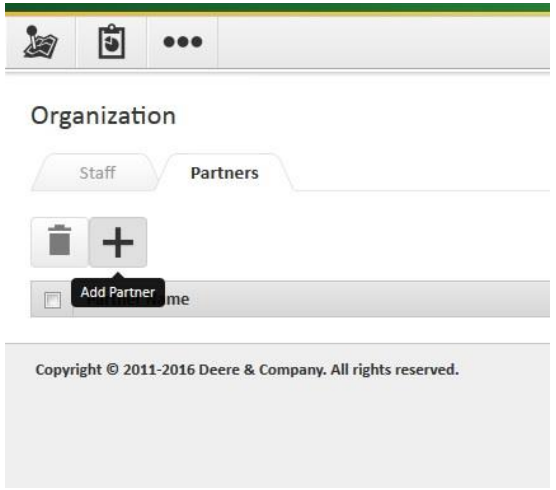
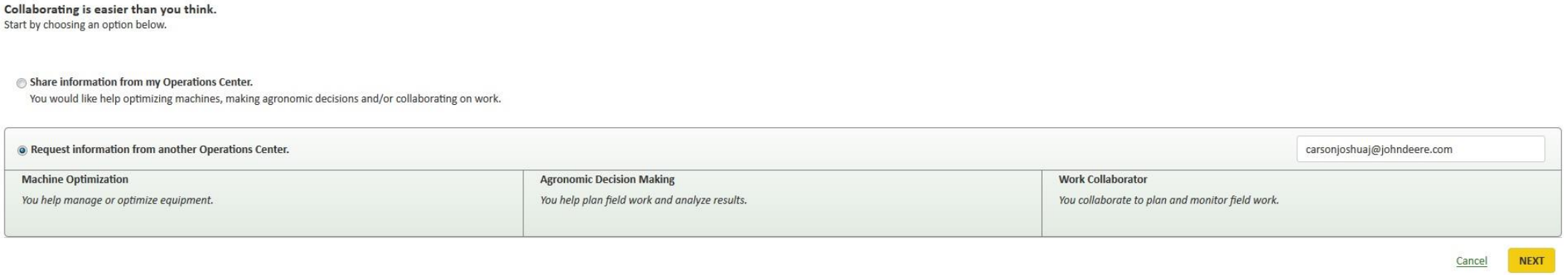
Request Access To Test Data



- **Add Partner**
- **Request Access from CarsonJoshuaJ@JohnDeere.com**
- **Request everything possible**





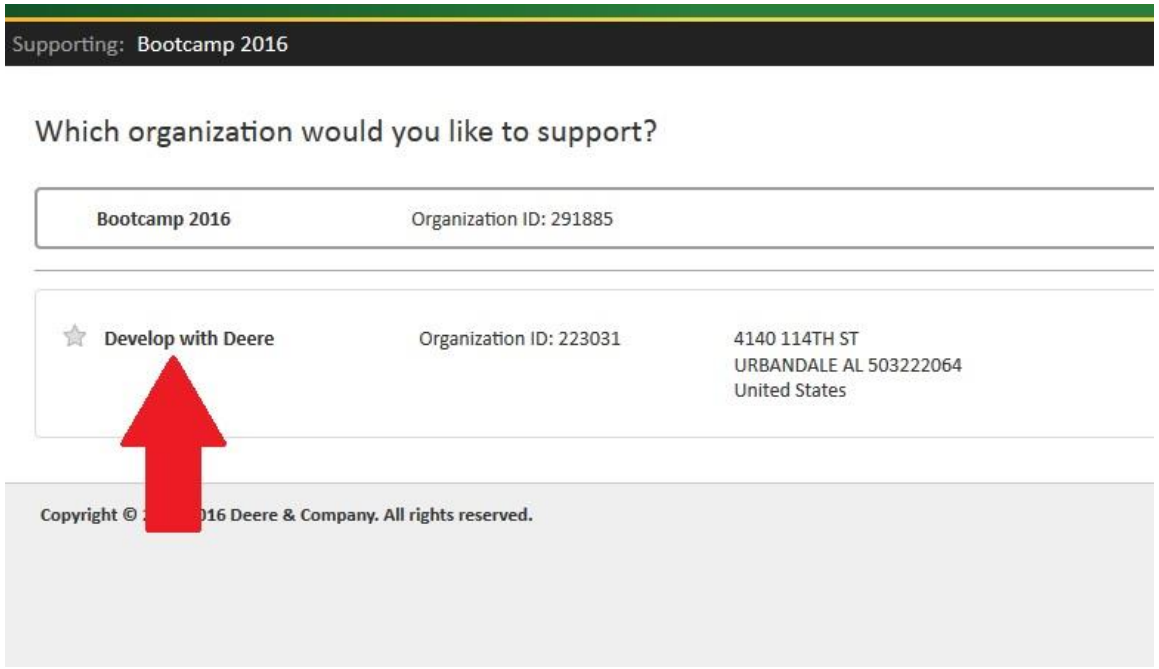
Intermission – Wait while Josh gets you access

