# LBN Global Track and Trace Option
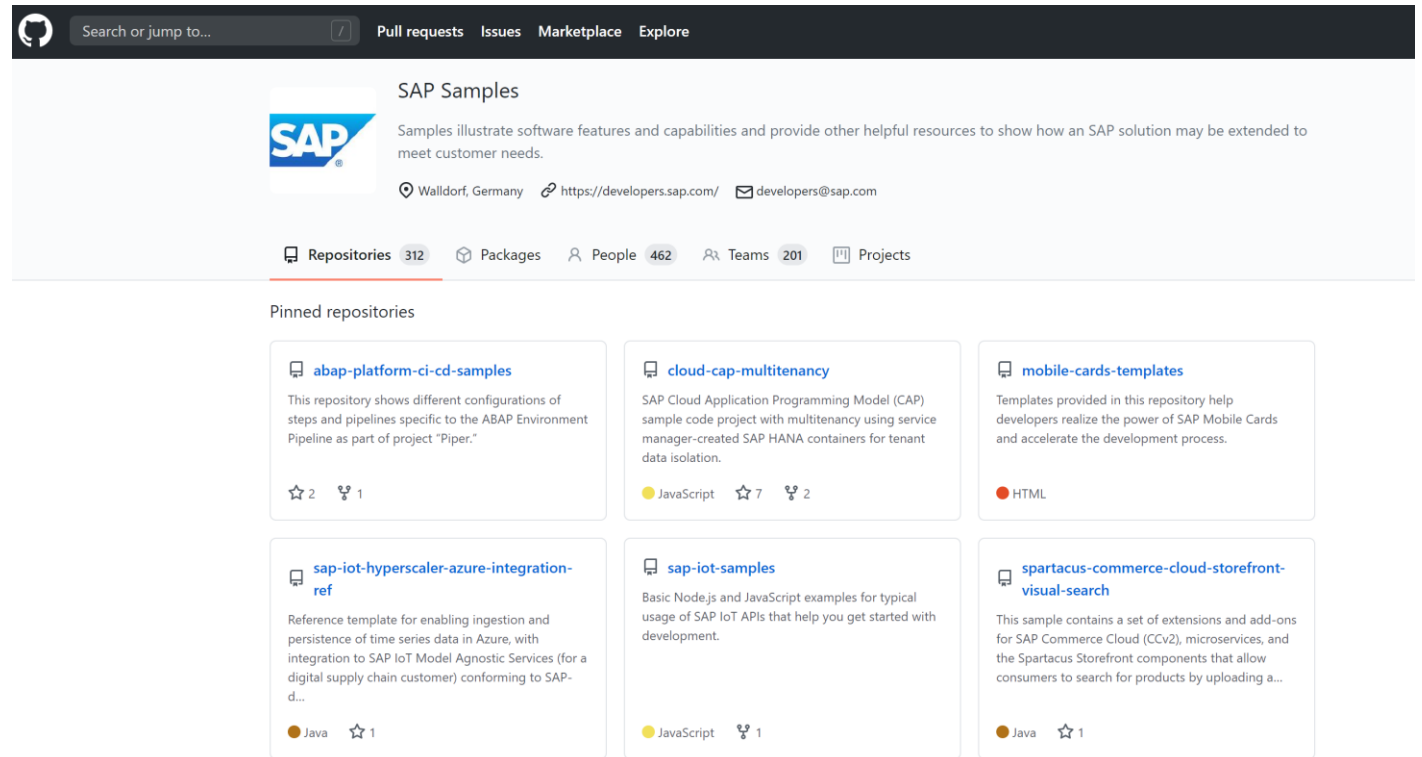## Track Shipments app

February 26th, 2021

THE BEST RUN **SAP**

# Background Introduction

**GTT Template apps**\* stand for codes, scripts, and associated documentation published by SAP to show GTT customers and partners how to use the global track and trace option. They can also accelerate customers' and partners' development of applications that are intended to work with the option.

