

Data Subscription Service (DSS)

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Agenda

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- What is Data Subscription Service
- Why use DSS
- When would I use DSS
- How do I use DSS
- Managing DSS
- Demonstration

What is Data Subscription Service (DSS)?

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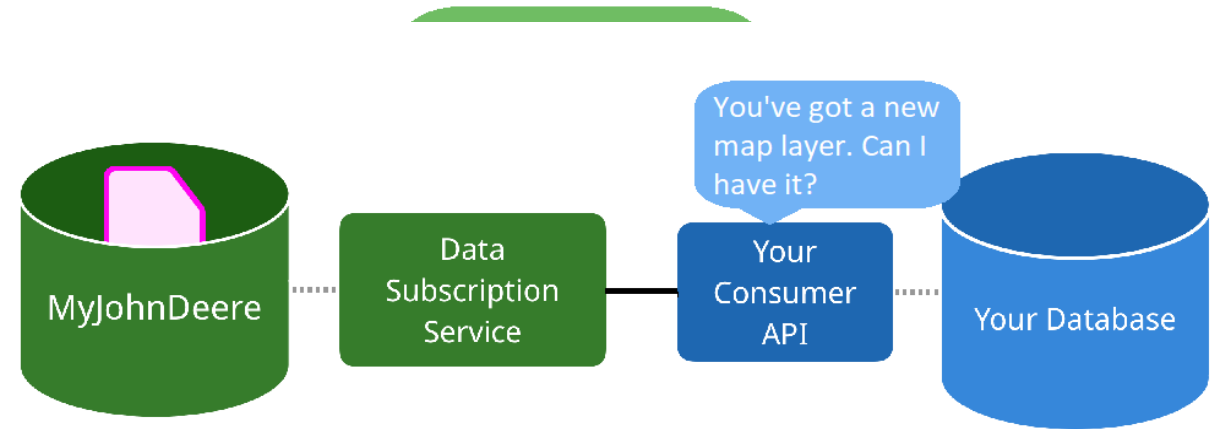


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What is Data Subscription Service (DSS)?

- Webhook style notification
 - A Consumer sets up a subscription and listens for data changes in MyJD
 - DSS notifies the Consumer there has been a change in data
 - The Consumer requests new data from MyJD
 - MyJD sends new data





Why should I use DSS?

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Why should I use DSS?

Benefits

- Reduce calls
- Reduced latency
- Reduce work
- In the example to the right, calls could be reduced by 90% or more

Example:

Connected Software asks MYJD if there is new data

- Asks for every customers' fields every 5 minutes
- If software supports 10,000 fields, that is over 1 billion calls per year
- Most calls produced “no change” response

When should I use DSS


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When should I use DSS?

- Do you currently poll for new data?
 - Do you use one of the following APIs?
 - Heartbeat
 - Field Ops
 - Client, Farm, Field
 - Guidance
 - Boundaries
 - Product
 - Contributed Map Layers
 - What else would you like to get through DSS?
- 
- The diagram uses curly braces to group the APIs under the 'Do you use one of the following APIs?' question. A brace groups 'Heartbeat' and 'Field Ops' with the label 'Currently Available'. Another brace groups 'Client, Farm, Field', 'Guidance', 'Boundaries', 'Product', and 'Contributed Map Layers' with the label 'Coming Soon!'.
- Currently Available**
- Coming Soon!**

How do I use DSS?

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How do I use DSS?

- Go to developer.deere.com
- Obtain a DSS endpoint license
- Create a delivery endpoint
 - Follow the standards for an endpoint defined on DD.com
- Select an event to subscribe to (start with heartbeat for testing purposes)
- Subscribe to the event
- Test heartbeat subscription in your environment
- Create subscriptions to other event types

Managing Subscriptions

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Managing Subscriptions

- Delivery Options
 - Pausing a subscription
 - Max event history
 - Duplicate events
 - Concurrent deliveries
 - Max event batch size
- Edge Conditions
 - Permission change
 - What happens and how should an app respond...
 - Event delivery failure
 - What happens and how should an app respond...

Demonstration



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Demonstration

Data Subscription Service Demo

User: miker01a | [Logout](#)

Heartbeat Subscription

MAKE A HEARTBEAT SUBSCRIPTION 

Field Operation Subscription

Organization Ids

Field Ids

Crop Seasons

Field Operation Types

MAKE A FIELD OPERATION SUBSCRIPTION

Update Subscription

Subscription ID

Subscription Request/Response

Live Received Events

PAUSE

CLEAR

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Q&A / Feedback

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