

# Connect

Blue Yonder integration is a unified approach, whether customers want to connect Blue Yonder applications or Blue Yonder applications with 3rd party systems like SAP. Similarly, the approach doesn't distinguish whether integration is between applications on the cloud, on premise or some hybrid combination.

Blue Yonder integration is based on Integration Platform as a Service (iPaaS) but with a unique differentiator which is Unified Supply Chain Data Model or Blue Yonder Data Model, and a combination of APIs, adapters and end-to-end business processes like digital fulfillment.

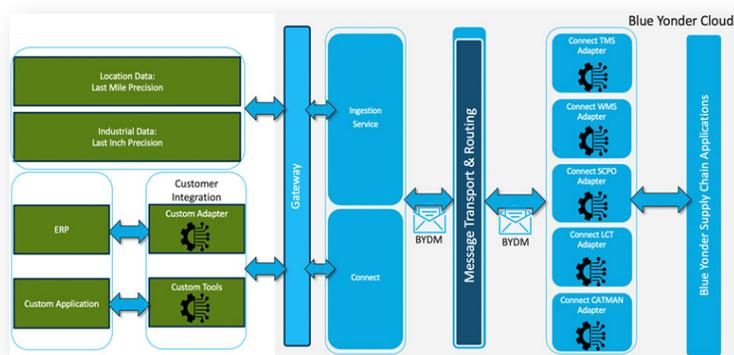
Connect quickly and easily integrates Blue Yonder applications or services in a cohesive manner, making it faster and simpler to solve complex business problems, while minimizing total cost of ownership. Connect enables business processes that span Blue Yonder applications and, as a natural extension, freely flow from and to customers' host systems, be it their order management systems or their enterprise resource planning systems. These business processes are orchestrated across multiple products to deliver value and are not mere point-to-point integrations. Designed to allow customers to configure the data model and tailor business processes to their specific needs, Connect enables easy business process improvement by integrating multiple applications and enabling digital fulfillment.

Connect is built on MuleSoft's Anypoint Platform™, which includes a lightweight runtime engine, complete iPaaS and a graphical authoring environment. MuleSoft is used in over 3,000 production deployments by leading retail and consumer packaged goods companies and by five of the world's top 10 banks. MuleSoft is recognized as a Leader in the Gartner Magic Quadrant for Enterprise Integration Platform as a Service, as well as Full Life Cycle API Management. It is also recognized as a Leader in the Forrester Wave for Hybrid Integration.

## Reducing implementation time

Connect supports multiple deployment architectures, enabling customers to reduce their implementation time and burden for establishing new integrations across Blue Yonder cloud, on-premise deployments or a hybrid cloud. As shown below, Connect is deployed into the Blue Yonder cloud environment to enable customer integration and access to Blue Yonder applications and services. It also allows third-party data to be ingested and converted into data formats understood by Blue Yonder applications hosted in the Blue Yonder cloud. In a multi-data center ecosystem, data will be securely transmitted between the customer's data centers and Blue Yonder, using technologies such as HTTPS, SFTP and AS2.

Connect can also be deployed into customers' data centers, where all business data will stay behind their firewalls. In this case, customers can choose the message transport and routing technology that meets their corporate standards.



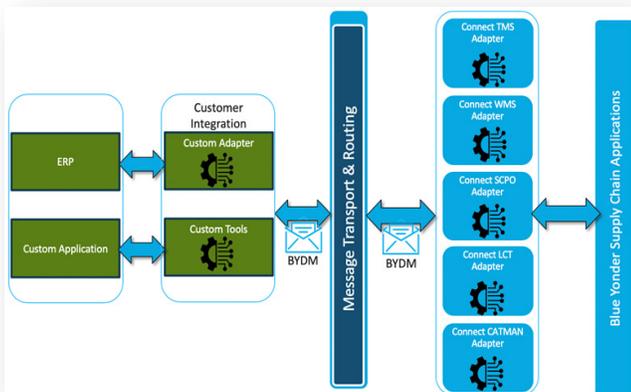
## A uniform approach to data

Connect leverages Blue Yonder data model, a syntactically and semantically consistent data format that's used across all Blue Yonder applications. This data can be sent, via messaging technologies such as JMS or Kafka, to Blue Yonder apps to create, update or delete data as well as trigger workflows. Customer-specific messages may also undergo the same processing and be sent to Blue Yonder apps. Customers can convert their data into Blue Yonder Data Model using any integration software they choose or Connect.

## Easy integration

Connect supports a loosely coupled approach to integration. It enables easy integration of existing systems, regardless of the different technologies (including JMS, Web Services, HTTP/S, SFTP, AS2, JDBC, etc.) and data formats (such as XML, JSON, CSV, etc.) employed. The integration runtime engine can be deployed anywhere, can integrate and orchestrate events in real-time or in batch, and has universal connectivity. A key advantage of Connect is that it allows different applications to communicate with each other through versioned messages and/or APIs within or across data centers or cloud providers. Connect has powerful capabilities that include:

- **Service creation and hosting** — expose and host secure, highly available, reusable services, using the Connect runtime as a lightweight service container
- **Message routing** — distribute, route, filter, aggregate, acknowledge and deduplicate messages based on content and rules
- **Data validation** — validate data before processing it and, if there are problems, report them
- **Data transformation** — exchange data across varying formats and transport protocols



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- **Data enrichment** — get or receive data from additional sources such as databases or APIs, in any format, including XML, CSV and JSON, and merge it into the data being processed; easily connect to data sources
- **Clustering** — cluster runtimes for scalability and availability

## Designed to support your unique business needs

Connect is built with the understanding that no two customers will have identical business needs and, as a result, data models, integrations and business processes may need to be configured. The configuration process is simplified with Connect's graphical IDE. Connect supports many different levels of configuration, including custom messages additions to Blue Yonder Data Model, and modifications to the actual process of data conversion.

Connect is not limited to processing Blue Yonder Data Model. Data can be accepted or retrieved from customer systems in their native formats and transformed to Blue Yonder Data Model when necessary. The same can be done in reverse, making available or pushing data to customer systems in their native formats after having been transformed from Blue Yonder Data Model. This processing affords the same capabilities, scalability and availability as when processing a Blue Yonder-to-Blue Yonder information transfer.

With Connect, adding Blue Yonder apps and services into existing or new business processes is faster and easier. It allows for configuration in all aspects of the integration and API exposure, while preserving the ability to upgrade any part of the software ecosystem with Blue Yonder components. Connect's high-level business processes span Blue Yonder products and customer systems, simplifying the integration process and clearly positioning Blue Yonder on the path of realizing its vision of the Autonomous Supply Chain™.