## Template apps for LBN global track and trace option

- Track SO Fulfillment app
- Track Shipments app
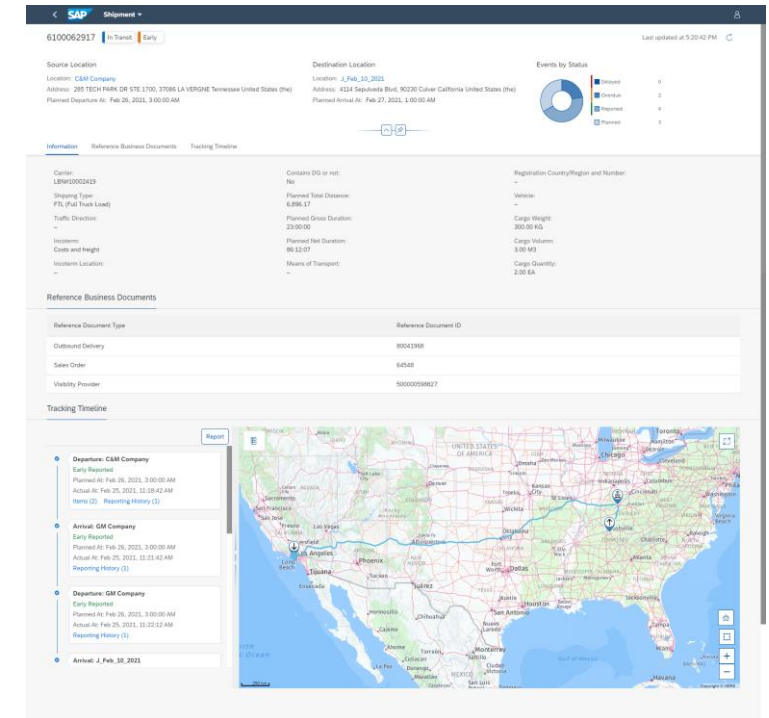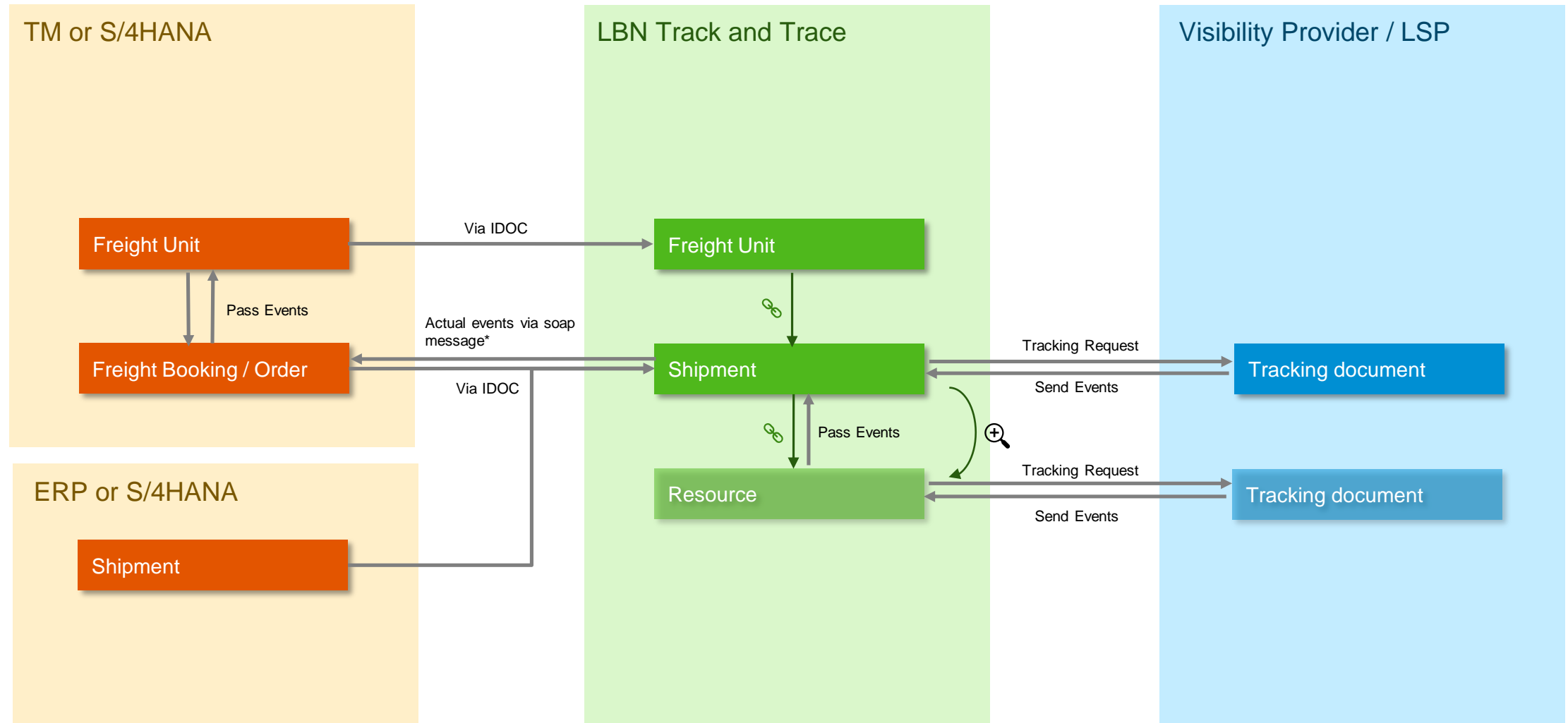- Track Purchase Orders app
- …..

