

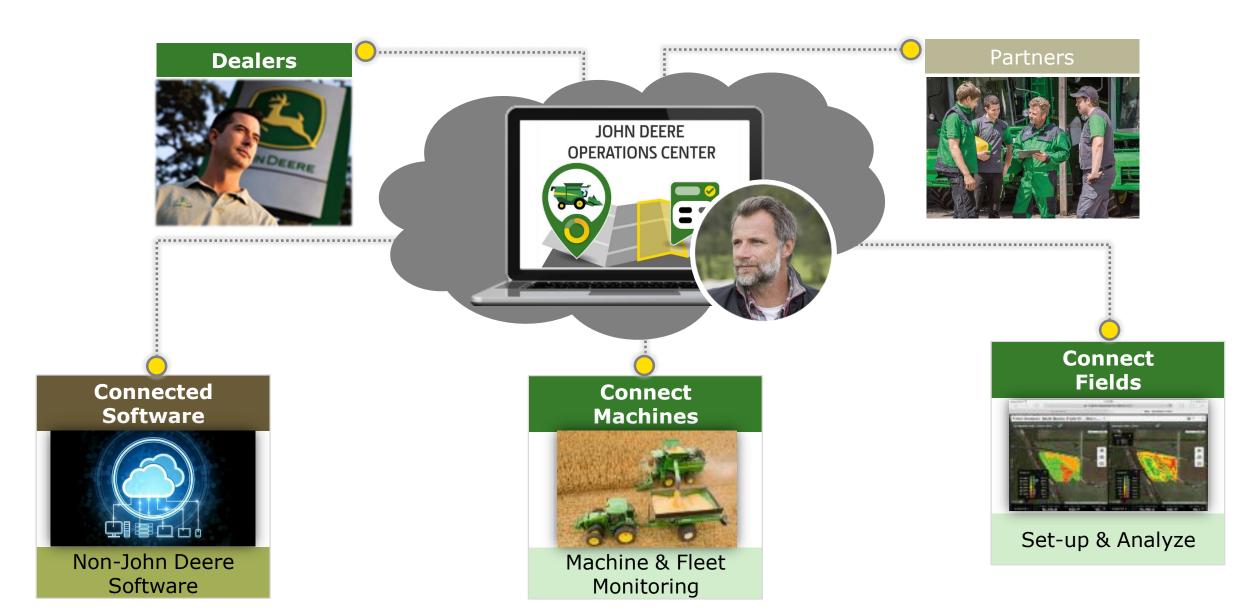
Agenda

Wednesday, December 4, 2019

- Understand how organizations are set-up and managed in John Deere Operations Center
- Understand how the organizational set-up impacts the data your software has access to
- Introduce how the changes in Oauth will pact your software



Connecting customers



MyJohnDeere user and organization concepts

MyJohnDeere user

Organization

Staff Member

A user creates a MyJohnDeere account to gain access to John Deere software, which creates a MyJohnDeere user.

Users can be added to organizations.

Data is stored at an organization level

Users are staff members in organizations. Permissions to data are granted at a staff member level.

A MyJohnDeere user can be a staff member of multiple organizations

Neuendorf Org (123)



Conner Org (456)



Within each organization, the staff member can have different access levels

Neuendorf Org (123)

Equipment Level 2

Org Management Level 1

Locations Level 1



Conner Org (456)

Equipment Level 1

Org Management Level 0



An organization can grant another organization access to data via a Partnership

McIntyre Org (789)

Dow Org (321)