Image created by J R
Source: https://flic.kr/p/m7xjoZ

View Test Data Set

Develop with Deere is standard test data

It has data for all basic API access



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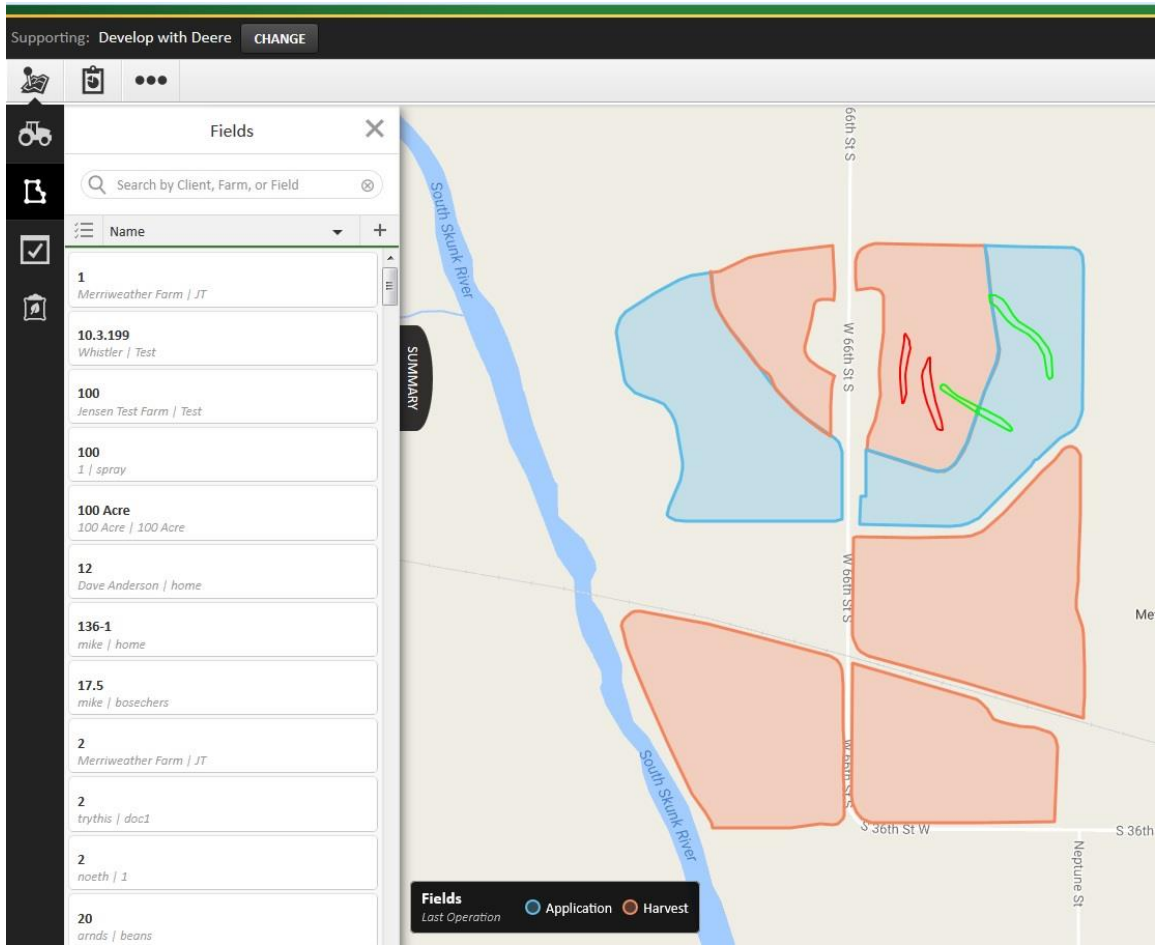
The Map – Viewing Fields



- Client, Farm, Field names
- Field Boundaries
- Operations Done on a field
- Default Map for John Deere customers

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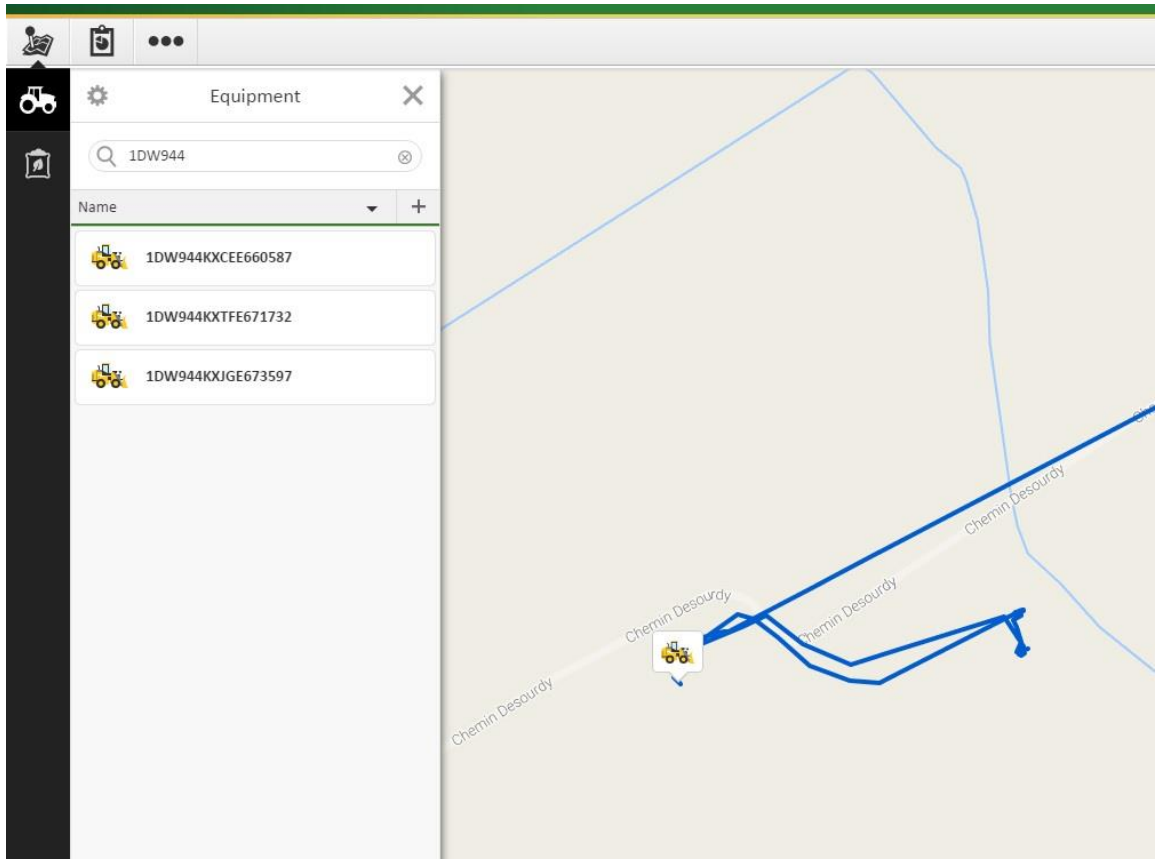
The Map – Viewing Machines



- Machine Make, Model, Type, Name
- Engine Hours
- Location (partial)

