PL22063 - Fusion Lifecycle's Evented Web Is Off the Hook

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Key learning objectives

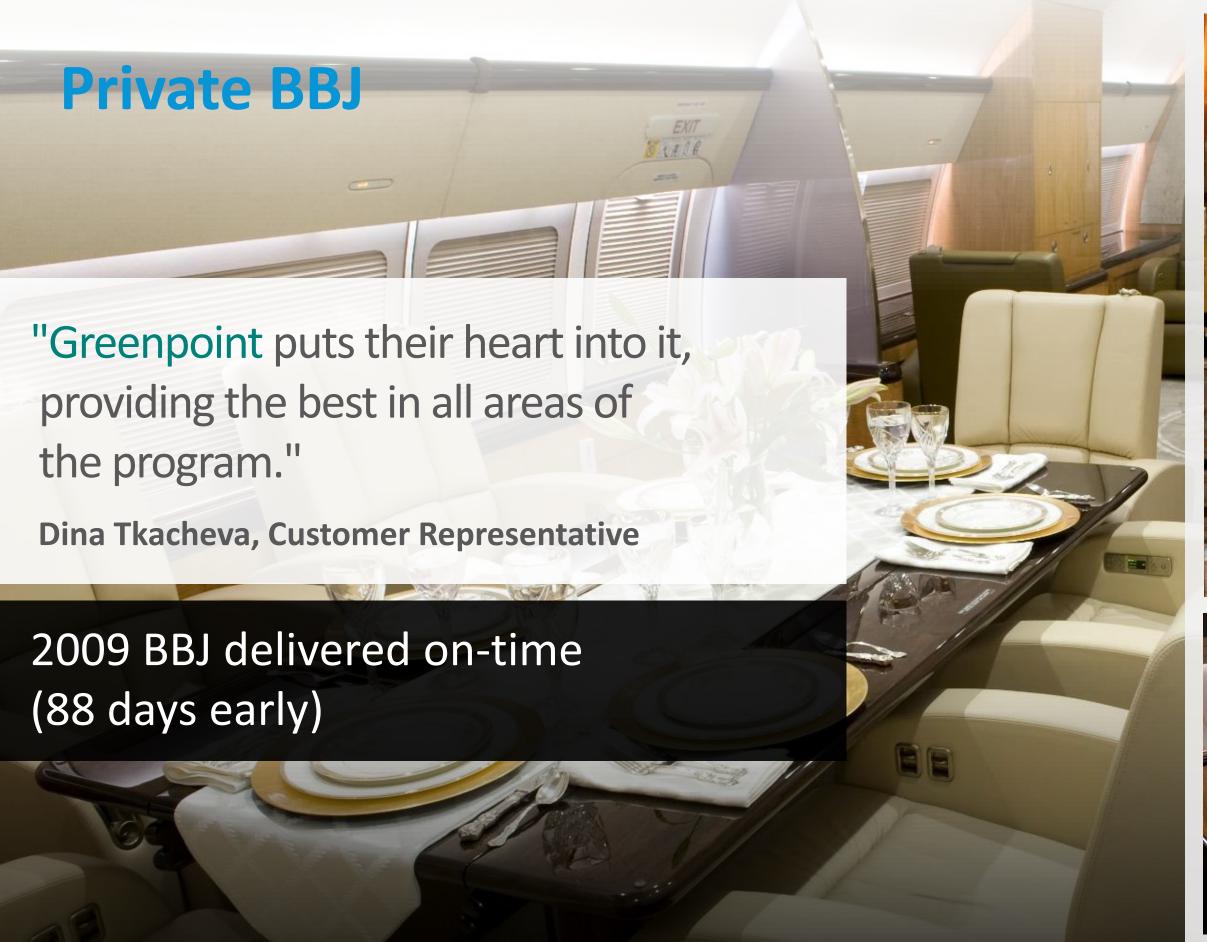
At the end of this class, you will be able to:

- Learn how to move past custom APIs and middleware integration approaches
- Address costly product customizations
- Learn about avoiding unique specialized product integrations
- Learn how to eliminate complex point-to-point connections