Equipment

Level 1

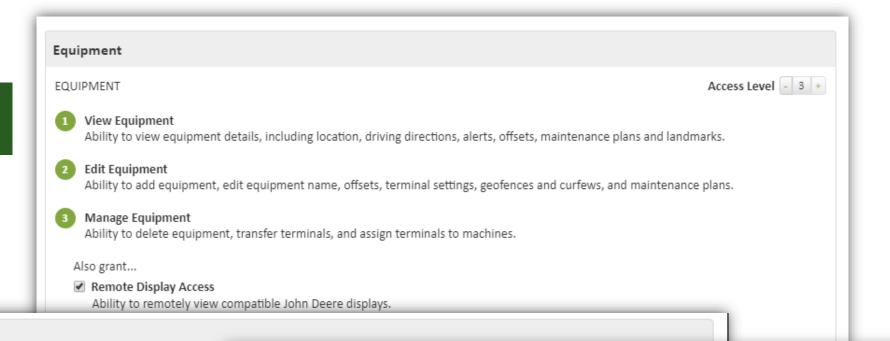
Org Management Level 0

Locations

Level 1

Partnerships are at the organization level, not staff member level

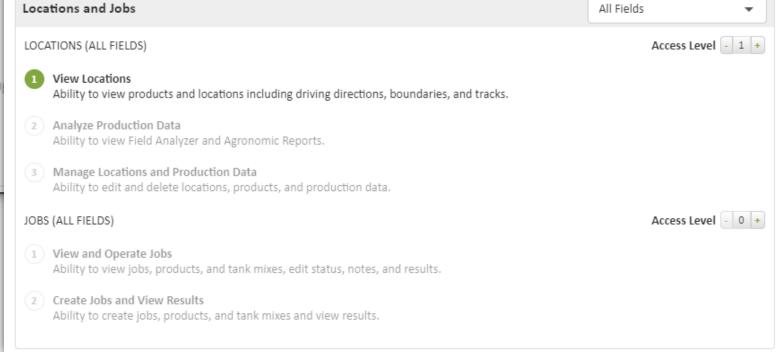
Org Level Permissions



Organization Management

ORGANIZATION MANAGEMENT

- View Staff, Operators, and Partners
 Ability to view organization staff, operators, and partners, including
- 2 Manage Staff, Operators, and Partners Ability to add, edit, and delete staff, operators, and partners.

