



# SAP Business Network Global Track and Trace

## Track Shipments app

December 9<sup>th</sup>, 2020

PUBLIC

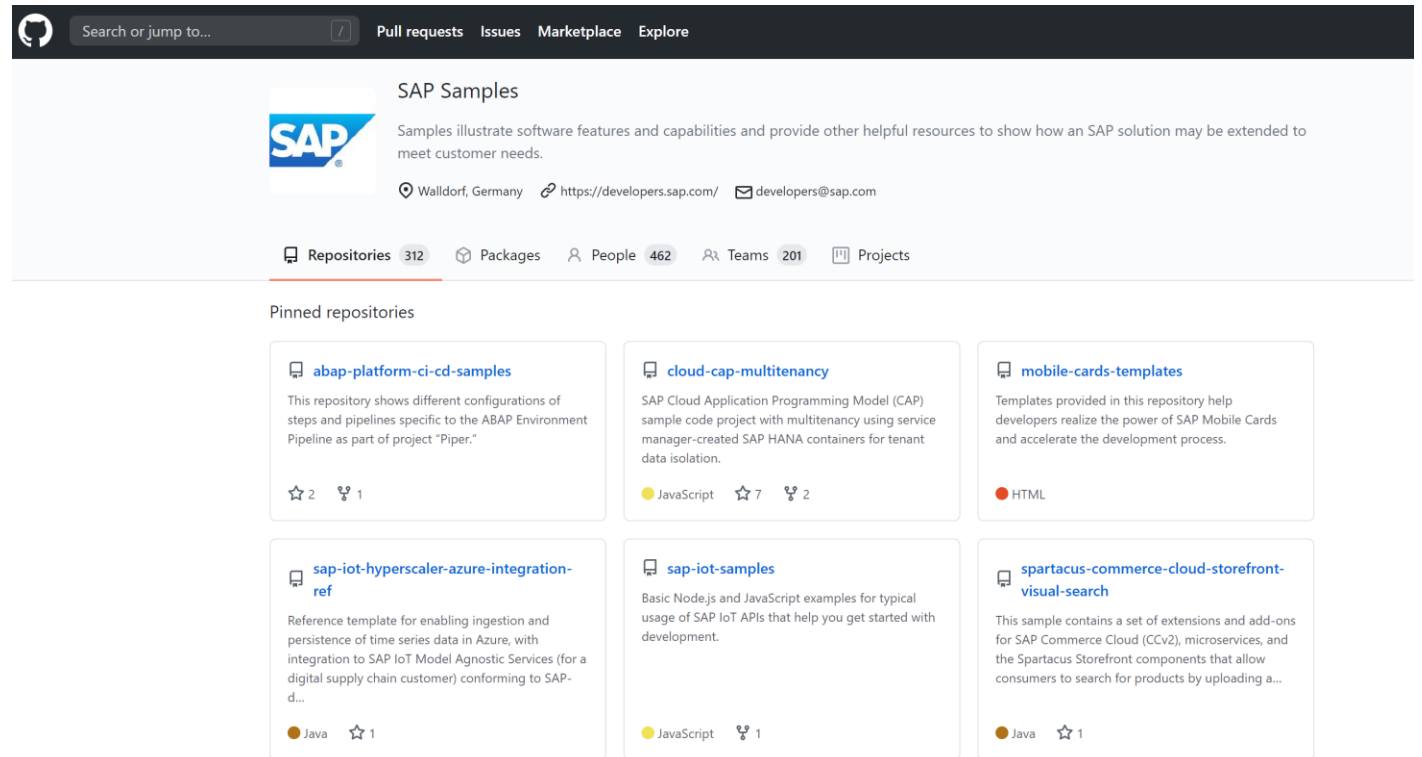
THE BEST RUN 

# Background Introduction

**Template apps\*** of SAP Business Network Global Track and Trace stand for codes, scripts, and associated documentation published by SAP to show customers and partners how to use SAP Business Network Global Track and Trace. They can also accelerate customers' and partners' development of applications that are intended to work with the solution.