# Track Shipments App
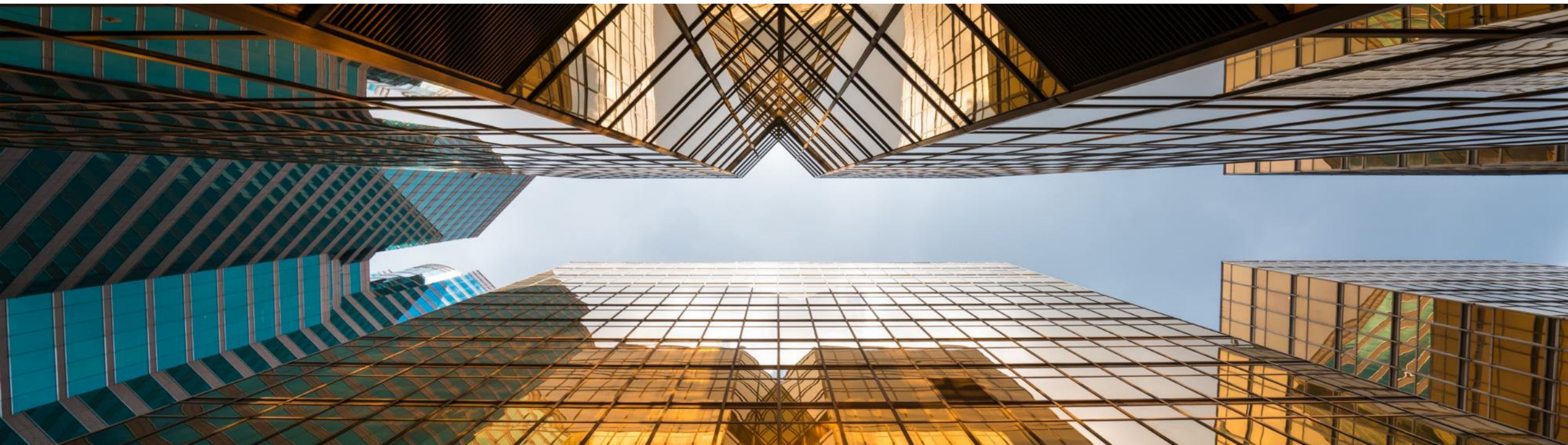
# Introduction

Track Shipments app is for **transportation planners** to track the execution status of shipments, road freight orders or ocean freight bookings and **report events manually.** It answers following questions:

- Where is my shipment/road freight order/ocean freight booking?

- Has my shipment/road freight order/ocean freight booking been executed?

- What is the **next stop** of my shipment/road freight order/ocean freight booking?

- What is the **ETA** of my shipment/road freight order/ocean freight booking?
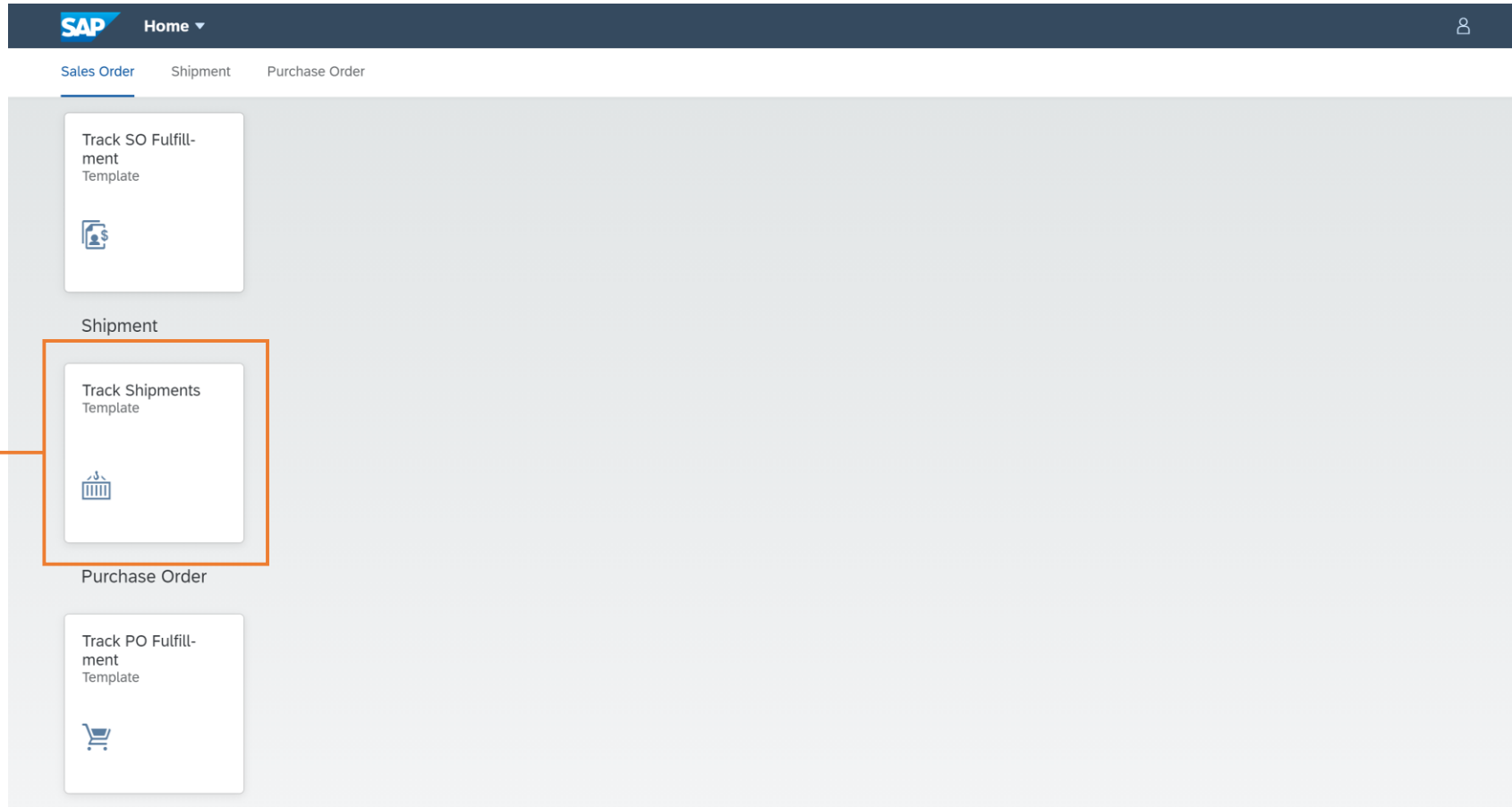
# Tracked Process Modeling in Track Shipments App