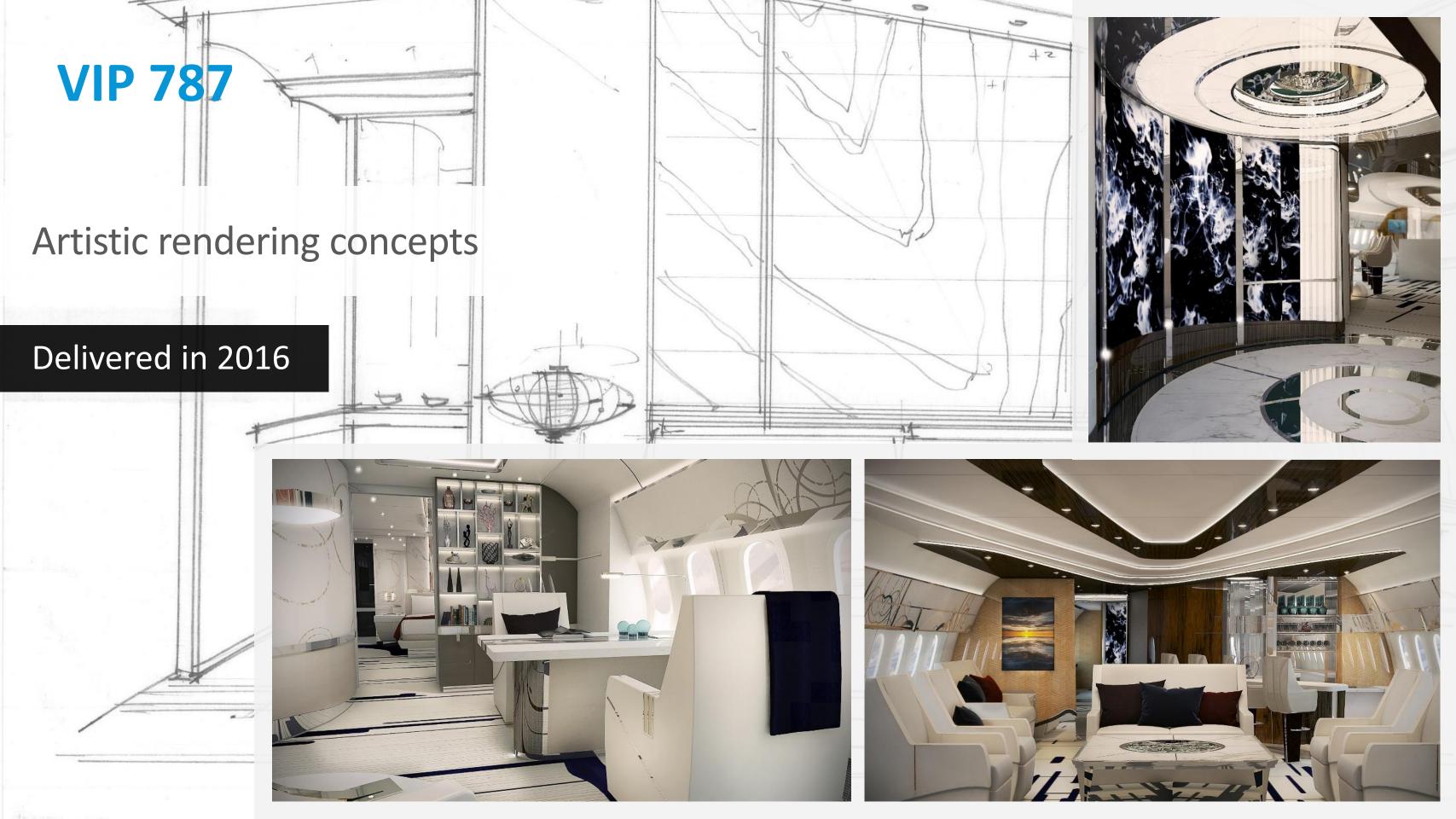










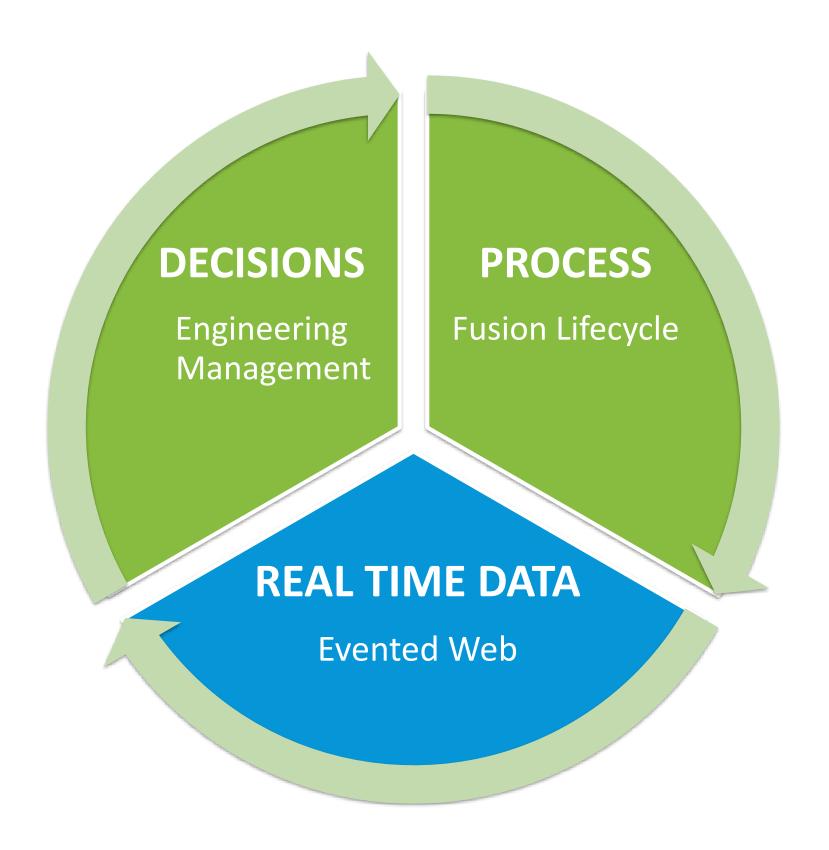










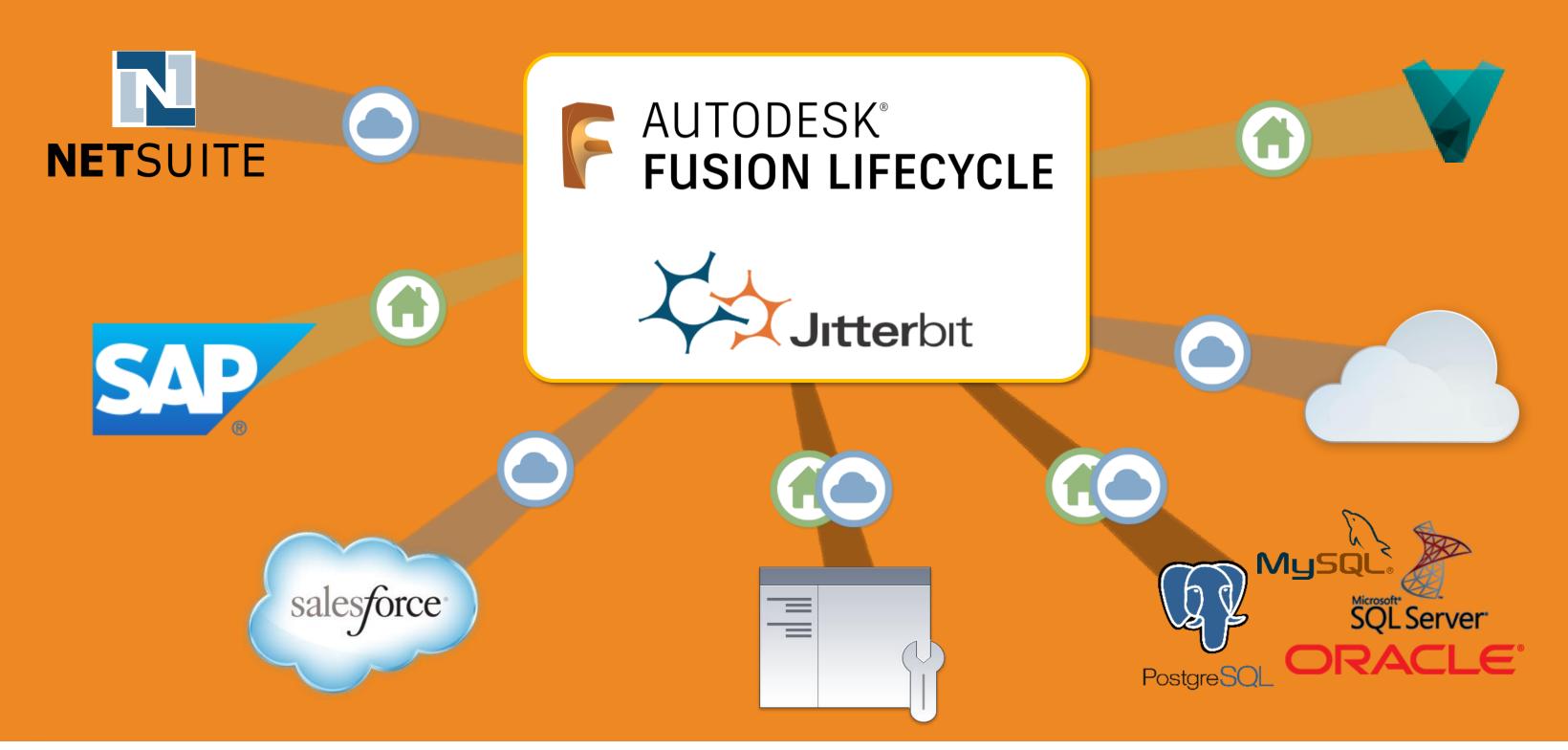








Integration is Key







Integrate with Everything





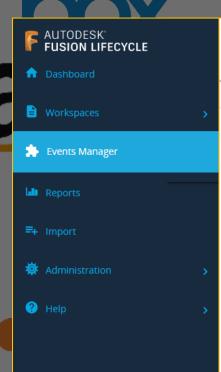


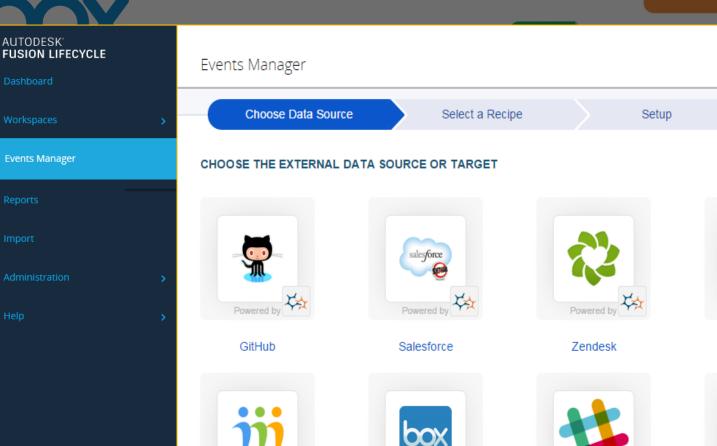




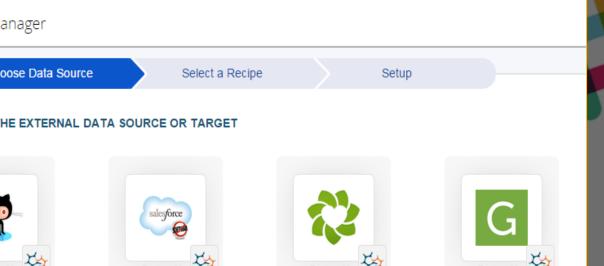


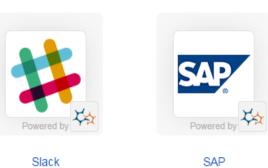






Jira









Geckoboard