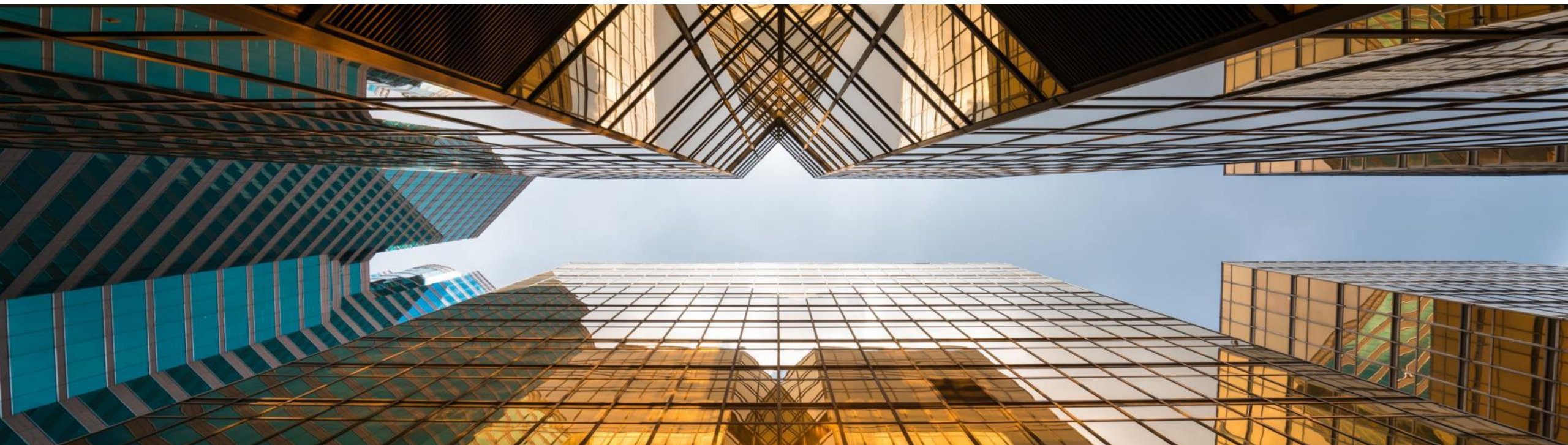
## Template apps for SAP Business Network Global Track and Trace

- Track Sales Orders app
- Track Shipments app
- Track Purchase Orders app
- .....