| TM or S/4HANA | LBN Track and Trace | Visibility Provider / LSP |

**TM or S/4HANA**

- Freight Unit
- Freight Booking / Order
  - Pass Events

**ERP or S/4HANA**

- Shipment

**LBN Track and Trace**

- Freight Unit
- Shipment
  - Pass Events
- Resource

**Visibility Provider / LSP**

- Tracking document
- Tracking document

Via IDOC

Actual events via soap message*

Via IDOC

Tracking Request

Send Events

Tracking Request

Send Events

*TransportationEventBulkNotification_In

# Fiori Launchpad



*In GTT template apps Fiori Launchpad, enter "Track Shipments" application*

# Shipment List

*Store your shipment list view, such as filtering selection or column fields.*

*Filter your shipment by various criteria, such as execution status, vehicle ID or delivery number.*

*Highlight shipment under exceptional status, including Delayed, Overdue and Late.*

*Visualize shipment by transportation mode.*

*Customize your table layout, such as sorting logic or column fields.*

# Shipment Detail
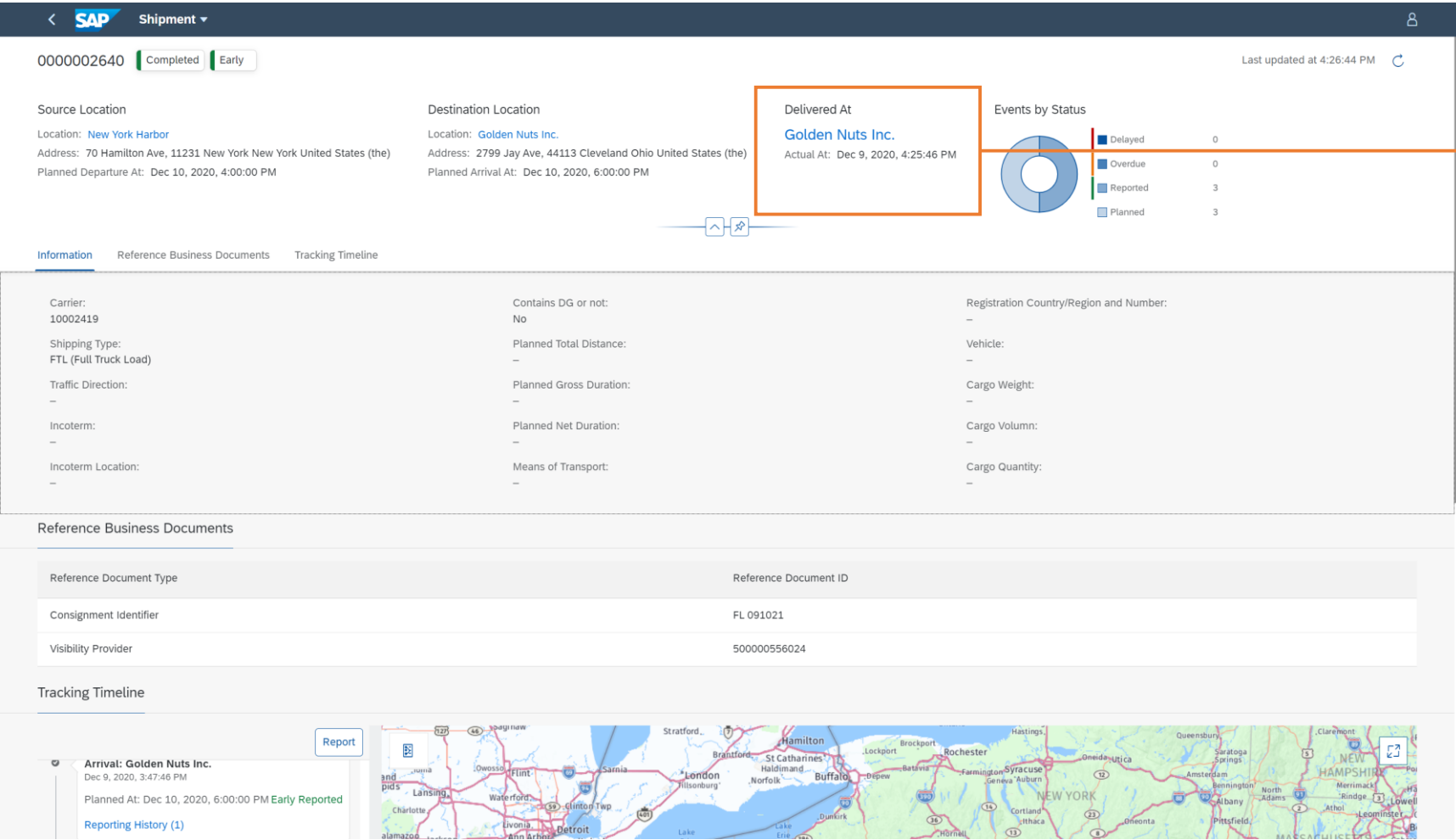
Highlight your shipment execution status* and process status.

Show your shipment's Next Stop and relevant estimated time of arrival.