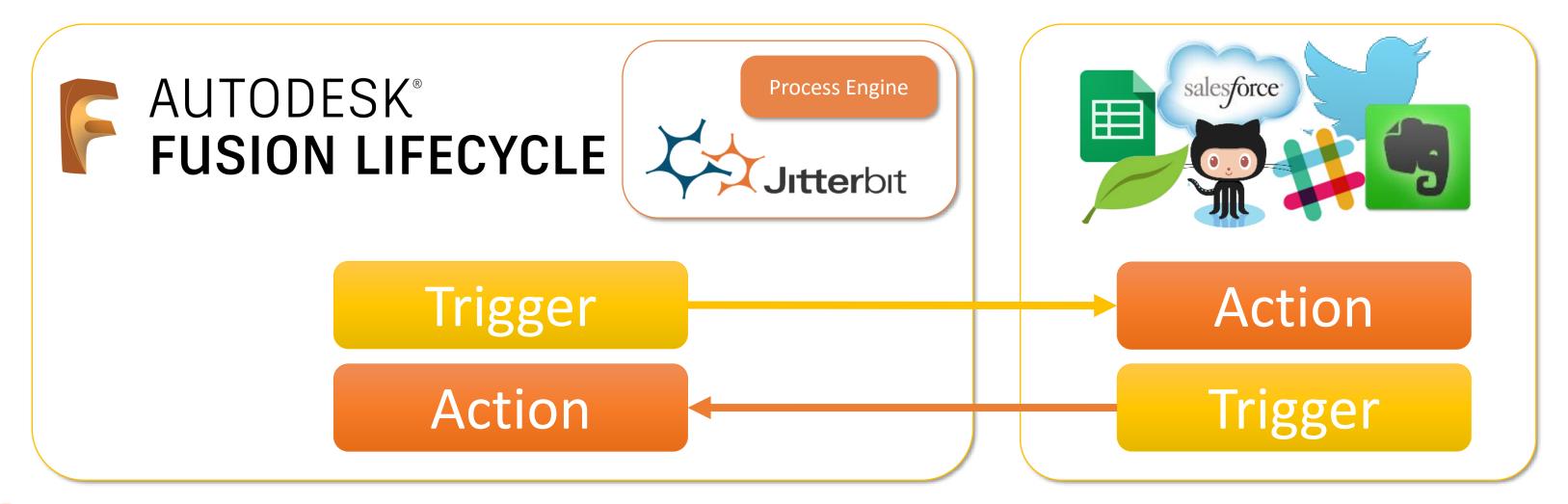


Evented Web

Affordable, easy to deploy and use integration solutions!

Addresses these major obstacles:

- Costly customizations
- Unique integration implementations
- Numerous complex point-to-point connections







- Scripting/Custom API
- Middleware
- Evented Web



- Scripting/Custom API
 - Moderate to impossible
 - Timeouts
 - Need a Developer
- Middleware
- Evented Web