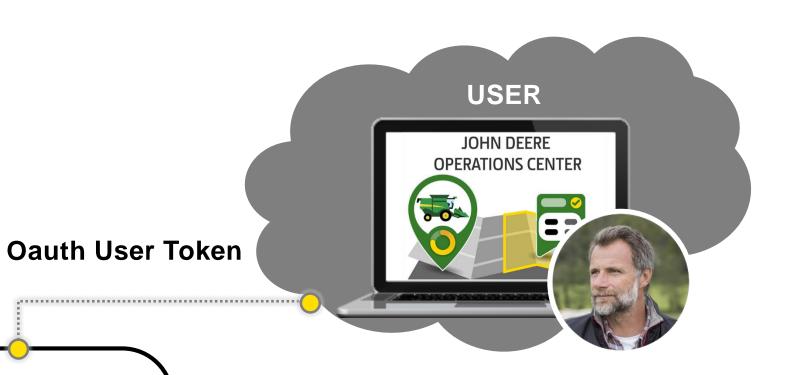






Oauth User Token

The security token grants the software access to data on User's behalf



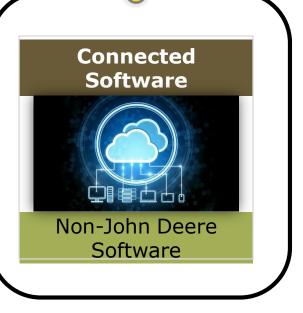


SECURITY TOKEN



Neuendorf Org

Org ID 123



SECURITY TOKEN



Neuendorf Org

Org ID 123

Ops Center Org

Conner Org

Org ID 456

Connected Software

SECURITY TOKEN

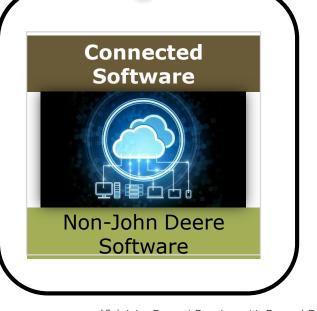


Software

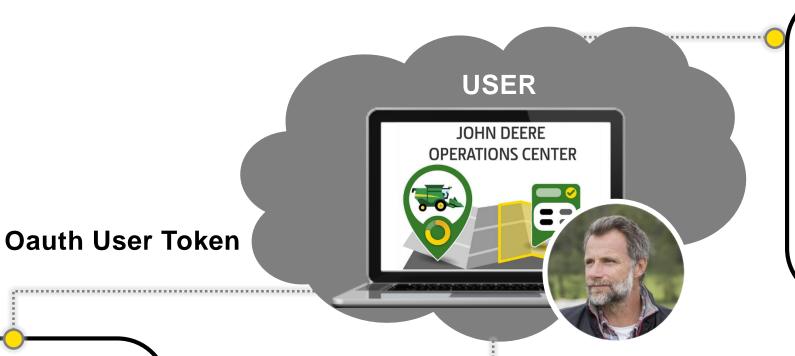


Level 2

Level 1



SECURITY TOKEN



Neuendorf Org (123)

Equipment Level 2

Org Management Level 1

Locations Level 1



SECURITY TOKEN

Ops Center Org

Conner Org (456)

Equipment Level 1

Org Management Level 0



GET /organizations /{orgID} /fields

View Fields in an Org

View a list of fields within a specified organization. For each field, the response will contain links to the following resources:

- boundaries: View the boundaries of this field.
- clients: View the clients belonging to this field.
- farms: View the farms within this field.
- owningOrganization: View details on the organization
- activeBoundary: View the details of the active bounda

Parameters

	Parameter	Туре	Example	Description	In	Required?
	orgID	string	1234	Organization.	path	Yes
1	fieldName	string	Field007	Filter by field name.	query	No
â	farmName	string	Smith Farms	Filter by farm name.	query	No
	clientName	string	John Smith	Filter by client name.	query	No
	status	string	ARCHIVED/AVAILABLE/ALL	ARCHIVED will return the archived fields in the organization. AVAILABLE will return the unarchived fields in the organization. ALL will return fields that are available in the organization.	query	No
	embed	string	clients, farms, boundaries	Include into the field response the requested objects. Possible values include clients, farms, boundaries, simplifiedBoundaries and activeBoundary.	query	No
	x-deere- signature	GUID	9r839261-5e4b-4e1c- 9201-8026f47109bb	x-deere-signature should be managed by the client per user per API. For a new user/new API, the first request will have a blank value for x-deere-signature. Changes can be tracked with the x-deere-signature returned in the response. If the response has not changed since the last API call, the value of x-deere-signature is not changed and the client should use the same GUID next time.	header	No



GET /organizations/{orgID}/fields



Ops Center Org

Neuendorf Org (123)

Equipment Level 2

Org Management Level 1



List of fields returned for org 123



Ops Center Org

Neuendorf Org (123)

Equipment Level 2

Org Management Level 1



GET /organizations/{orgID}/fields



Ops Center Org

Neuendorf Org (123)

Equipment Level 2

Org Management Level 1

Locations Level 1

Ops Center Org

Conner Org (456)

Equipment Level 1

Org Management Level 0



List of fields returned for org 123



No fields returned for org 456

Ops Center Org

Neuendorf Org

Equipment Level 2

Org Management Level 1

Locations Level 1

Ops Center Org

Conner Org

Equipment Level 1

Org Management Level 0

We are changing from Oauth 1.0 to Oauth 2.0 to improve

ease of use

for you and our mutual customer.





Data Connections Summary

- Customers have complex networks to manage. John Deere's platform helps to make those connections easy.
- As a Connected Software Company you do not need to form a partnership with the user. The user will authorize your software to access his data on his behalf.

 Understanding the data your user has access to will help you understand the data that is returned to your software.

JOHN DEERE