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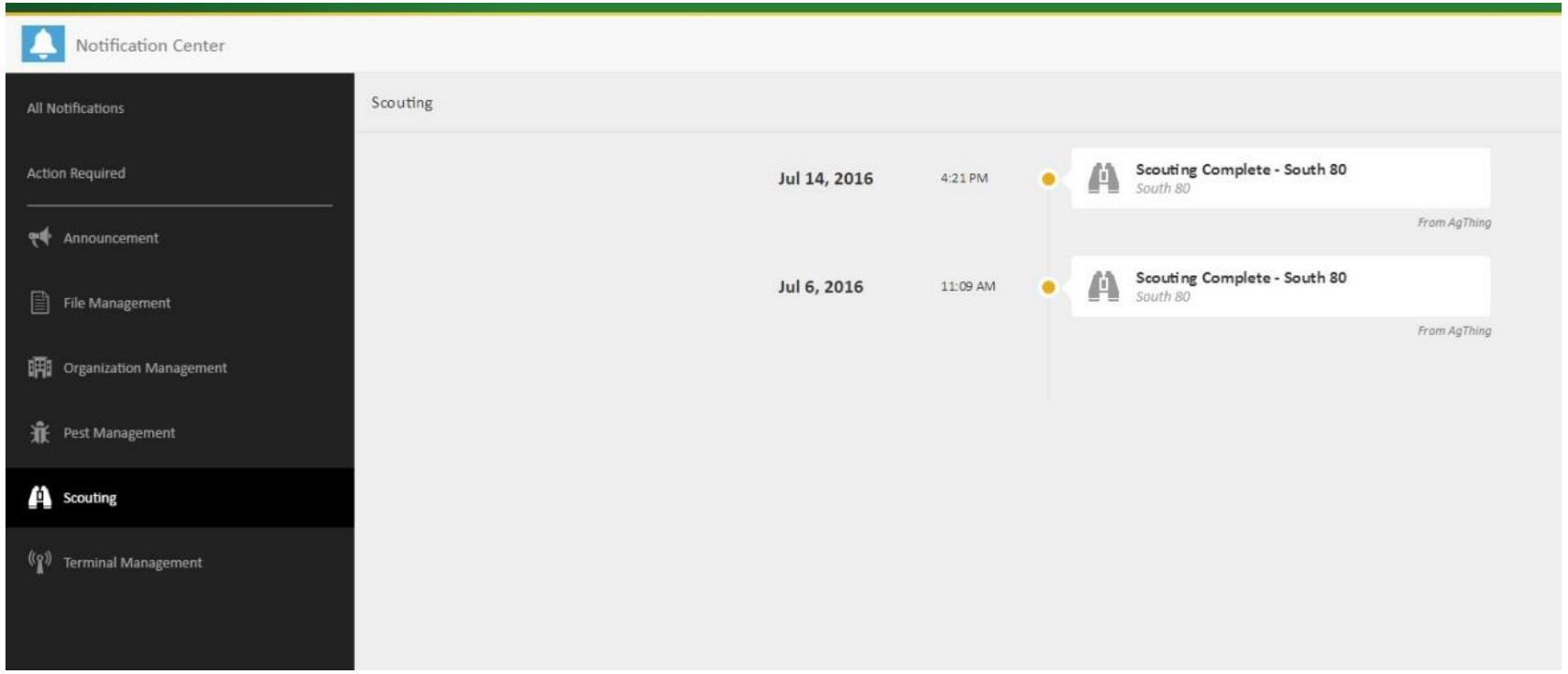
Notifications



Notification on assets within the Operations Center (Fields, Machines, Organizations)

Categories, Severities, Links back to your system, Branded to your Company

Field Analyzer

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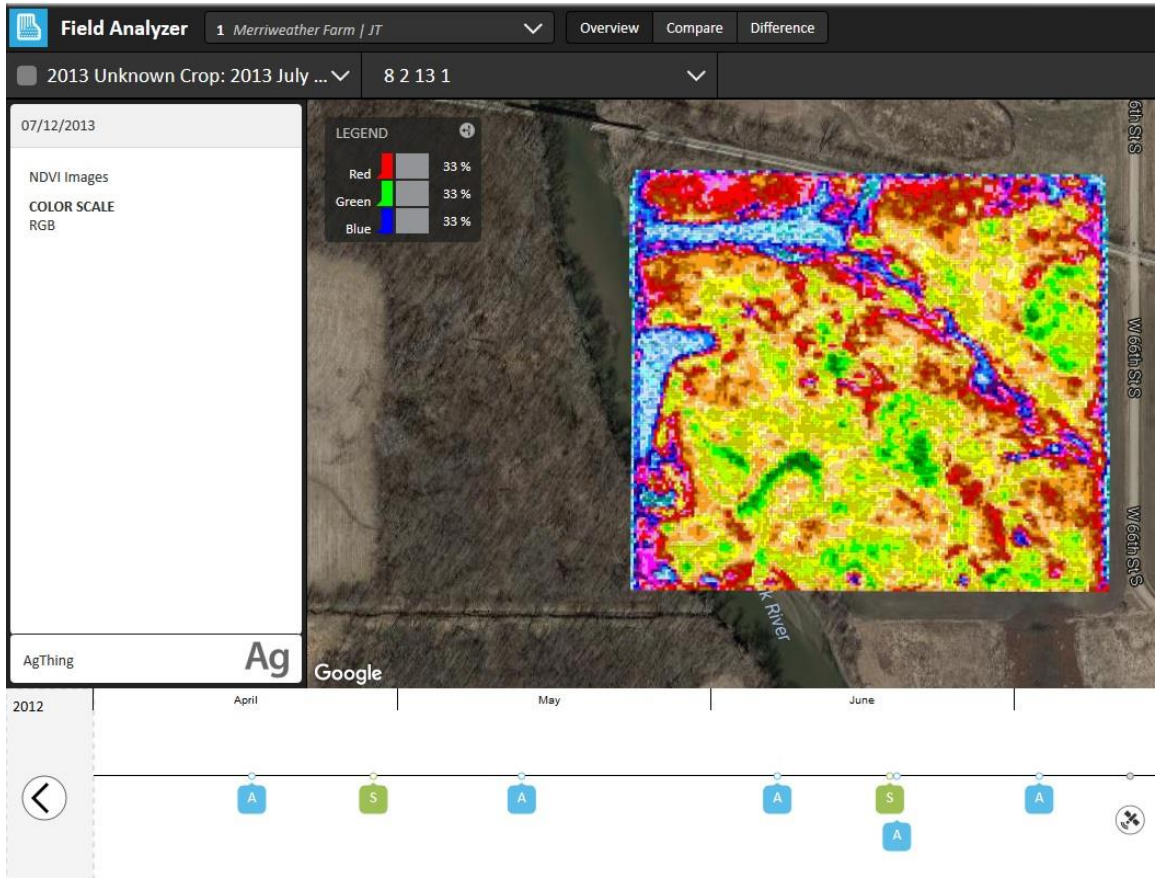
Field Layers