- Scripting
- Middleware
 - Simple to Complex
 - Need an Expert
- Evented Web

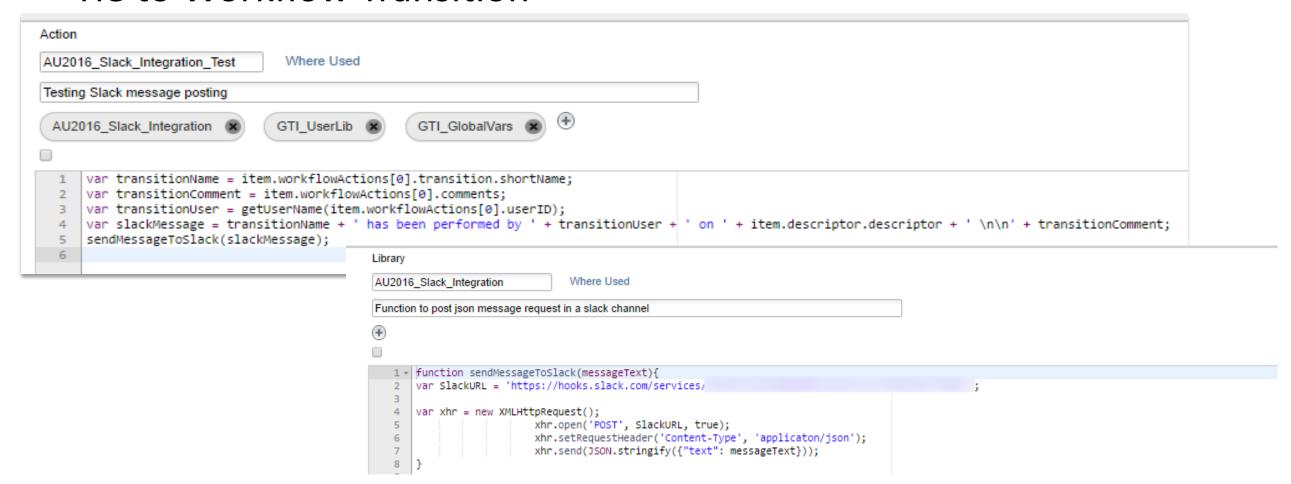


- Scripting
- Middleware
- Evented Web
 - Point and Click
 - Need a person who can point and click



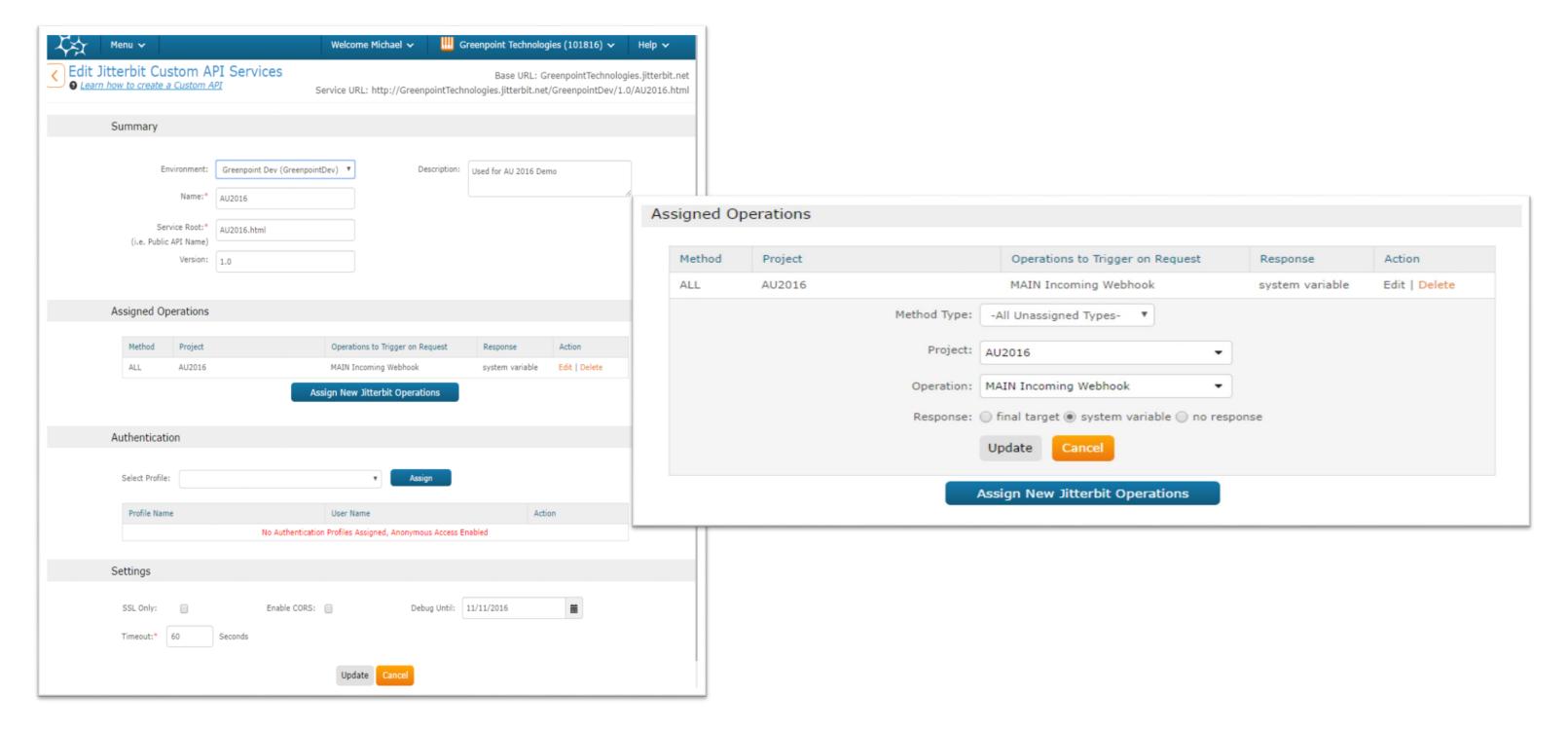
Scripting – Sending a message to Slack

- Establish Incoming Webhooks Integration on Slack
- Create Action and Library Script
- Tie to Workflow Transition