Show aggregated status by planned events' status of the shipment.
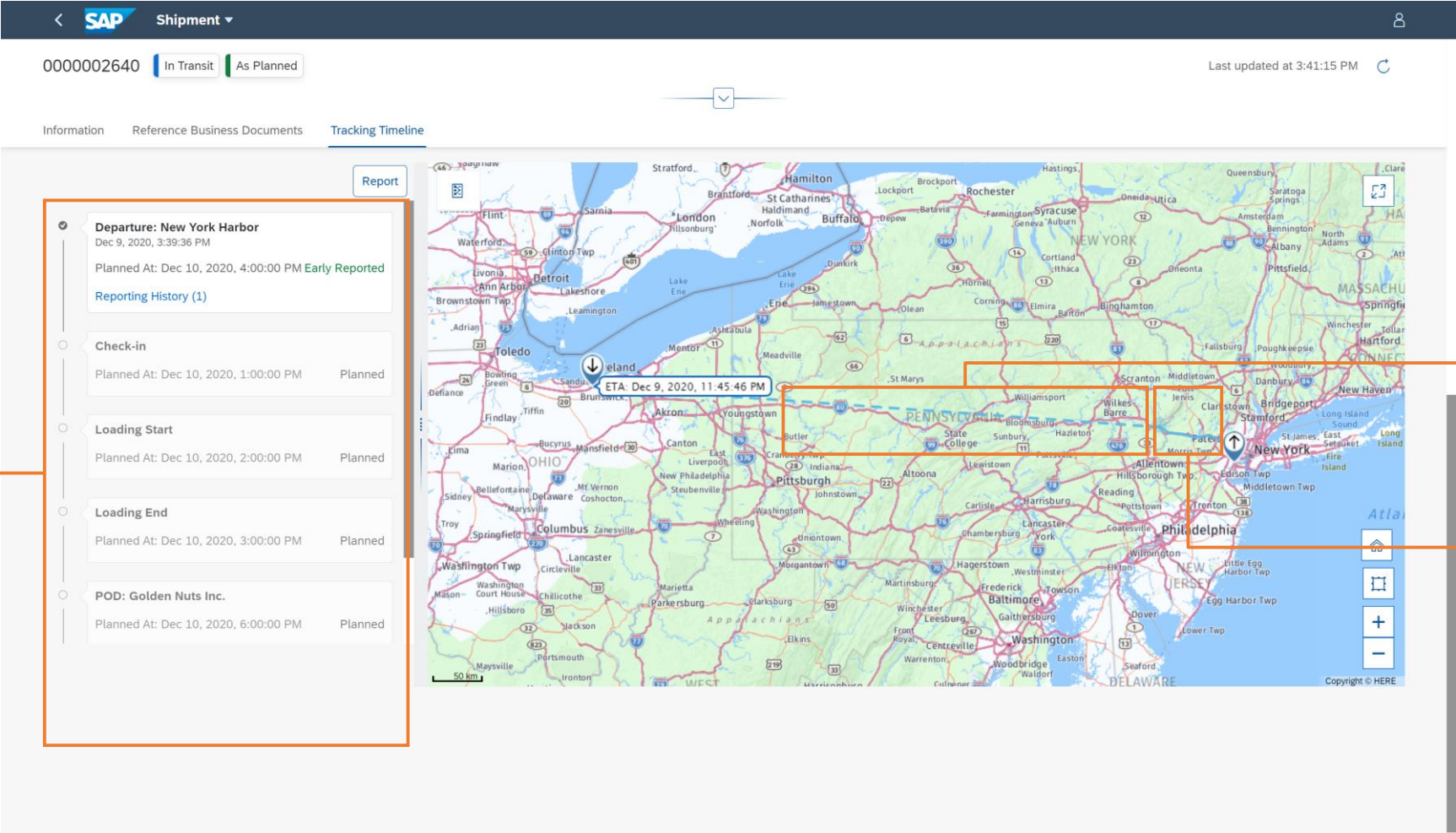
Show reference business documents from ERP or Visibility Provider.