- Image Data about field
  - Drone
  - Satellite
  - Analysis
- Meta Data about Layers
- Multiple Layers available
- PNG or Shapefile as source
- Shows on timeline
- Branded for your company



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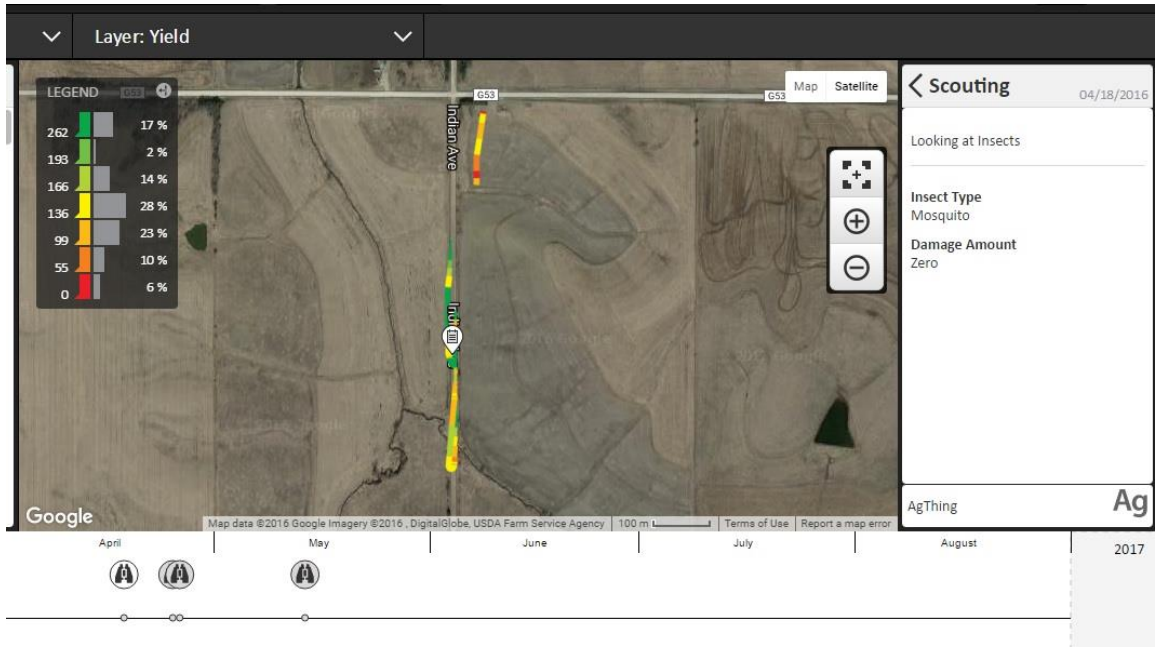
Field Notes



- Insights about Field
  - Scouting
  - Point based analysis
  - Pictures, PDFs, attachments
- Unique metadata available per Note
- Shows on Timeline
- Branded for your company

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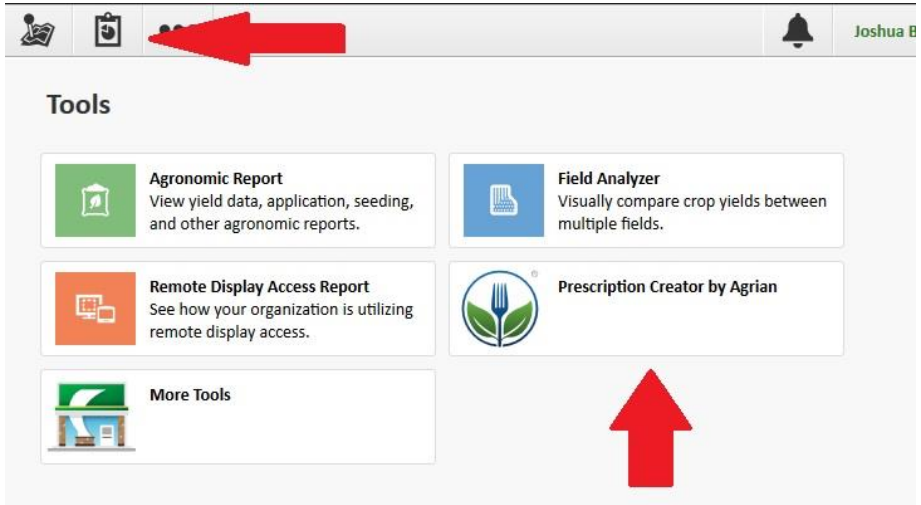
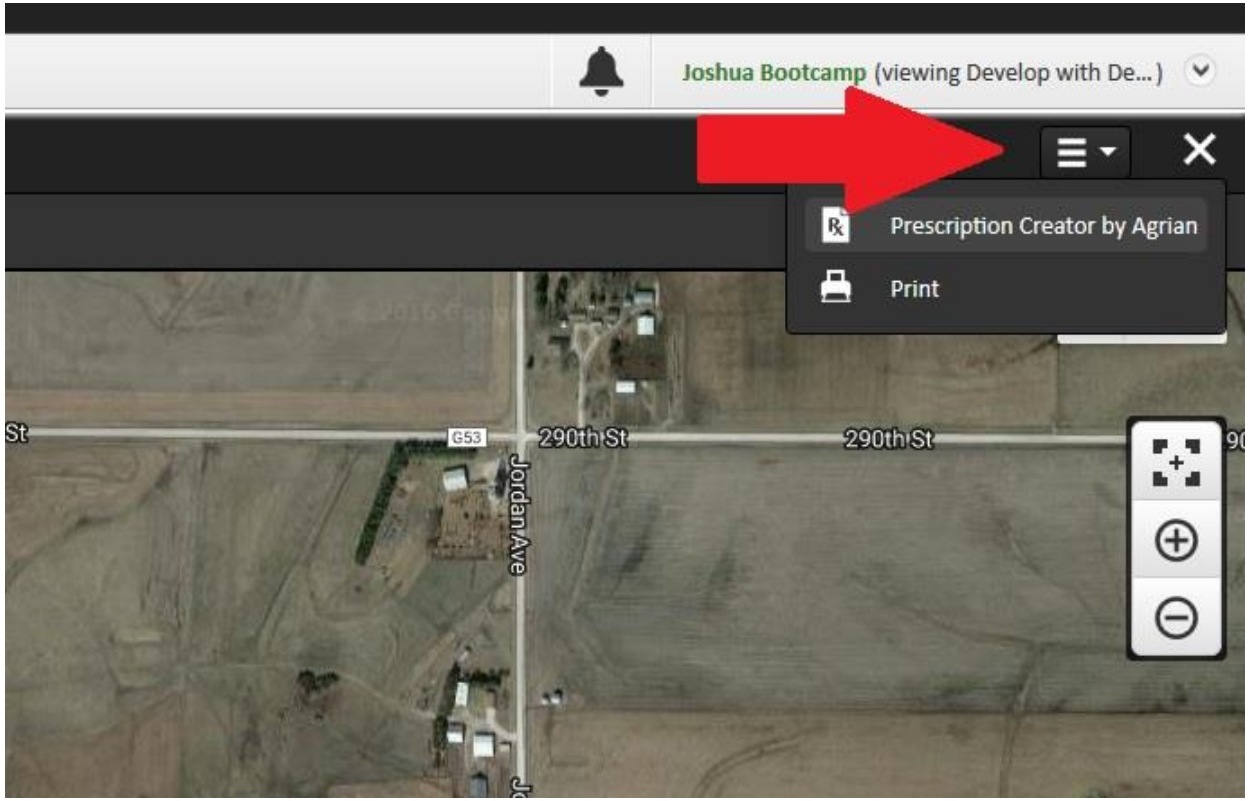
Links From Operations Center