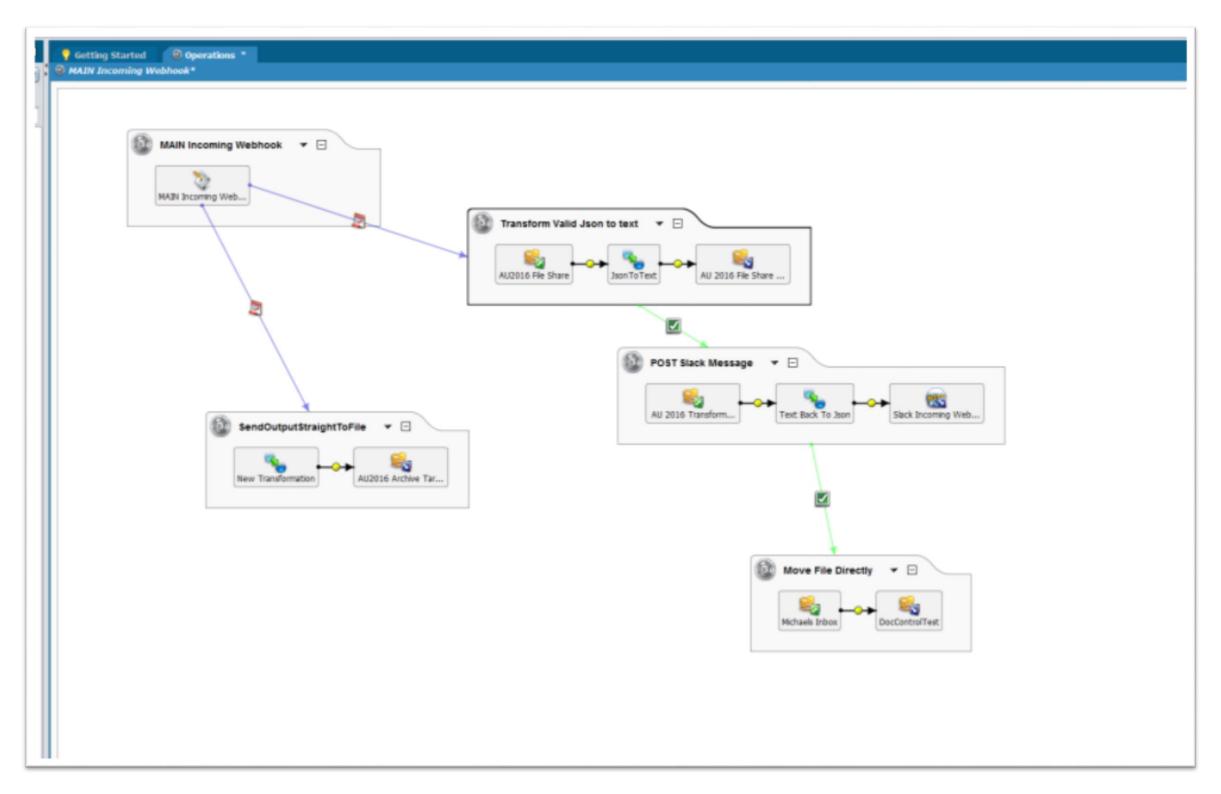


Jitterbit Harmony API



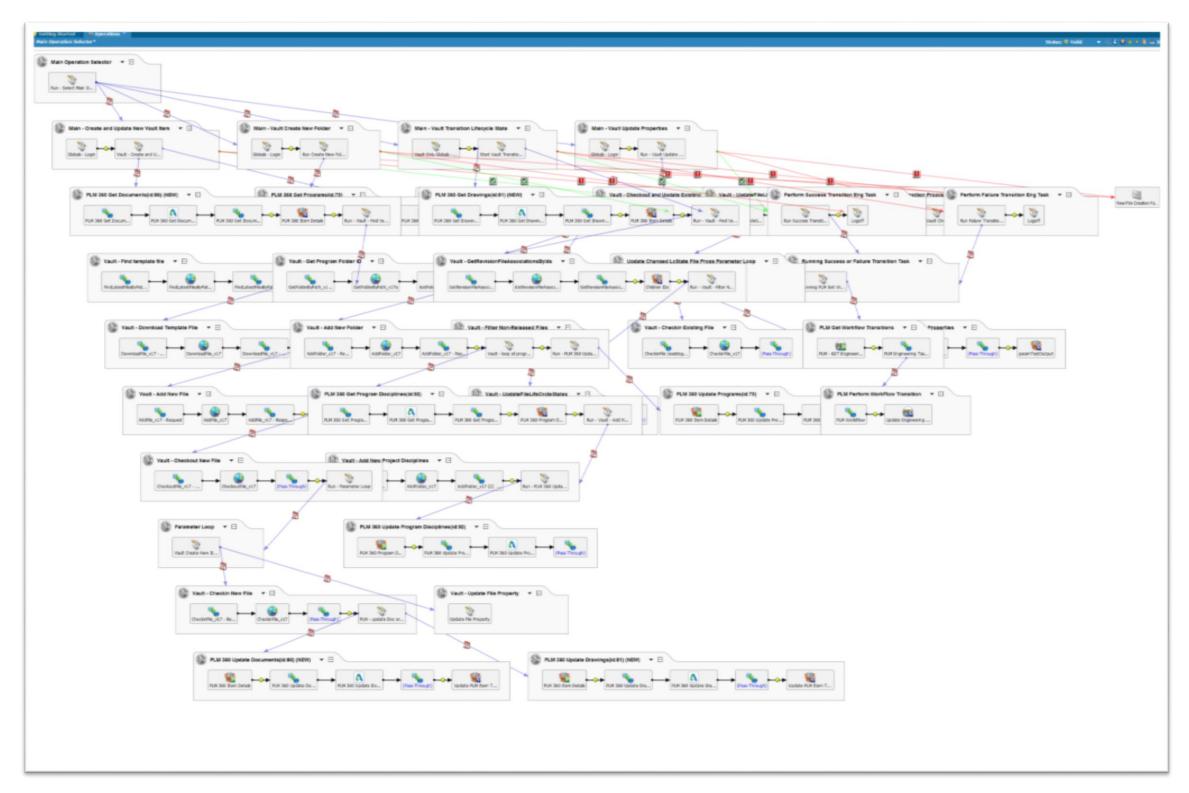


Middleware can range from simple



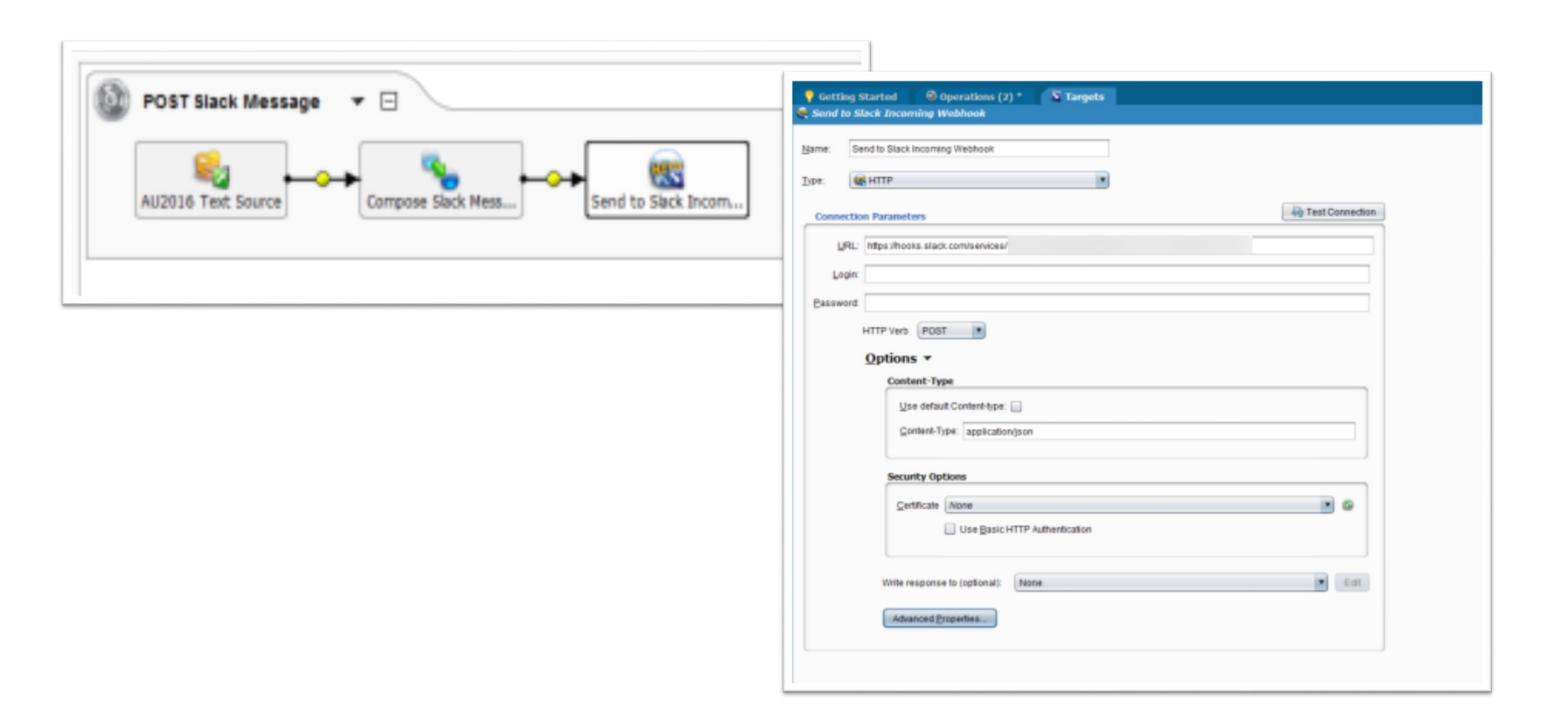


To complex



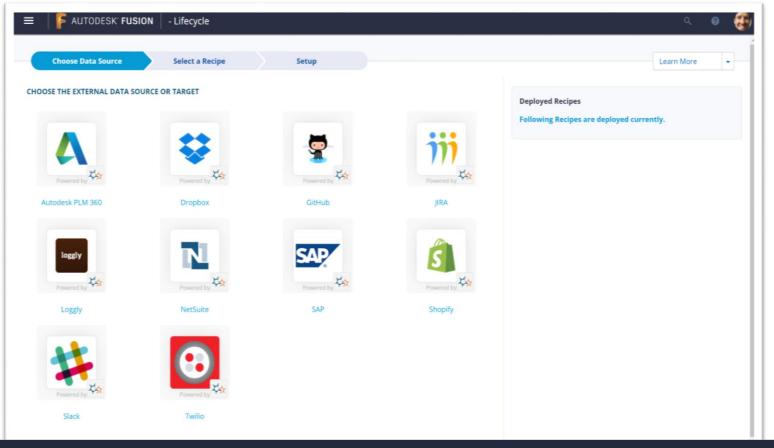


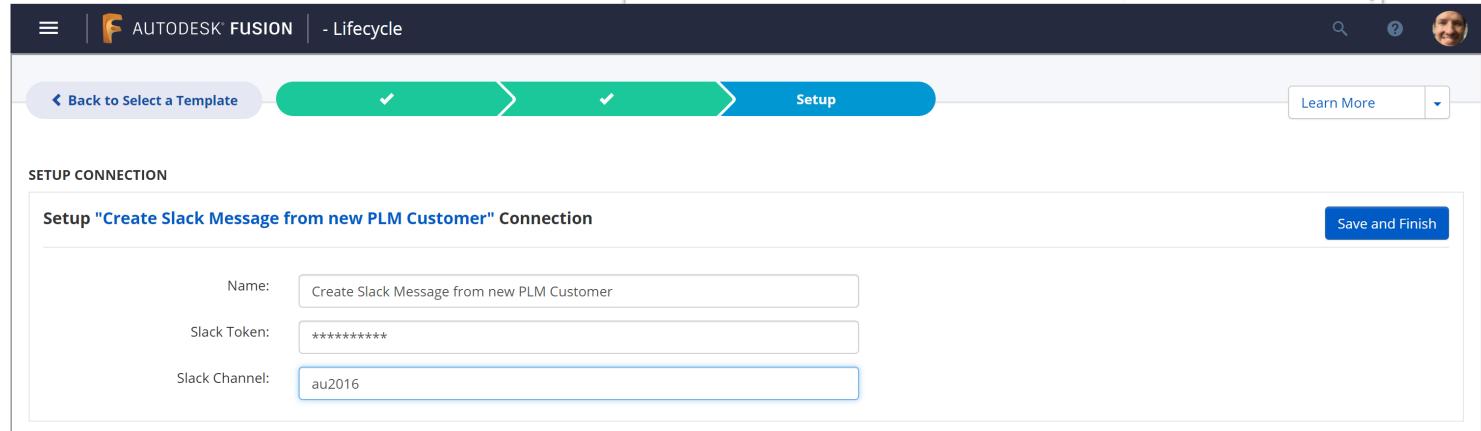
Jitterbit - Sending a message to Slack





Evented Web – Sending a message to Slack





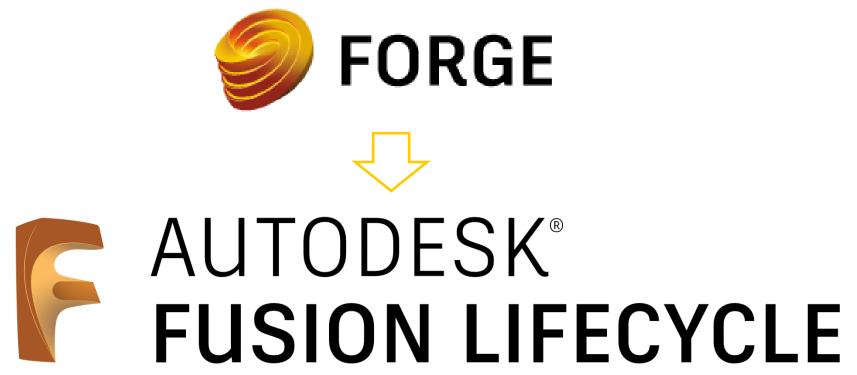




There is no simpler way



- Authenticate
- Register
- Transform

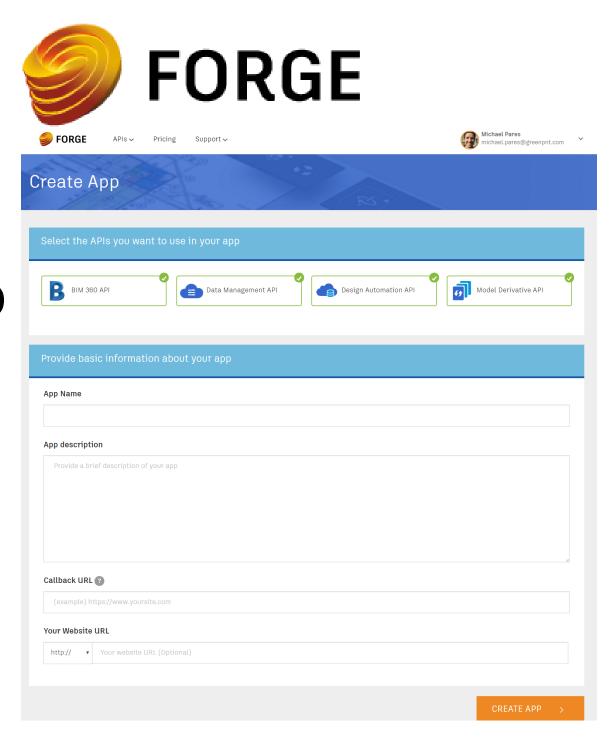






Authenticate

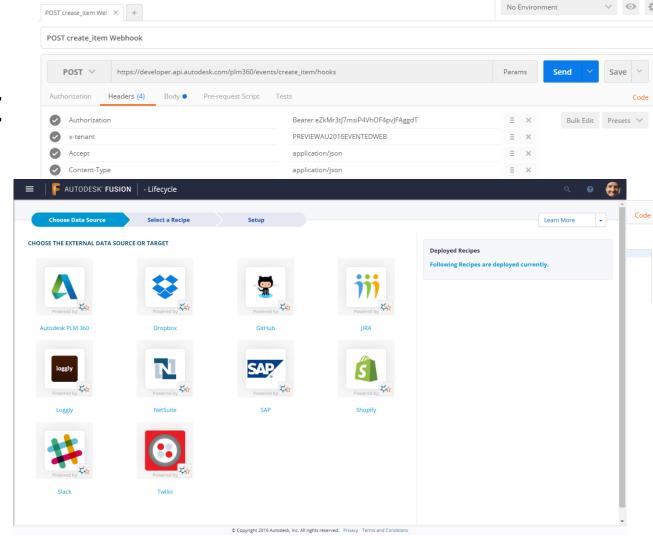
- Create an App on forge.Autodesk.com
- Request a token using App Client ID and Secret
- Enter credentials and receive token
- Register
- Transform





- Authenticate
- Register
 - Use token in header
 - POST a webhook for a specific event type
 - Specify callbackUrl, tenant name, workspace id in body
 - Specify workflow transition id using filter
- Transform



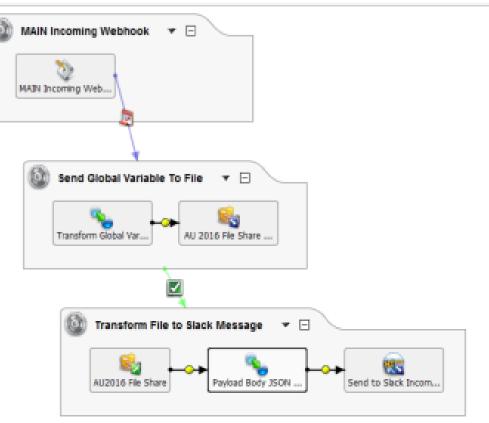


AUTODESK



- Authenticate
- Register
- Transform
 - Fusion Lifecycle Triggers an Event
 - Receive the payload at the callbackUrl
 - Transform the payload to utilize as data source
 - Send api requests or data to any target you choose





