Efficiently Exchange Data Between Business-Critical Systems

To keep operations running smoothly, companies rely on business-critical information systems. Data from one system often feeds into another, so integration between systems is essential. All too often, that integration is based on labor intensive and error prone processes, such as export and import of Excel spreadsheets or manual data entry. Not only do these approaches take a lot of time, they’re also difficult to troubleshoot because there’s no clear visibility into problems.

IMAGINiT Pulse offers a better solution. This SaaS-based business systems integration platform enables organizations to integrate many different types of applications—indeed of platform, programming language, or API. With IMAGINiT Pulse, datasets from business-critical information systems can be exchanged efficiently while the data is kept consistent and safe.

How IMAGINiT Pulse Works

IMAGINiT Pulse serves as a intermediary between systems. An IMAGINiT Pulse connector extracts information from a business system, sends the data to the platform, and then a second connector transmits the desired information to the destination system using the correct format and mapping.

Through conversations with key stakeholders, IMAGINiT’s professional services team gathers information about the organization’s unique workflows, business logic, and triggers. Those insights are used to customize the IMAGINiT Pulse connectors based on the mapping and scripting that is appropriate for the organization’s needs.
Why Use IMAGiNiT Pulse?

- **Designed for flexibility.** Data can be exchanged bi-directionally between systems, ensuring that business users always have access to the most current information. In addition, many different IT architectures are supported—both connector systems can be cloud-based, both can be on-premise, or one can be in the cloud and one can be on-premise.

- **A streamlined approach to integration.** IMAGiNiT has taken its years of system integration experience and incorporated it into IMAGiNiT Pulse. The result is an integration process that is 90% repeatable and 10% specific to customer needs and requirements. The standardized approach simplifies integration and end users are insulated from the complexity of system interfaces.

- **Greater visibility into integration processes.** IMAGiNiT Pulse provides an Administrator's Interface which contains the connection settings, data transformation scripts, and more. Administrators can see the sequences and scripts that are being executed. In addition, log files capture validation and error tracking information for easy troubleshooting.

- **A library of pre-built Connectors.** IMAGiNiT Pulse has pre-built connectors available for Autodesk® Vault, Autodesk® Fusion Lifecycle, Autodesk® BIM 360 Operations and BuildingLink. Based on client needs, IMAGiNiT consultants can build other connectors for systems such as ERP, CRM, SCM, SharePoint, and more.

The result is faster, less costly integrations than competitor solutions or hand-built integrations.

**IMAGiNiT Pulse in Action**

Pulse has pre-built connectors available for Autodesk Vault, Autodesk Fusion Lifecycle, Autodesk BIM360 Operations, and BuildingLink. With a small amount of professional services assistance, these connectors can be rapidly deployed and tailored to each organization’s needs.

**Autodesk Vault & Fusion Lifecycle**

IMAGiNiT Pulse is ideally suited for supporting Engineering Change Order workflows that require data exchange between Autodesk Vault and Fusion Lifecycle. For example:

1. **Initial Release and/or Fast-Track Releases.** Information can be sent between systems which allows a newly created design or assembly to be released for the first time — i.e., Rev. A.

2. **Revision Releases or Typical Change Control Board (CCB) Releases.** Data can be exchanged between systems which allows released designs or assemblies to be updated and released to the next revision — i.e., Rev. B, C, D, etc.

**Autodesk BIM 360 Ops & BuildingLink**

IMAGiNiT Pulse can be used by building owners or property managers to exchange data between BuildingLink and Autodesk BIM 360 Operations to create facility maintenance work orders. When residential or commercial tenants send maintenance requests using BuildingLink, the relevant information can be transmitted to BIM 360 Operations and a work order can be generated.