- **Link to your software from Operations Center**
- **Let customers maintain context**

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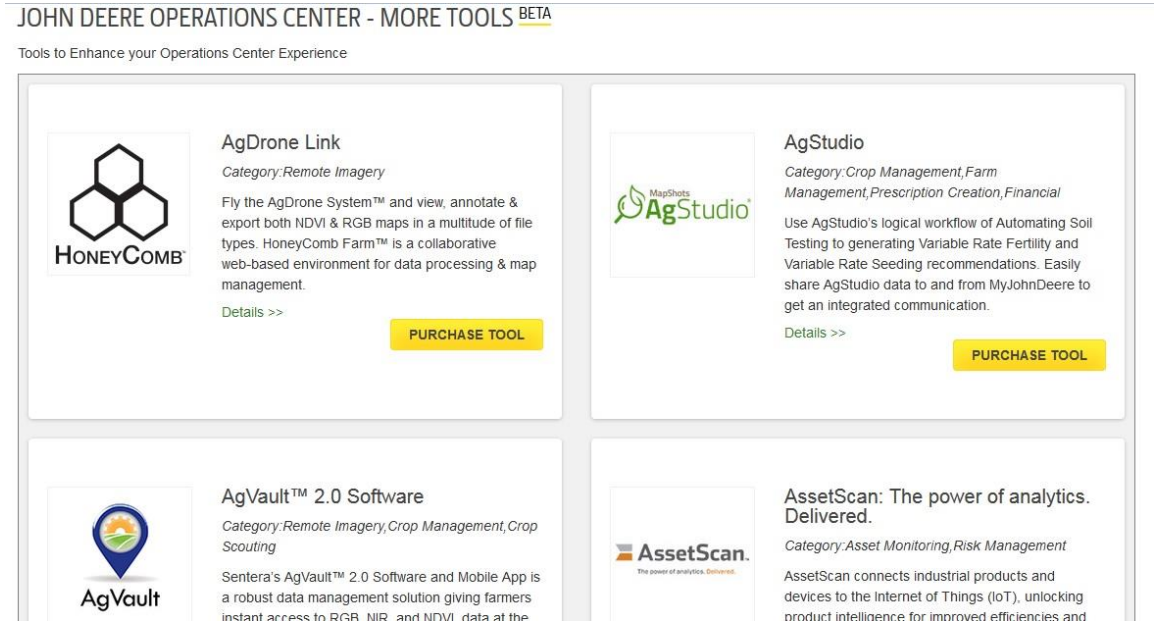
More Tools

- Advertise to John Deere customers and dealers
- Increase your Sales Funnel
- Requires commercially available software using MyJohnDeere APIs