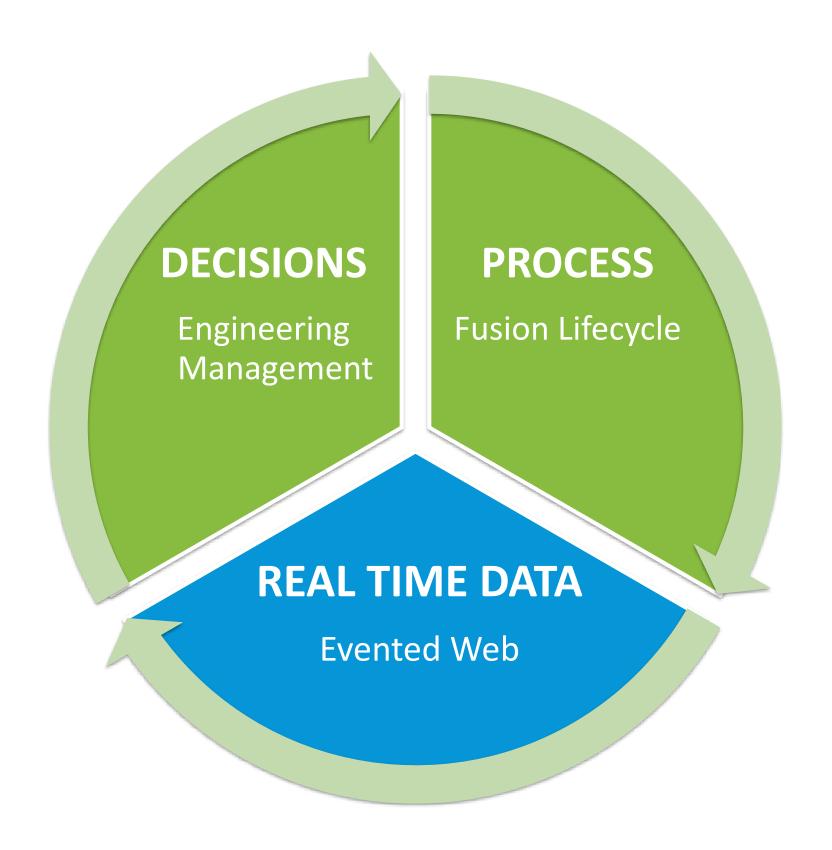


Demo



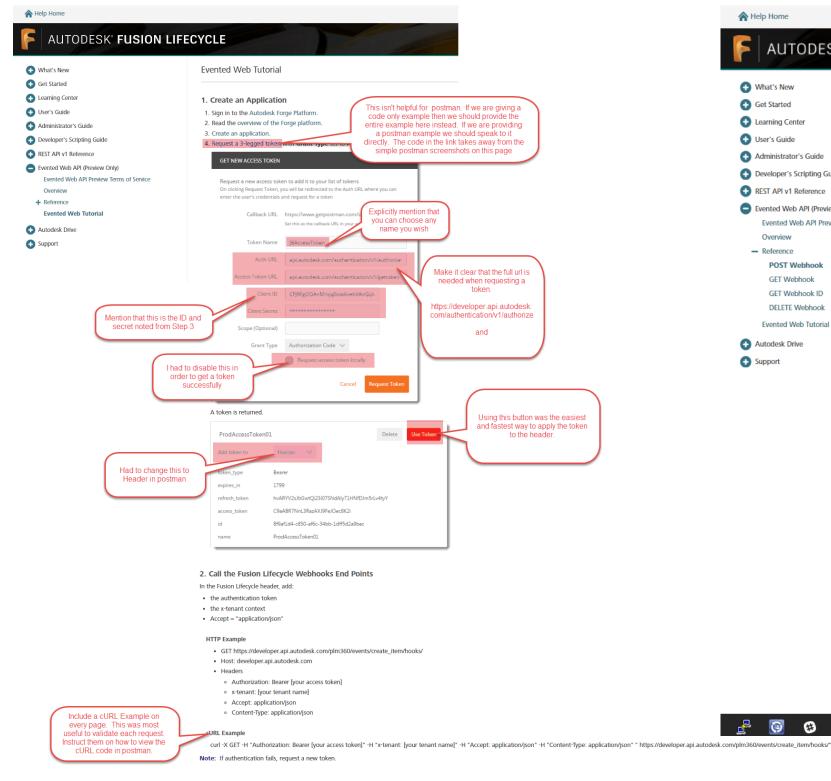


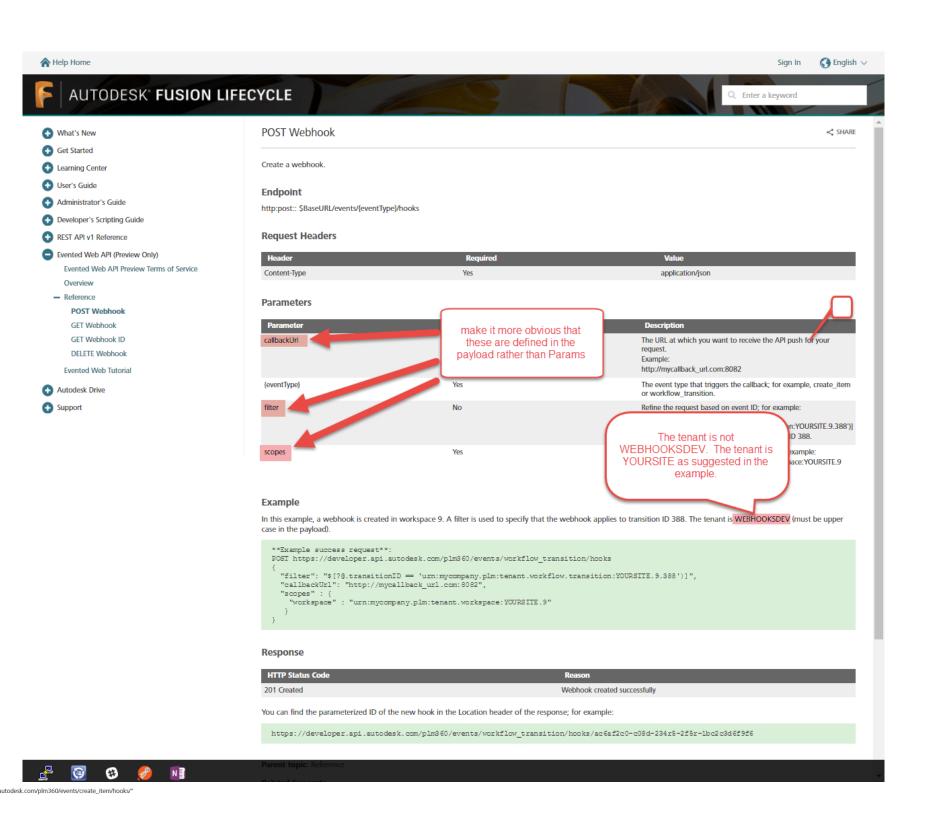






Here is what I expect









What Gartner says

Strategic Planning Assumption

By 2019, iPaaS will be the integration platform of choice for new integration projects, overtaking the annual revenue growth of traditional application integration suites on the way.

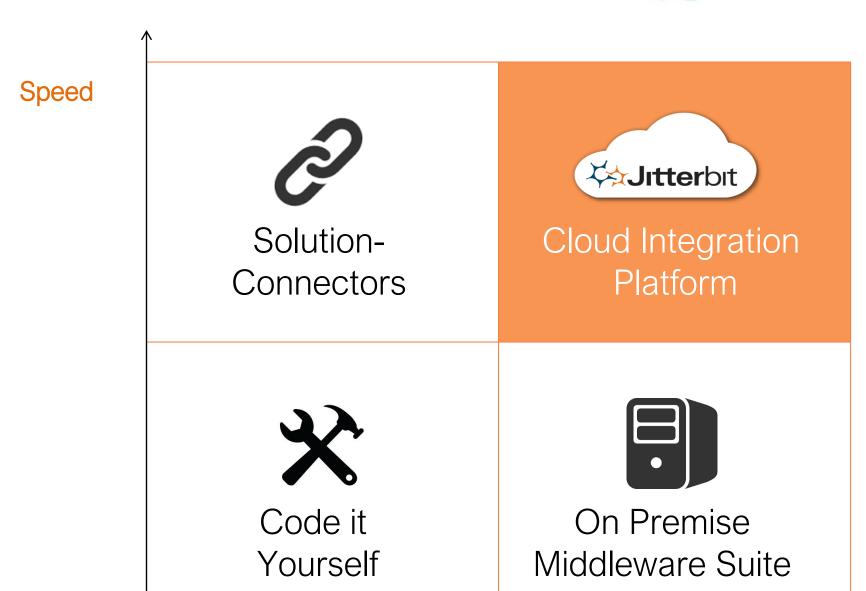
Market Definition/Description

Integration platform as a service (iPaaS) is a cloud service that provides a platform to support application, data and process integration projects, usually involving a combination of cloud-based applications and data sources, APIs and on-premises systems. Integration PaaS delivers some combination of the capabilities typically found in enterprise service buses, data integration tools, B2B gateways, managed file transfer products and API management platforms. IT departments, line-of-business developers, mobile application development teams, application teams and even business users (aka "citizen integrators") leverage these capabilities to develop, execute and manage integration interfaces (or "integration flows").

Source: Gartner Magic Quadrant for IPaaS 2016

The Options: Four Choices for Autodesk. Integration







Modern Cloud Integration

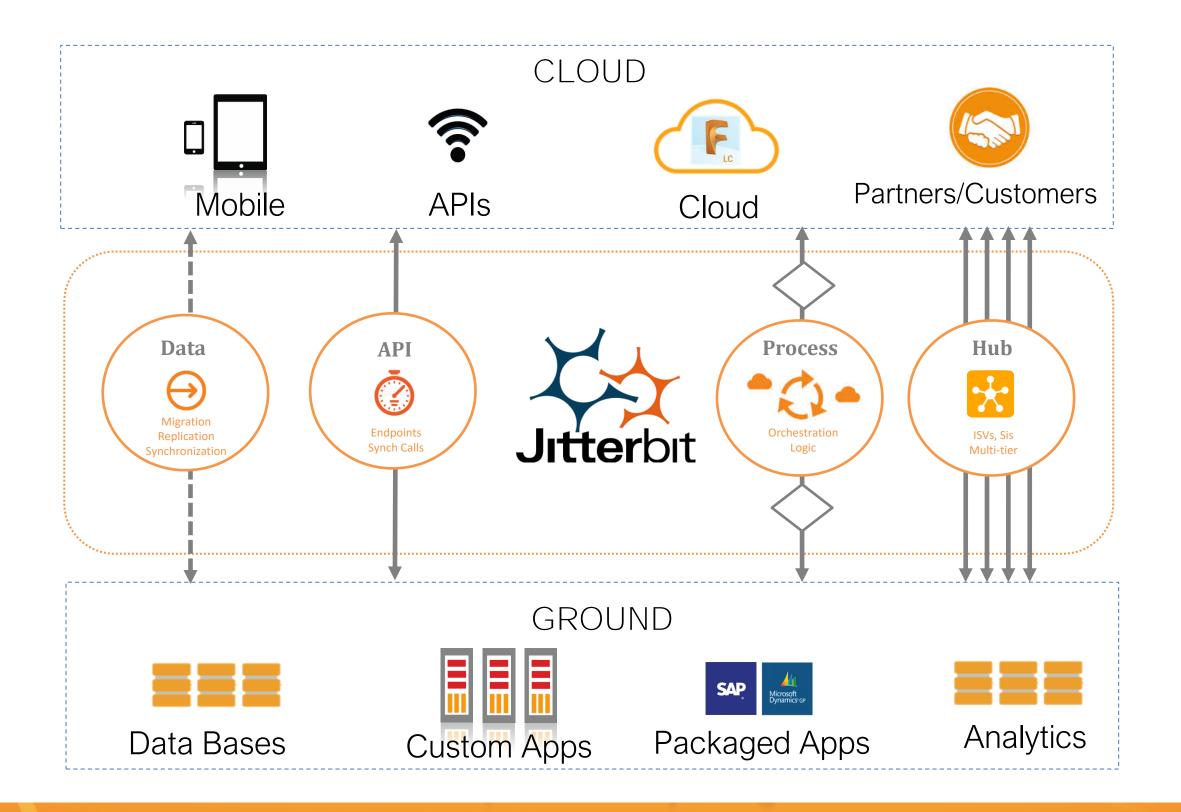
- ✓ Most advanced Cloud platform
- √ 75% Live in less than 30 days
- ✓ 60% Less than 1 FTE to maintain
- √ 80% Real-time Projects

Functionality

"The consolidation of middleware has simply failed...deep and complex capabilities for on premises integration represent the exact opposite of the simplicity expected from cloud-based solutions"