# Shipment Detail



*When shipment's execution status changed to "Completed", show Destination Location with POD business datetime.*
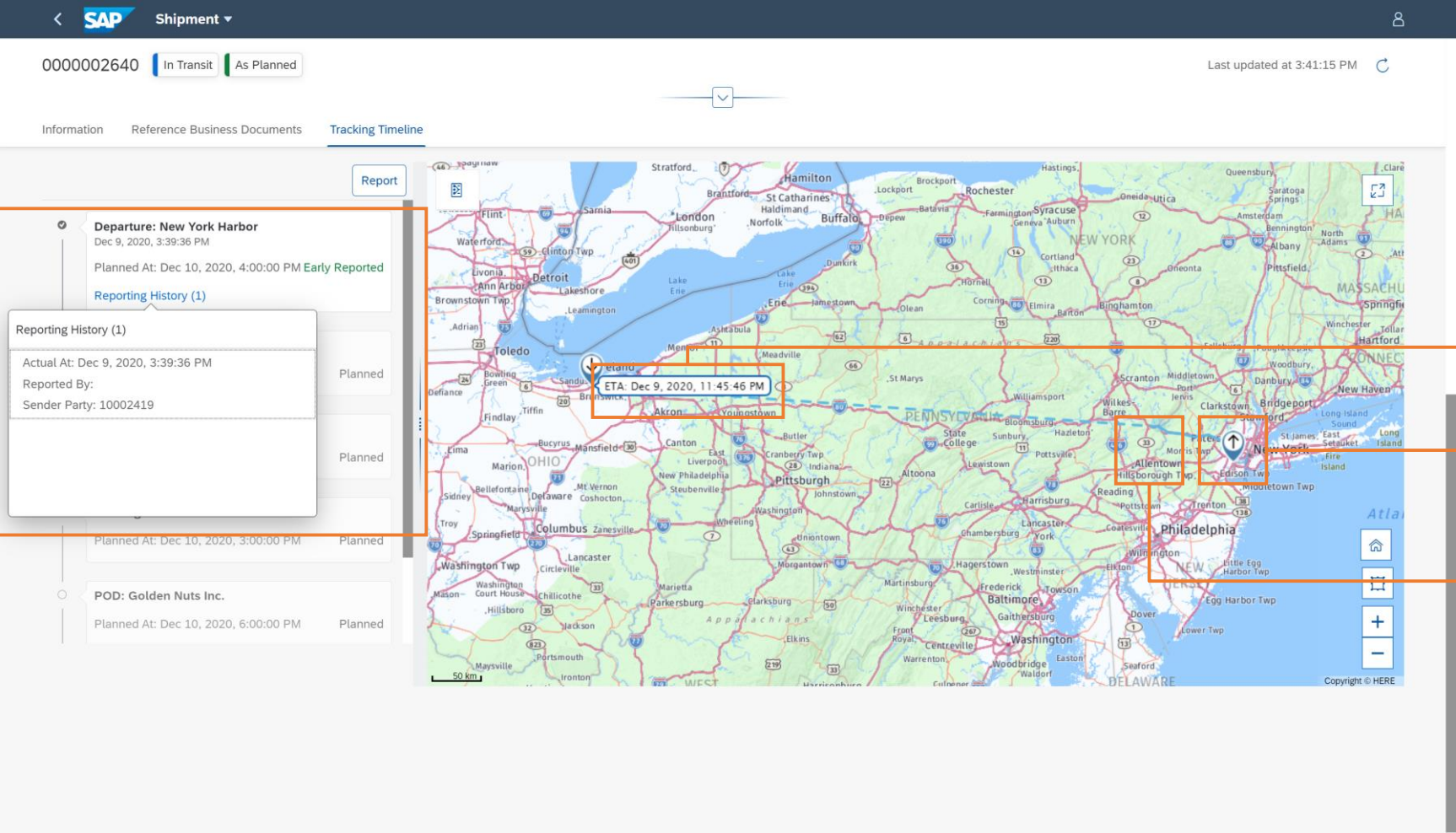
# Shipment Detail



Show actual and planned milestones of your shipment.

Show planned route of your shipment with dotted line.

Show actual route of your shipment with solid line.
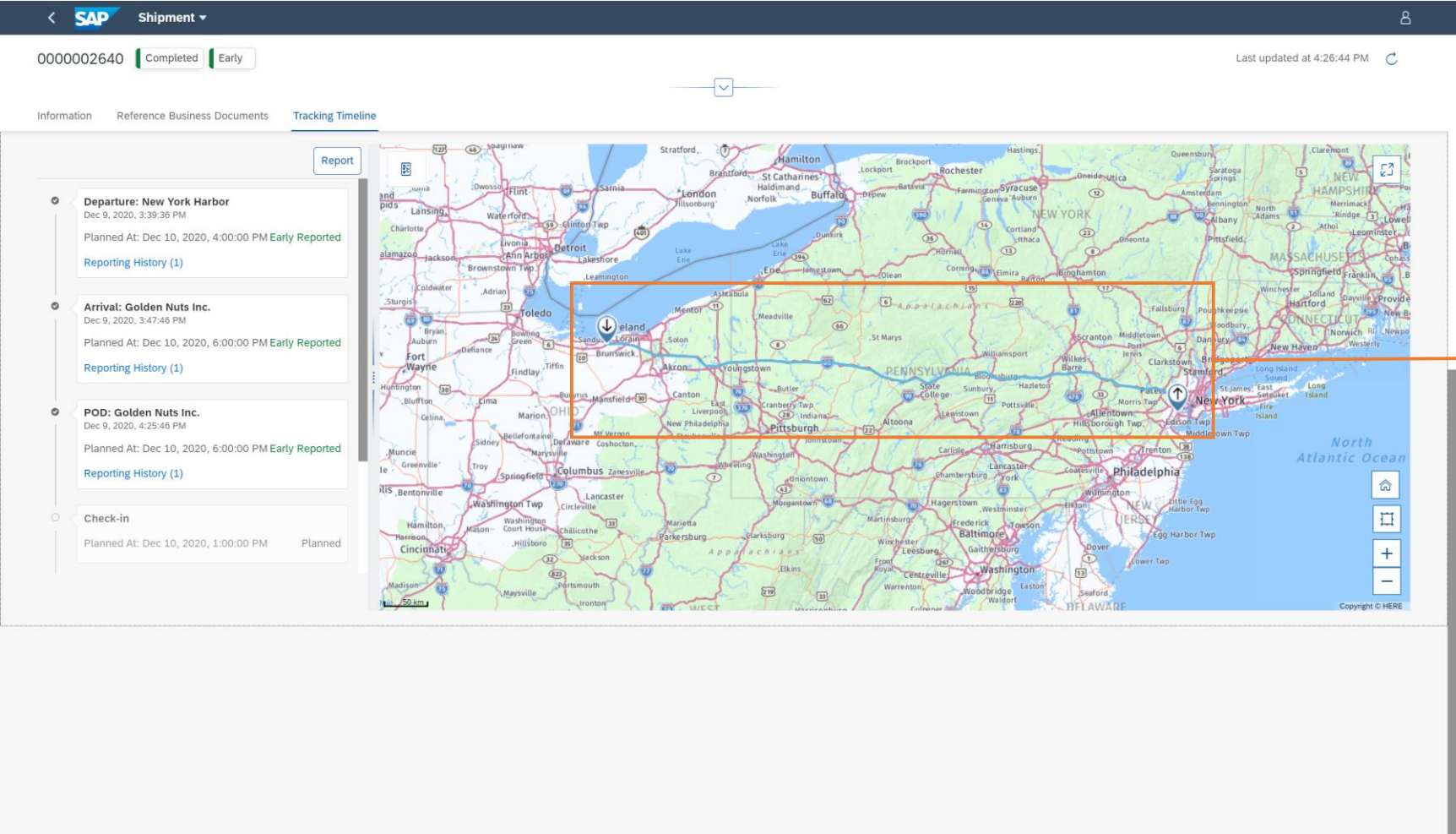
# Shipment Detail