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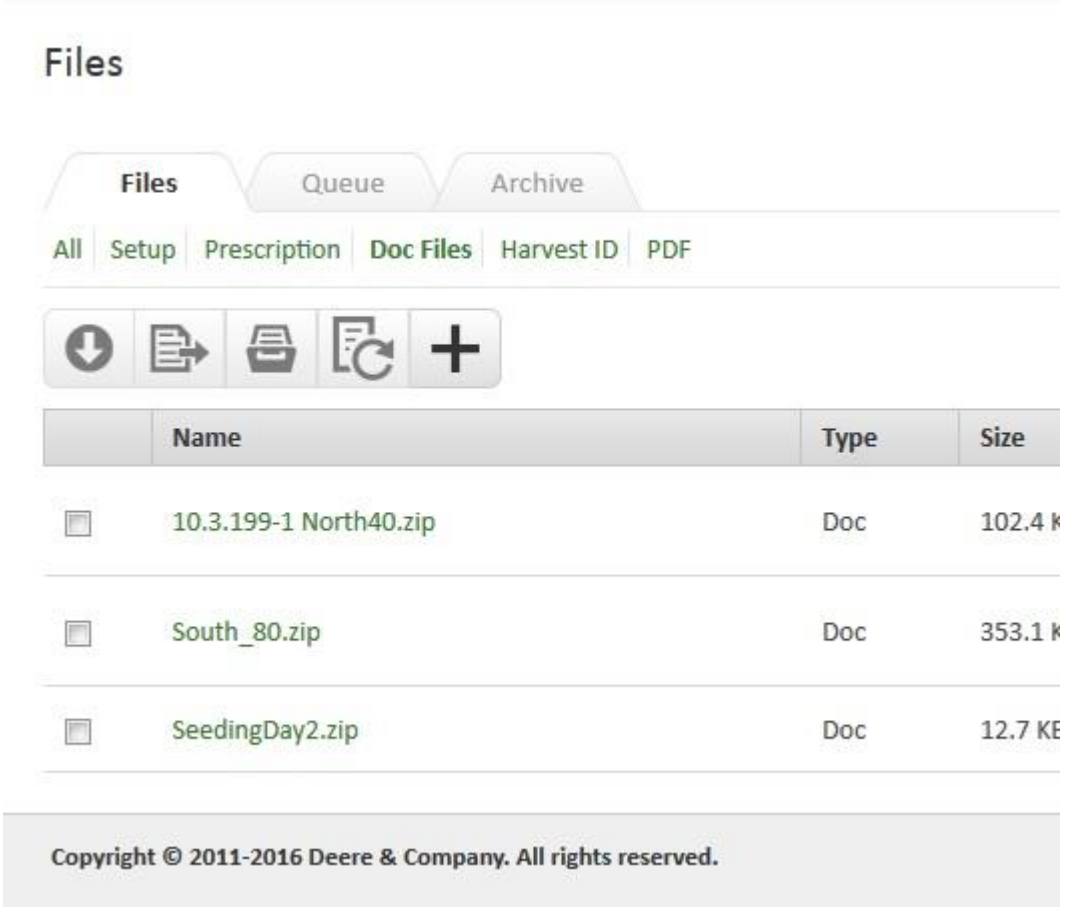
Organizations And Files



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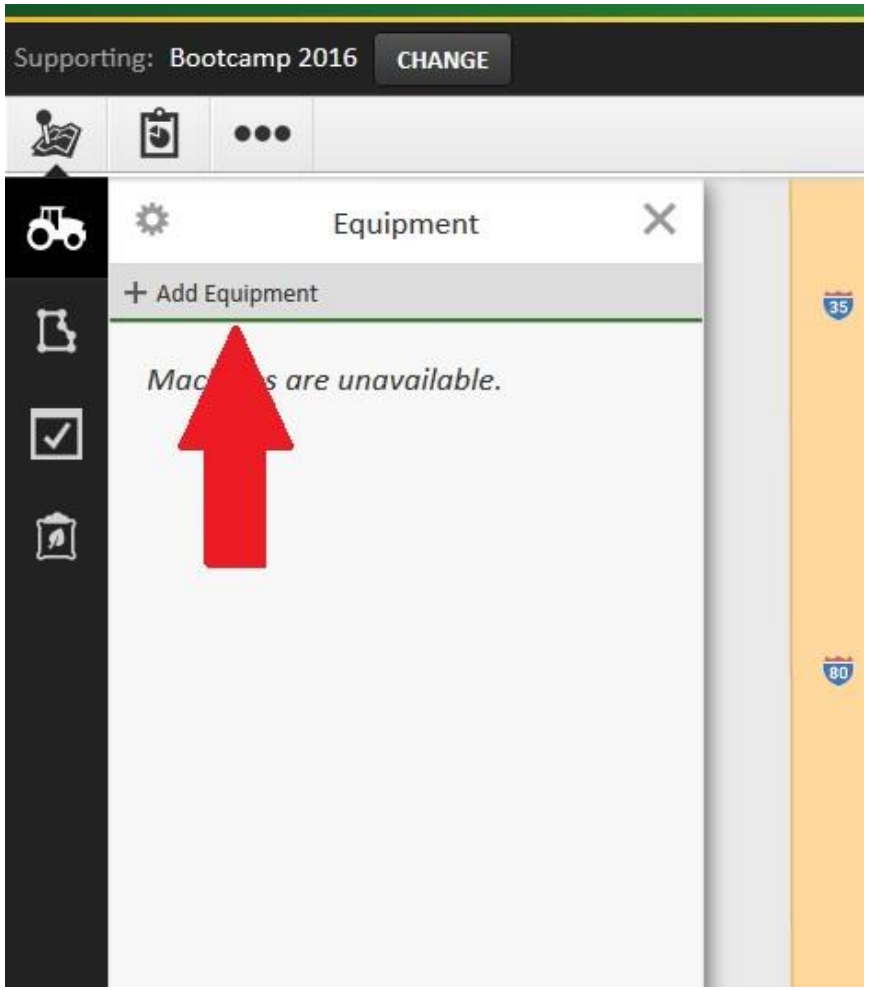
Add Machines and MyJohnDeere Demo Files



myjohndeeredemo.deere.com/files

- Login with your test ID
- Download Files
- Upload File to your own test org at my.deere.com/files

