

IBM App Connect

Mapping Assist

Part of the IBM Cloud Pak for Integration

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No code integration solution

Support **wide range of integration styles**: events, APIs, batch processing



Deploy in any cloud or on-premises system, and **run your integration solution close to application**



Easily apply AI through a no code approach to **create intelligent business solutions**




Access to hundreds of pre-built connectors so integration users can focus more on business logic



User centric tooling enables users to start integration projects **with no coding and training**




Pre-built, security-rich connectors



Enterprise Content Management & Repositories


Google Drive Confluence

MS Sharepoint Dropbox




Cloud & Blockchain Service Provider

IBM Food Trust, Magento




ITSM & Project Management

Jira Kronos Zendesk



Forms & Surveys

Wufoo




Customer Relationships

MS Dynamics 365 for Sales


Insightly

HubSpot CRM




Business Operations

Coupa, Zuora




Banking & Finance

Yapily Paypal




Communications & Marketing

Domino HubSpot




Insurance & Supply Chain

IBM Weather Channel



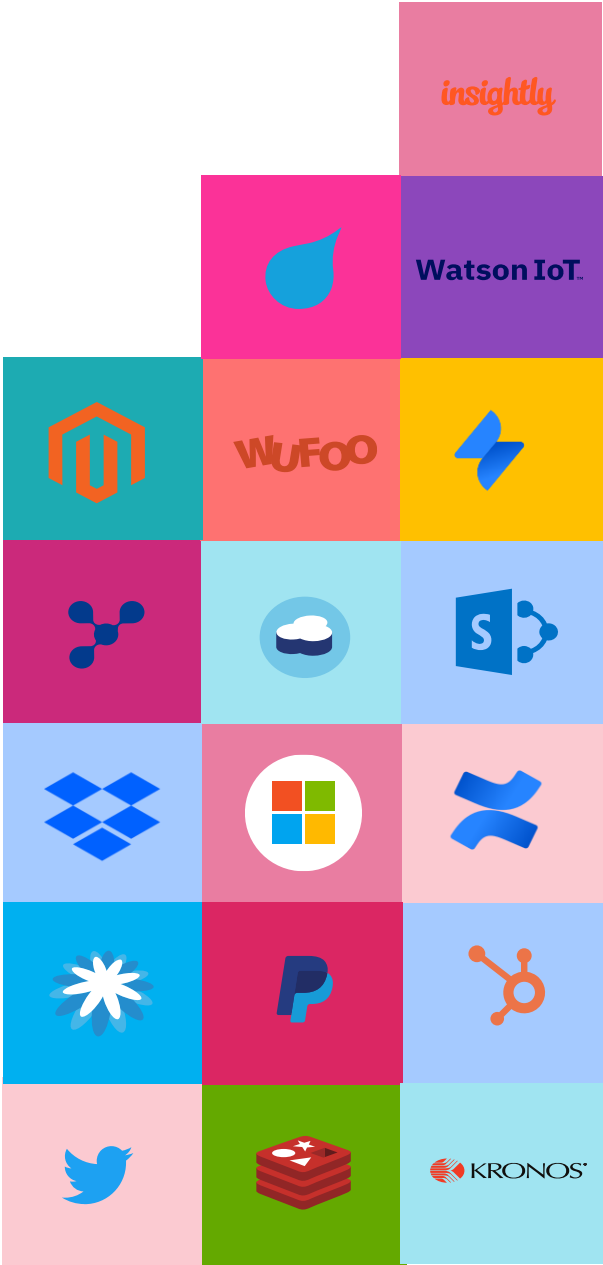
Manufacturing

IBM Maximo



Datastore

IBM Cloudant AWS Redis



Technology connectors

App Connect works across multiple transfer protocols and messaging services, including:

- POP3

MQTT

SMTP

Web Crawler
- FTP

Kafka

CORBA

Apache Hive
- HTTP

.NET

REST API
- JMS

TCPIP

Message Hub
- Web

CICS

LoopBack
- SOAP

IMS

Scheduler



Challenges with mapping

Mapping remains a fundamental part of integration development... but it takes time!

An increasing number and diversity of endpoints

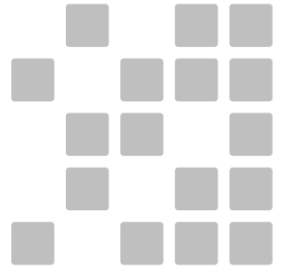
- SaaS apps, home grown apps, off the shelf applications, databases, webservices and so on

No field naming standards

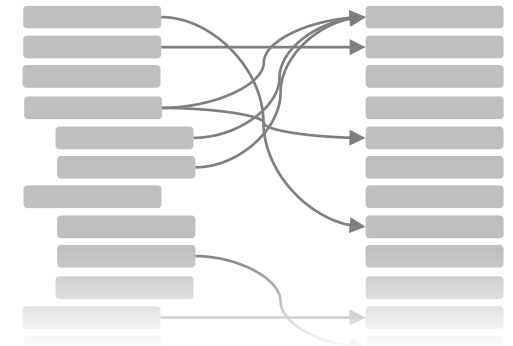
- Built by different vendors with no universally agreed field naming conventions
- Custom objects or schema changes
- Modifying integrations developed by someone else