For planned events that has been reported, show reporting history with event detail information.
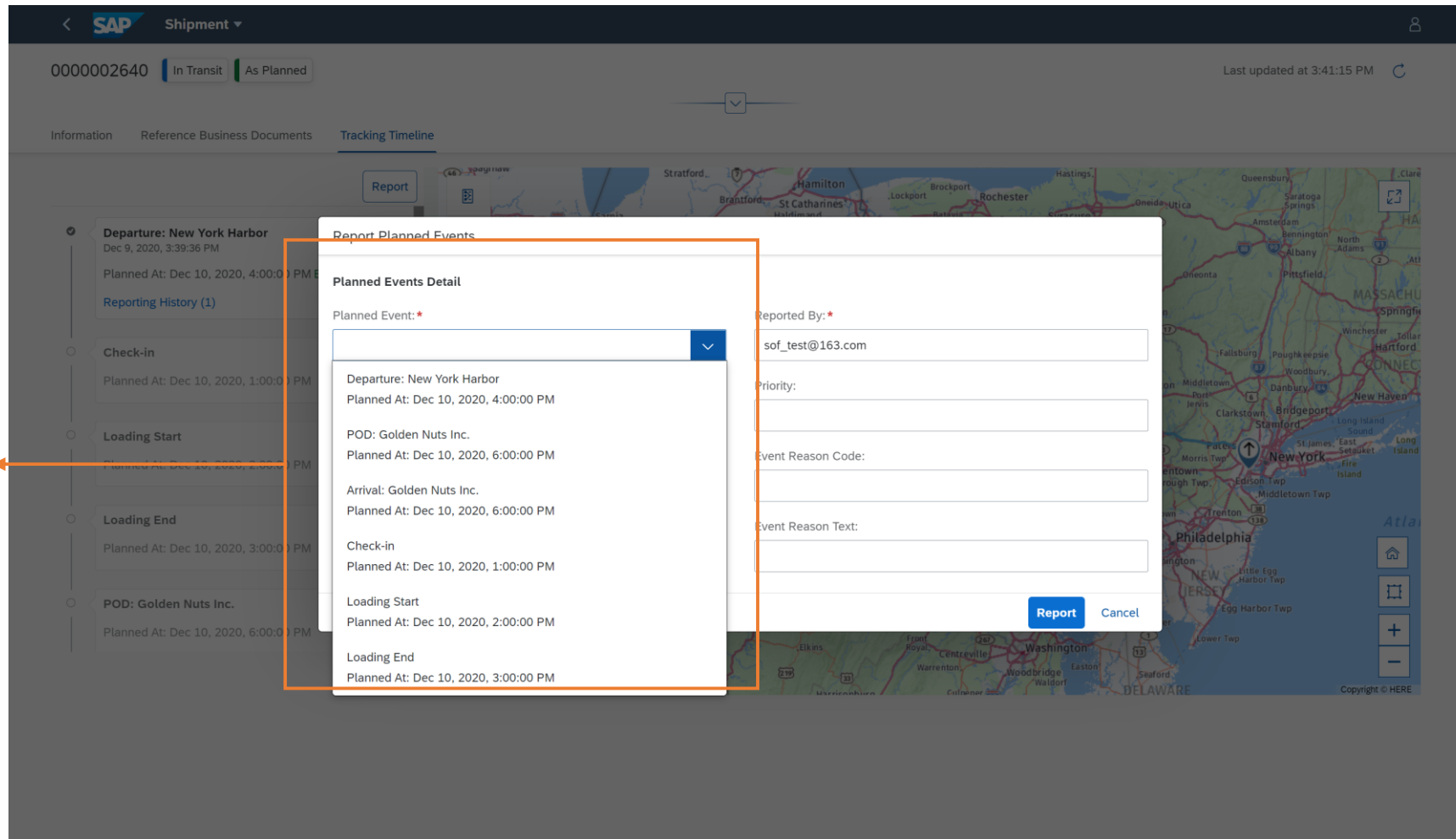
Show corresponding ETA on each stop.

Show stops of your shipment.

Show current location of your shipment.

# Shipment Detail



When shipment's execution status is changed to "Completed", show actual route only.