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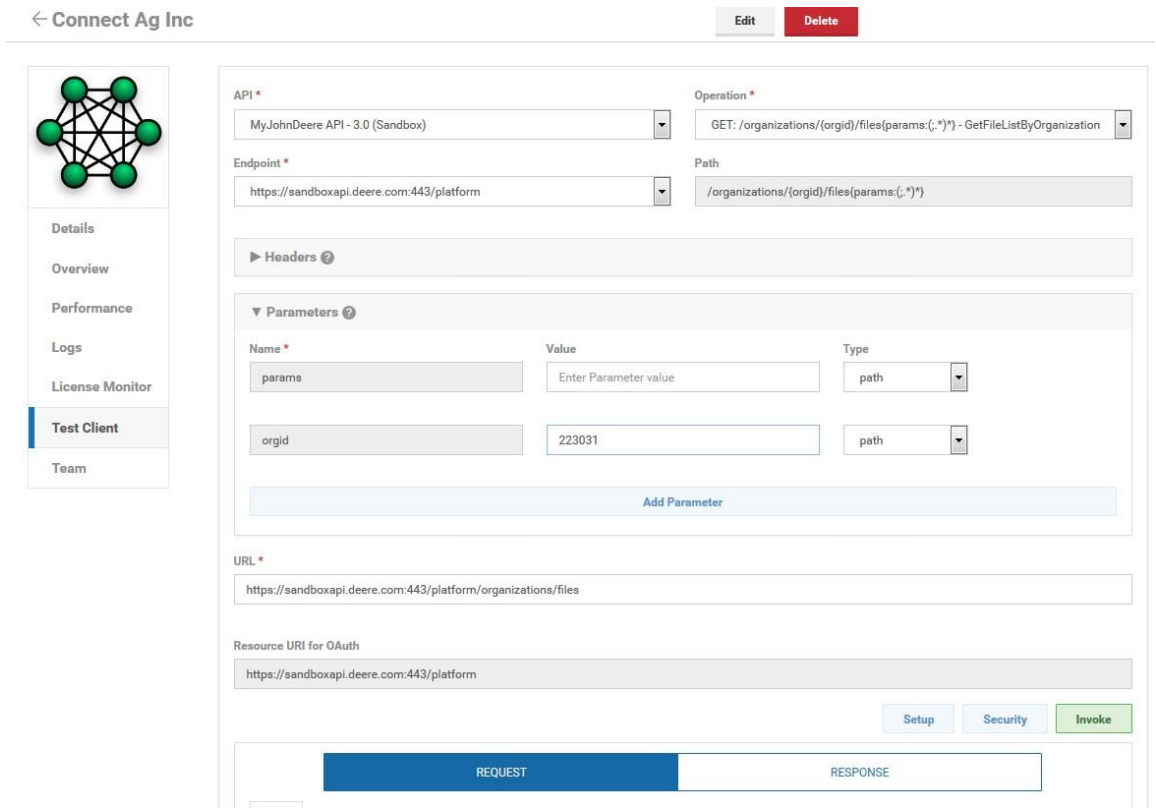
Test Out Call To Files



- developer.deere.com
- Open Application
- Test Client
- Security, OAuth
- GET /organizations/{orgId}/files
- Set orgID to 223031
- Invoke, see results

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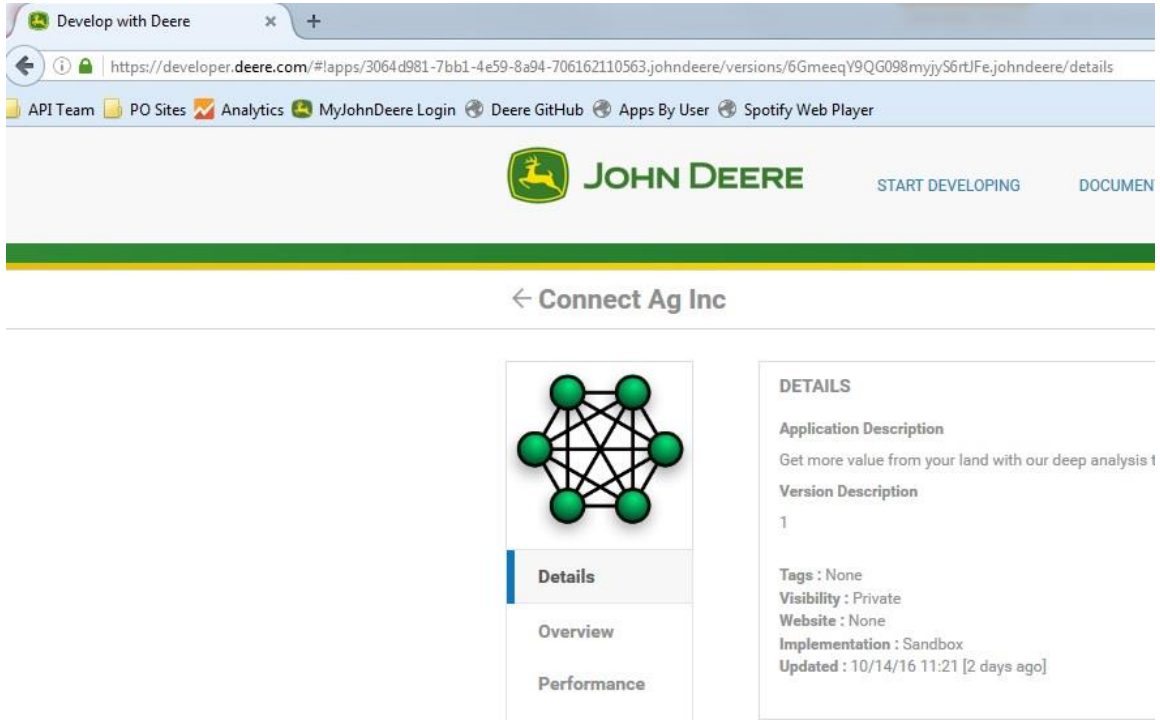
Request Access For More APIs

- Get URL of application
- Send URL to APIDevSupport@JohnDeere.com asking for more API access
- Wait