Field structures compound complexity

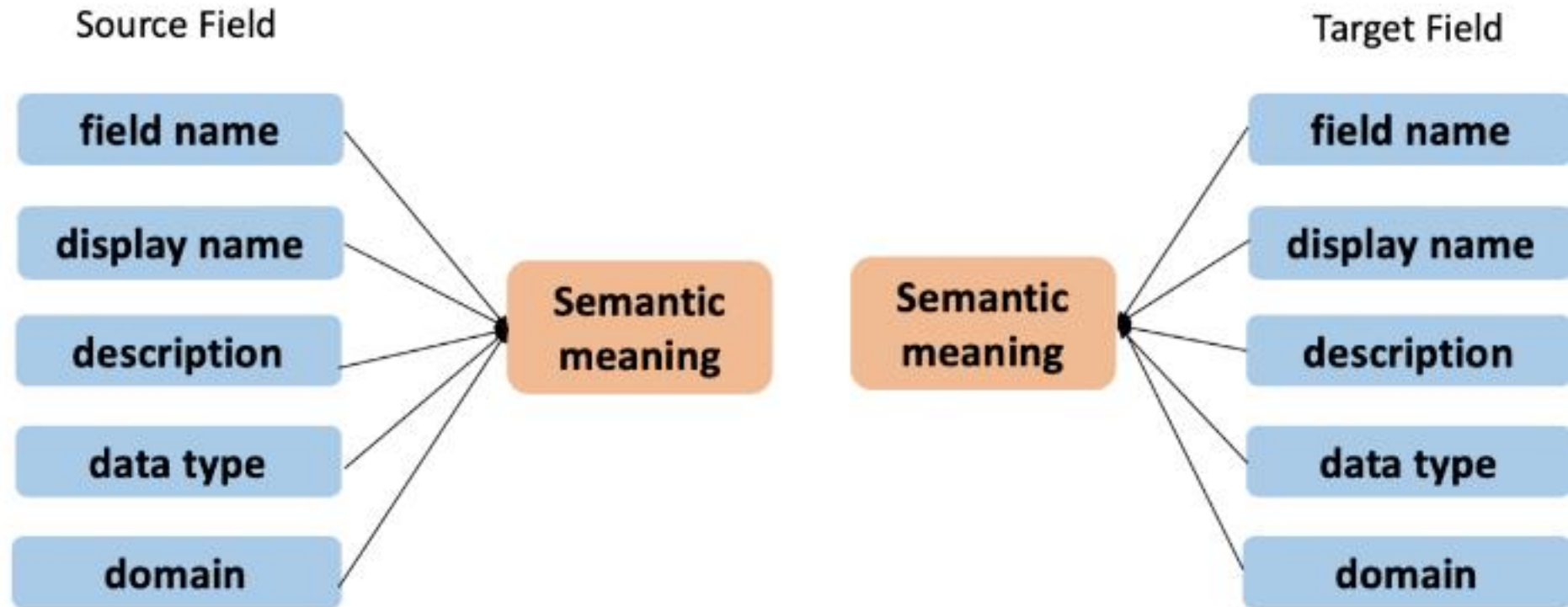
- Applications with 1000+ fields (eg Maximo and MS Dynamics 365)
- Nested fields force a developer to consider field hierarchy when mapping