# Shipment Detail



*Select from shipment's planned event list to report planned event, corresponding user defined fields will be shown based on your selected event type.*

# Shipment Detail

*Select from shipment model's admissible unplanned event list to report unplanned event, corresponding user defined fields will be shown based on your selected event type.*

# Shipment Detail – Show related delivery items



*For planned events, show related delivery items, you can navigate to detail page to track from item level.*

# Shipment Detail – Track delivery item
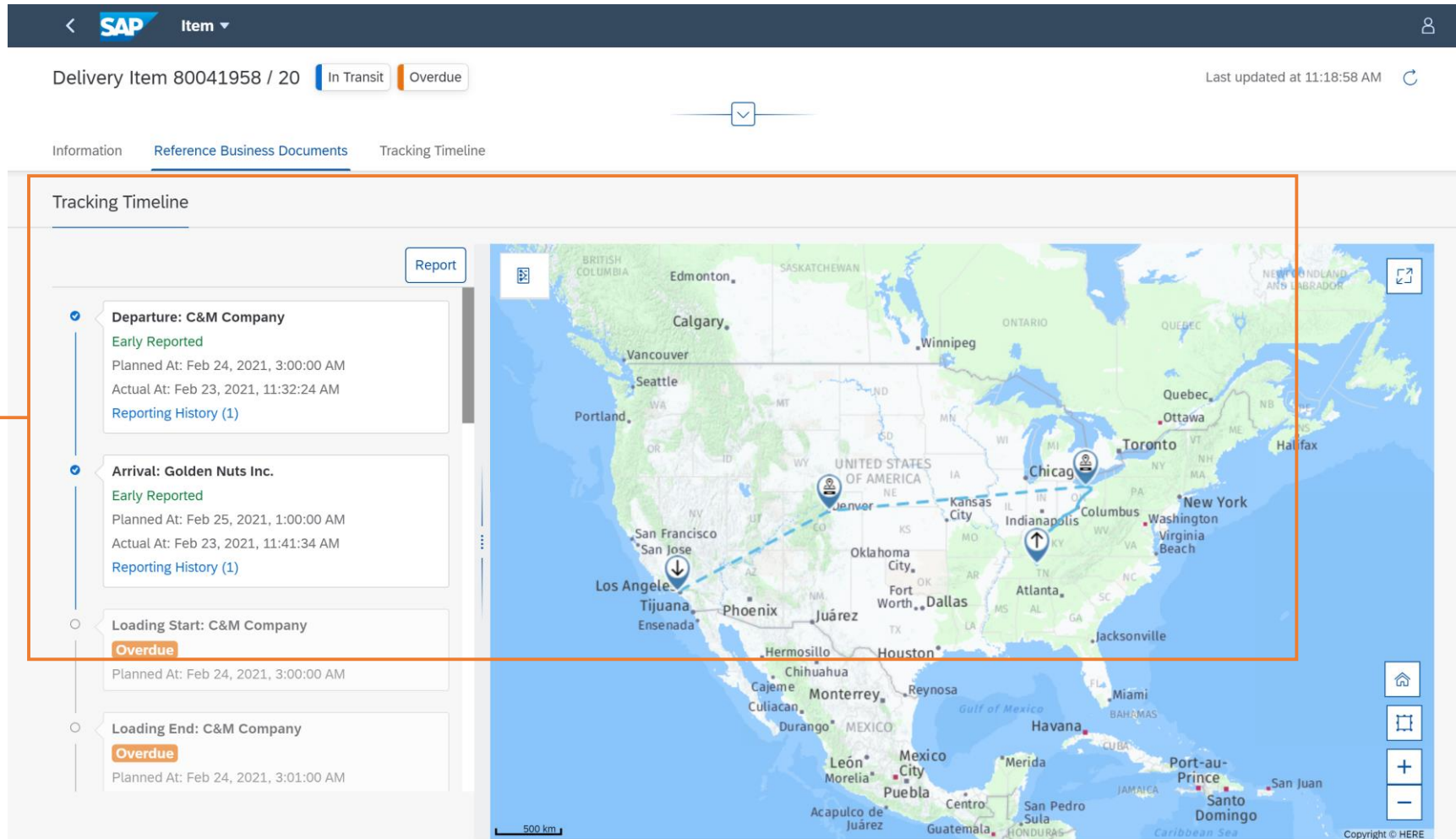


*Track delivery item's planned route and actual route*

# Shipment Detail – Report Planned POD with item quantity



*You can change the item quantity when report planned POD event.*

# Execution Status

By default, the shipment's execution status is "**Not Started**".

If the shipment's planned event is reported, the execution status will be changed to "**In Transit**".

If the shipment's all planned PODs are reported, the execution status will be changed to "**Completed**".

Once the execution status is set as "**Completed**", it cannot be changed any more.

*You can set your own execution status logic in Event-to-Action script.*

# Report Event from Visibility Provider to GTT

The following event types are supported.

- Delay

- Location Update

- Departure

- Arrival

# Report Event from TM to GTT

The following event types are supported:

- Departure

- Arrival

- Loading Start

- Loading End

- Unloading Start

- Unloading End

- Coupling

- Decoupling

# Synchronize Event from GTT to TM

The following event types are supported. You can only report a planned event or a delayed event that is referred to a planned event in TM.

- Delay

- Departure

- Arrival

- Loading Start

- Loading End

- Unloading Start

- Unloading End

- Coupling

- Decoupling

- POD

- POPU

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# Thank you.

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