Support for all four modern integration patterns



Evented Web Infrastructure

Embedded UI

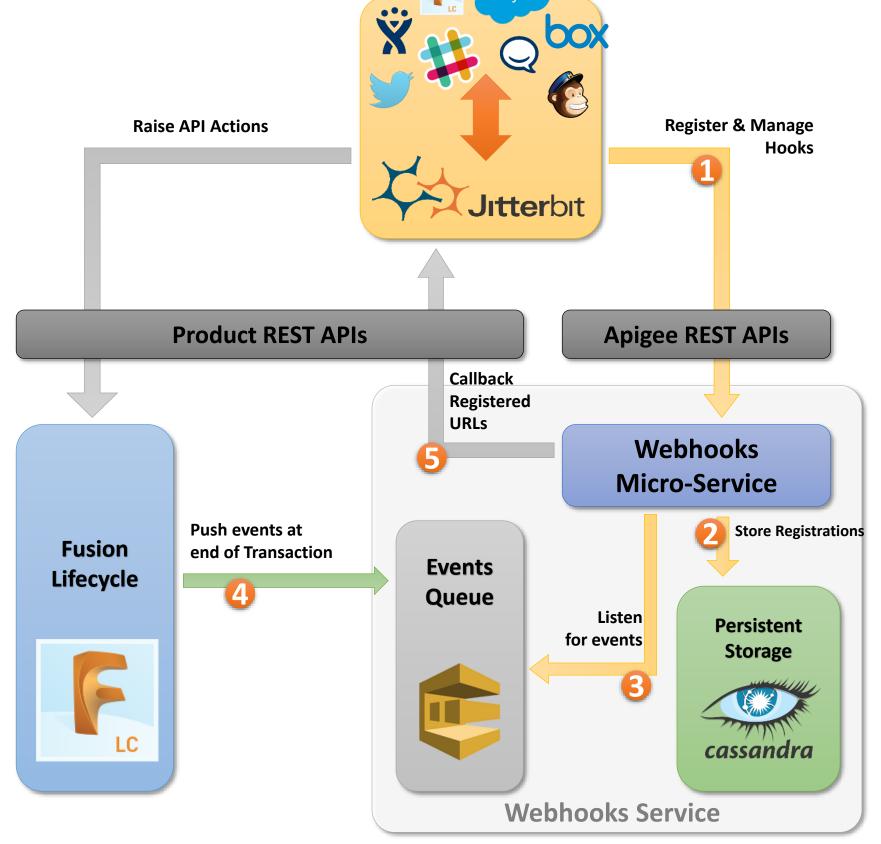
- Citizen Integrators App Portal
- Admin-only Access Control
- Powered by Jitterbit

Webhooks Infrastructure

- Webhooks Service
- Message Queuing Service
- Cassandra Data Storage

Webhooks Bundle

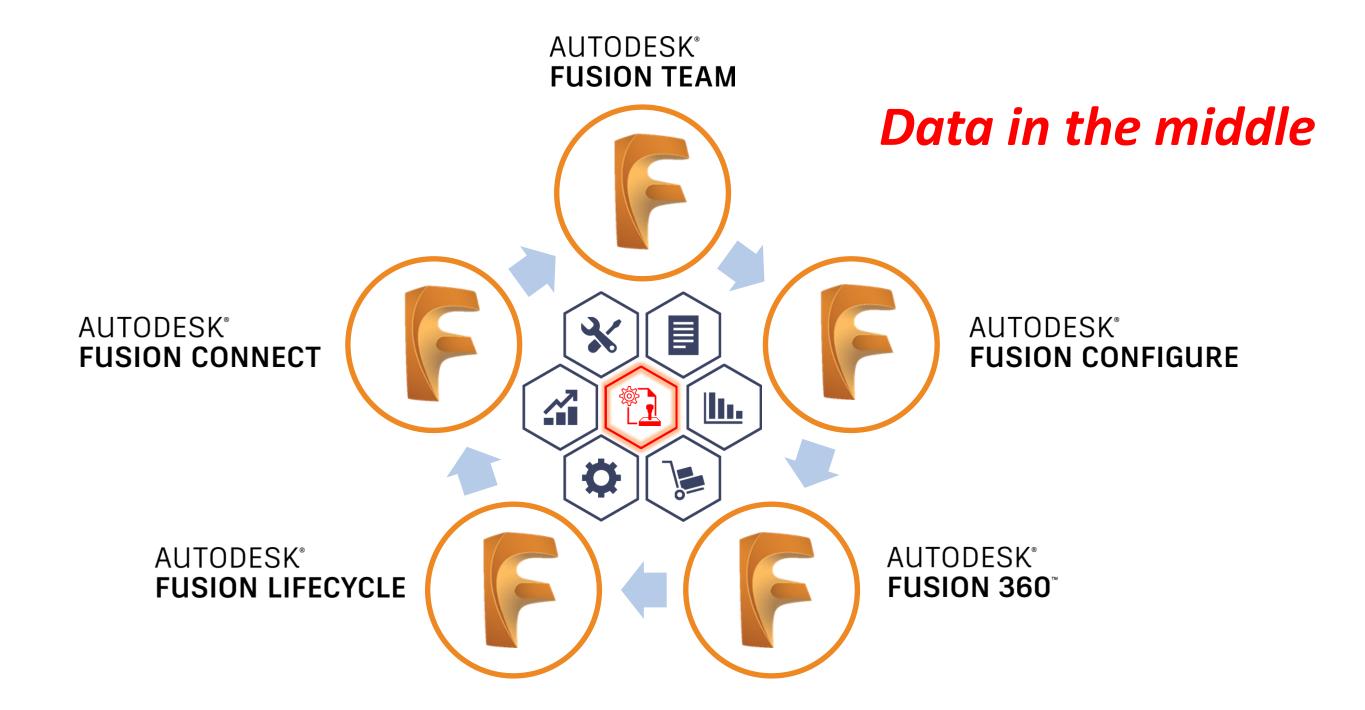
- Hooks API on Apigee
- Raise Event Triggers
- Invoke ReST V3 Actions







Connected Experience



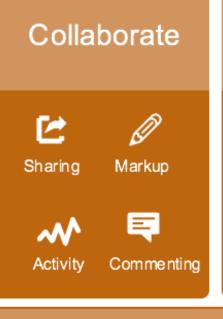


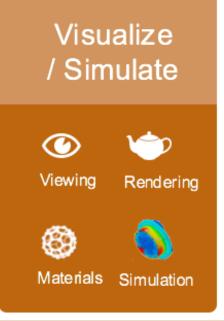




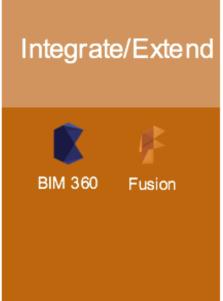




















Evented Web Coming Soon!!



Event Manager UI

- In-Product Cloud App Integrations
- Powered by Jitterbit

Native Webhooks API

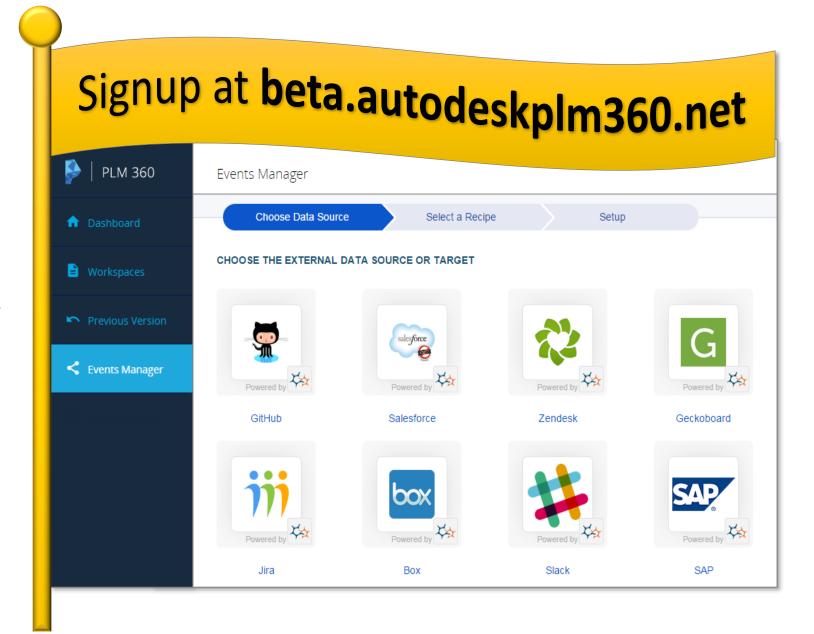
- Custom App Integrations
- POST/GET(s)/DELETE hook endpoints

Supported Triggers

- CREATE_ITEM
- WORKFLOW_TRANSITION

Supported Actions

Future V3 ReST API endpoints







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