PIN = **Personal** Identity Number
PIN = **Product** Identification Number



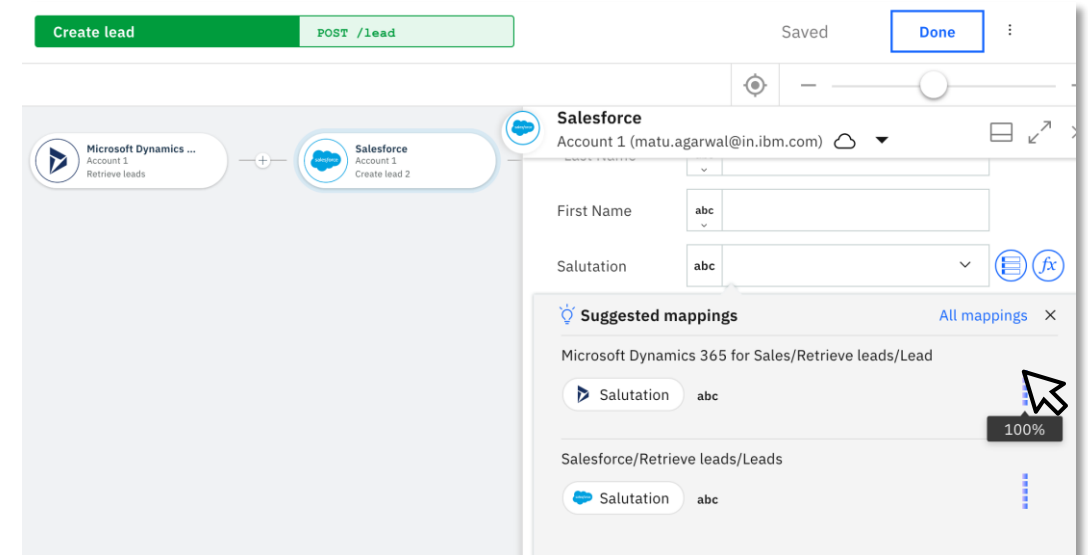
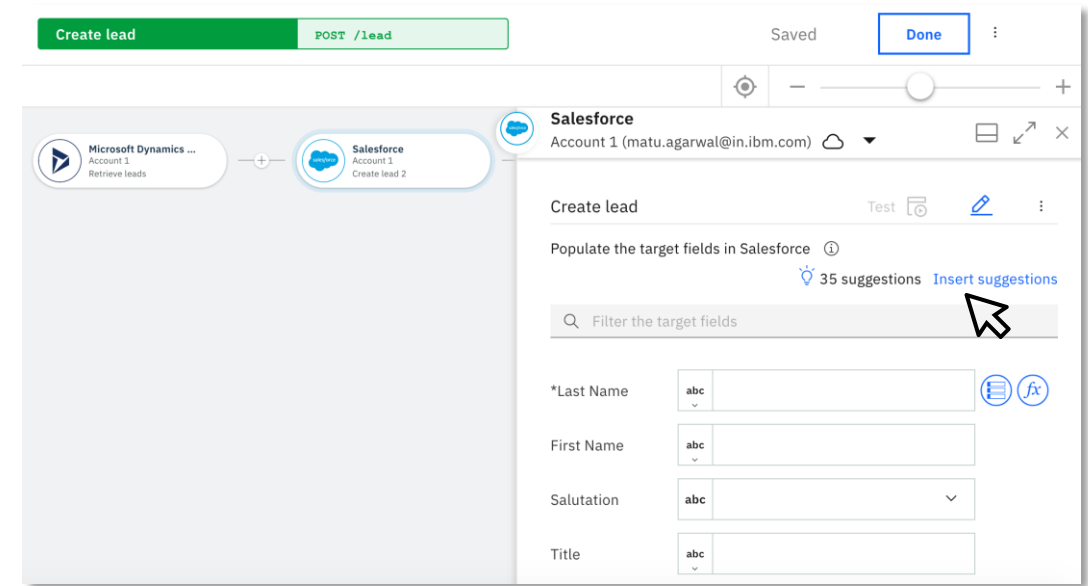
Schema matching



AI-powered 'Mapping Assist'

Simplify mapping with a pre-trained AI algorithm that provides intelligent, customized data map suggestions.

- Suggestions are provided based on multiple sources, including all the previous nodes in the flow, for greater accuracy.
- Mapping suggestions for flat structures as well as complex, nested mapping fields are provided.
- Auto map all fields wherever the matching confidence is higher than 80%.
- Previously selected mappings are remembered and shown as top suggestions when a similar source and target mapping is attempted.
- Runs on-prem alongside your integrations for higher performance and security!
- Protecting your IP: Your Mapping Assist AI model and Runtime data is private for your company – IBM will never request that you share this data with anyone else!



Demo

Blogs & reference

Problem and features - <https://developer.ibm.com/integration/blog/2020/06/24/ibm-app-connect-mapping-assist-putting-ai-to-work-for-your-business/>

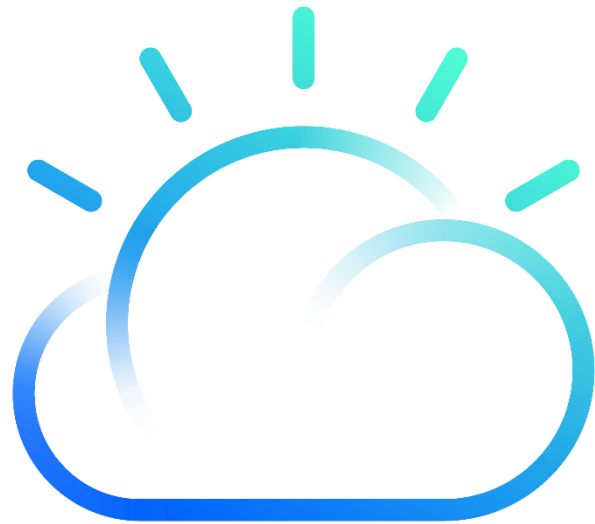
How mapping assist works ? - <https://developer.ibm.com/integration/blog/2020/06/29/ibm-app-connect-ai-powered-data-mapping-with-mapping-assist/>

Business use case - <https://developer.ibm.com/integration/blog/2020/06/29/ibm-app-connect-developing-integrations-with-mapping-assist/>

Team journey - <https://developer.ibm.com/integration/blog/2020/06/29/ibm-app-connect-kickstarting-the-journey-towards-an-artificial-intelligence-future/>

Documentation -

https://www.ibm.com/support/knowledgecenter/SSTTDS_11.0.0/com.ibm.ace.icp.doc/certc_mappingassist.html



Thank you!