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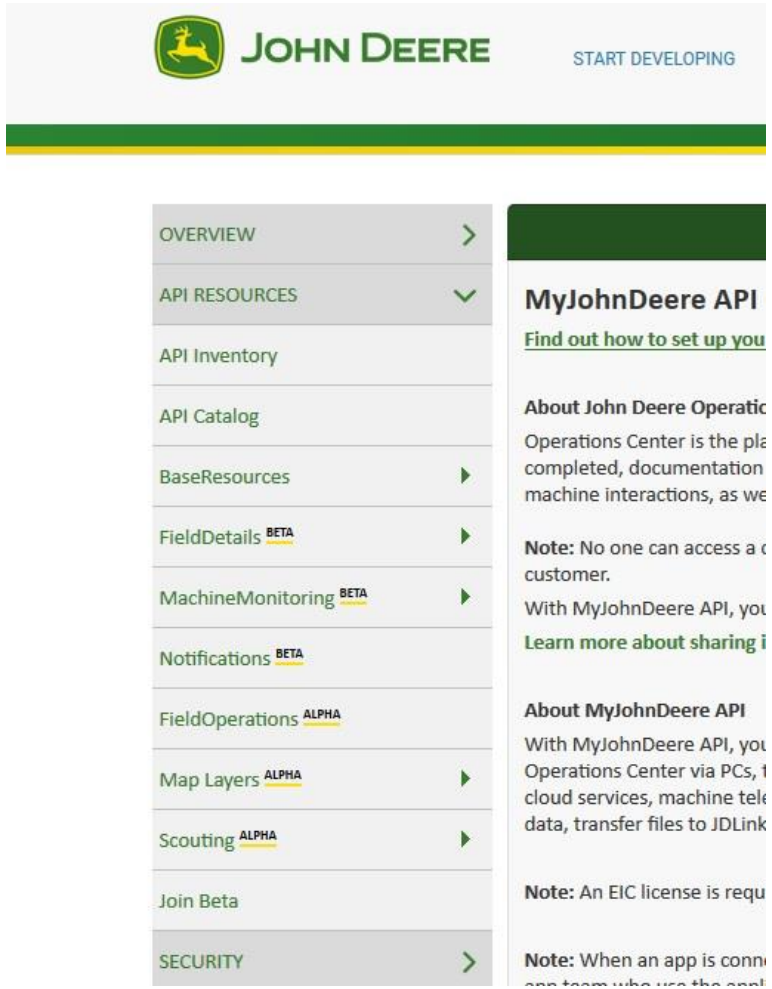
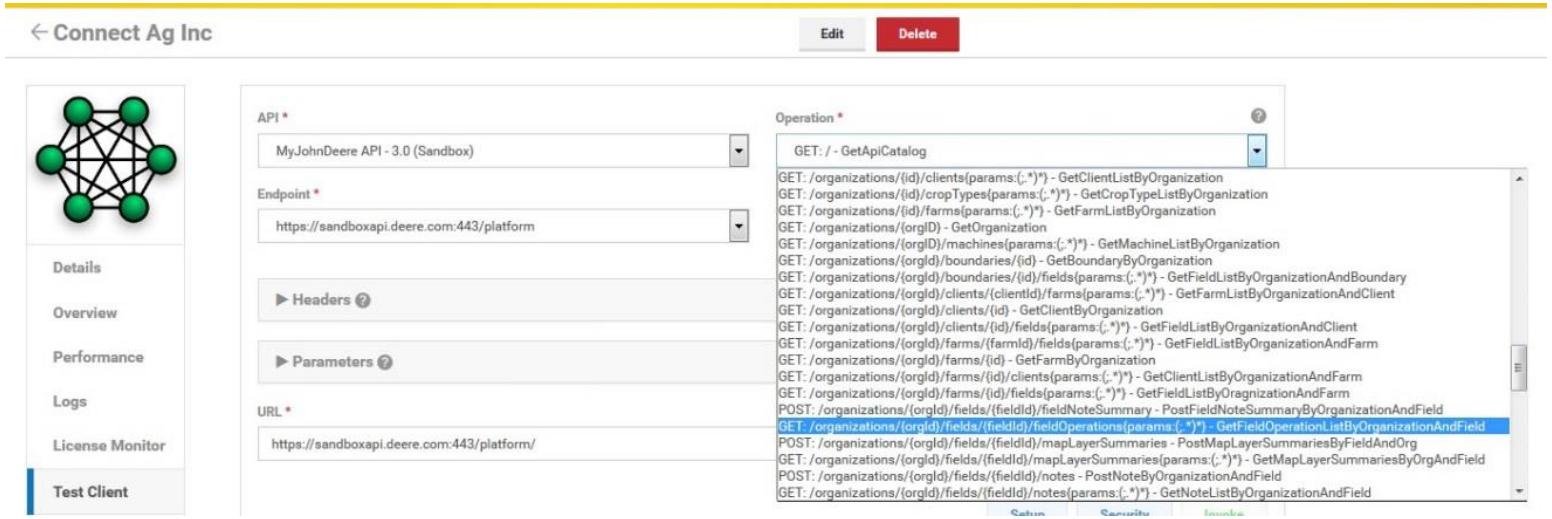
Intermission – Wait while Josh gets you access

Image created by J R
Source: https://flic.kr/p/m7xjoZ

Review and Verify expanded access





Documentation has Alpha

Application has more Operations available

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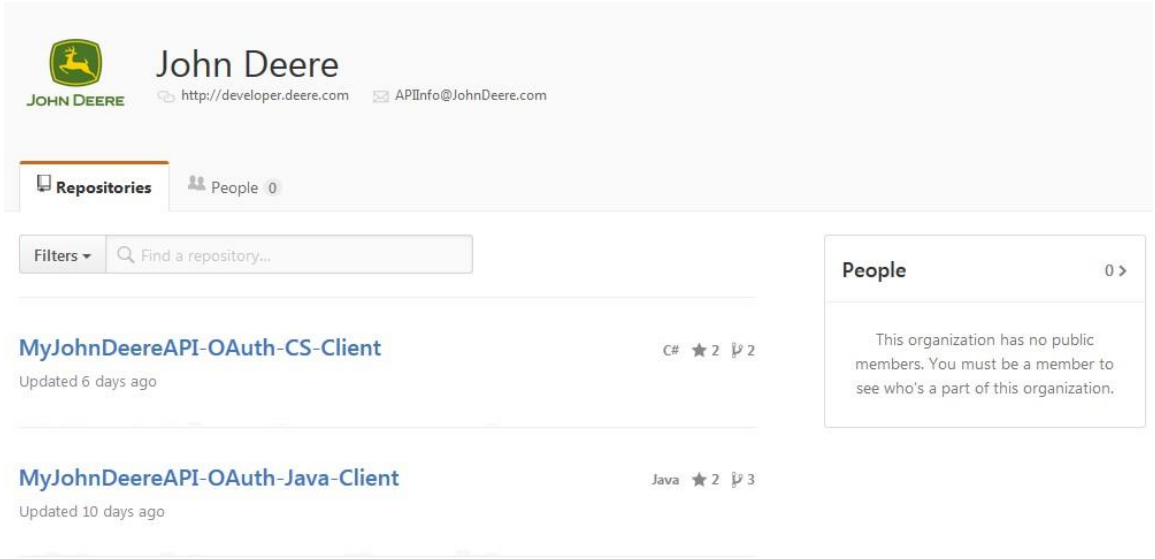
Checkout Samples

- Find Samples at github.com/JohnDeere
- Samples require Client Key And Secret
- All Samples get through OAuth
- Java Sample has best examples



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