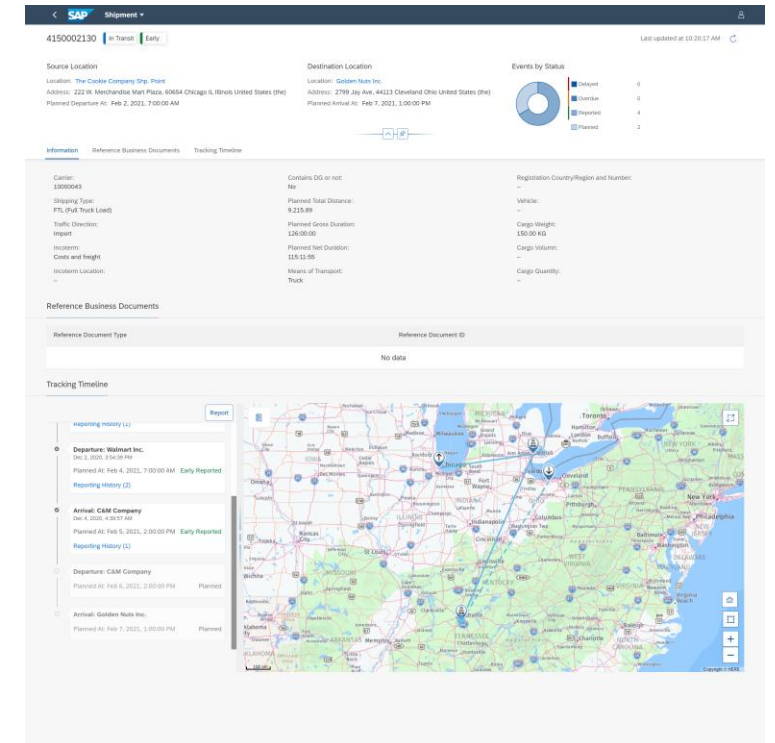
# Track Shipments App



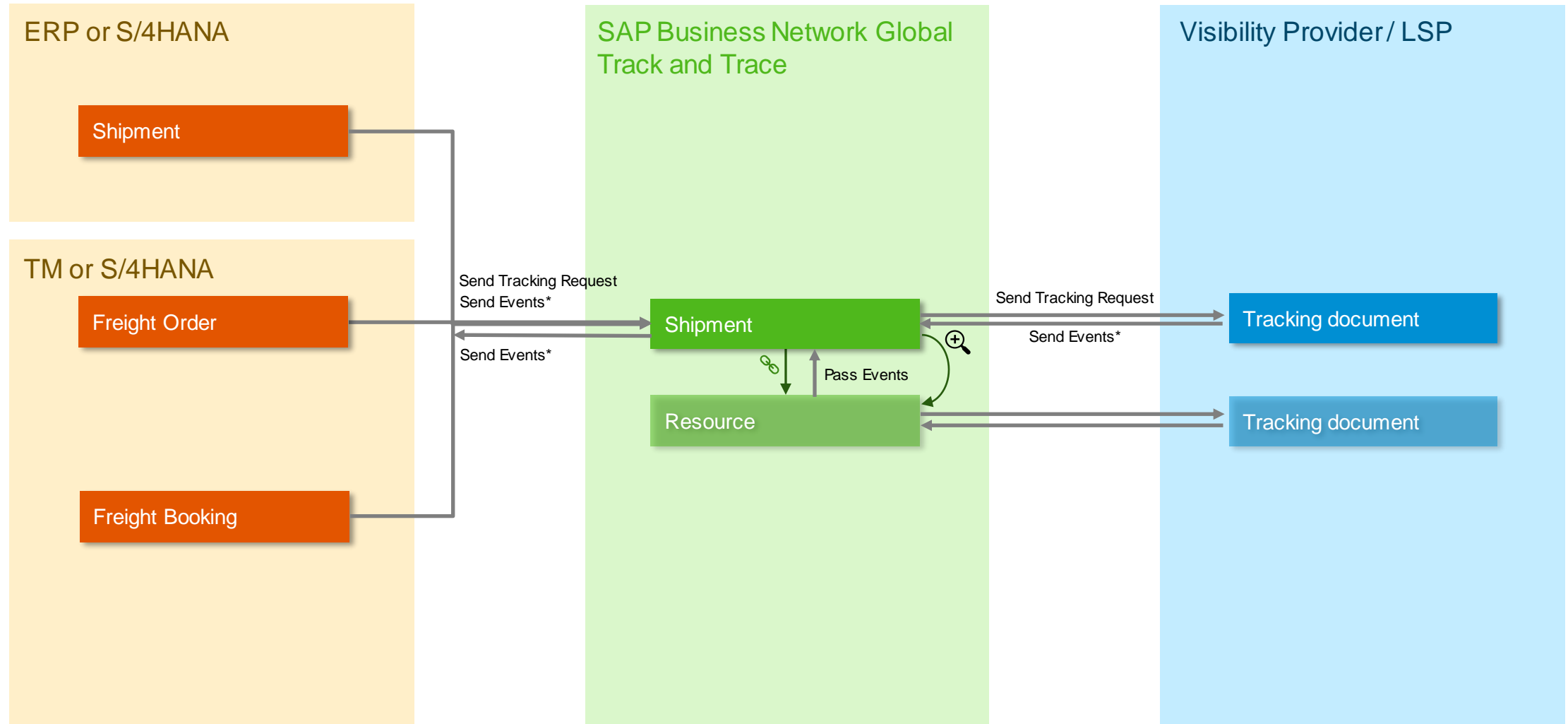
# Introduction

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:

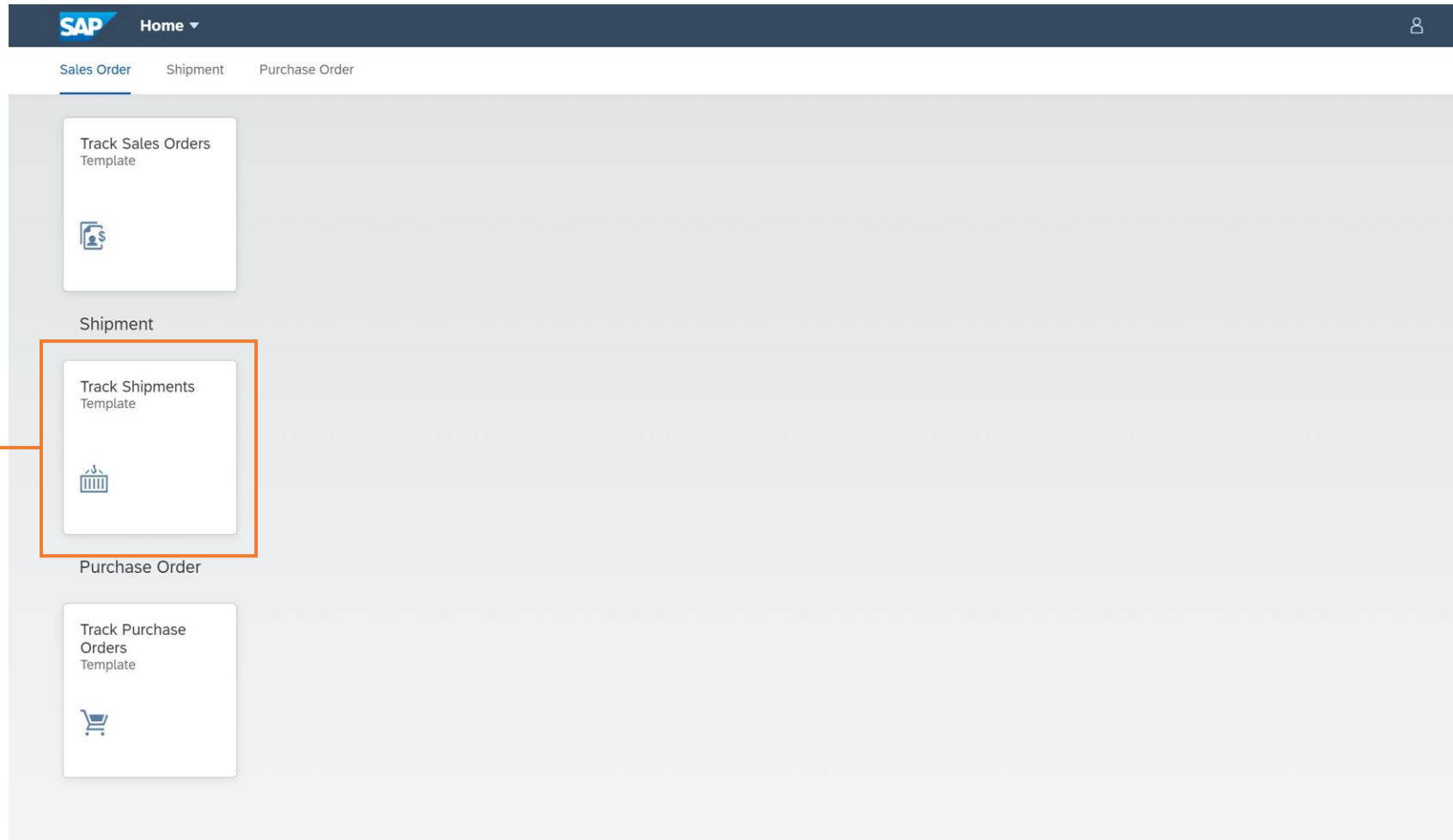
- Where is my shipment/road freight order/ocean freight booking?
- Has my shipment/road freight order/ocean freight booking been executed?
- What is the **next stop** of my shipment/road freight order/ocean freight booking?
- What is the **ETA** of my shipment/road freight order/ocean freight booking?



# Tracked Process Modeling in Track Shipments App



# Fiori Launchpad



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

# Shipment List

Standard

Shipment Number:

Carrier:

Process Status:

Execution Status:

Transportation Mode:

Shipping Type:

Vehicle:

Planned Departure Location:

Planned Arrival Location:

Delivery Number:

Adapt Filters

Go

Shipments (219)

Shipment Number	Carrier	Planned Departure	Planned Arrival	Execution Status	Process Status
0000002637	10002419	Port of Hamburg Dec 9, 2020, 7:00:00 AM	New York Harbor Jan 9, 2021, 7:00:00 AM	Not Started	Overdue
7100062217	10002419	MEB_CUS_46 Oct 31, 2018, 5:12:00 PM	Golden Nuts Inc.	Not Started	Overdue
9100062217	10002419	MEB_CUS_46 Oct 31, 2018, 5:12:00 PM	Golden Nuts Inc.	Not Started	Overdue
8100062217	10000043	MEB_CUS_46 Oct 31, 2018, 5:12:00 PM	Golden Nuts Inc.	Not Started	Overdue
6100062217	10000043	MEB_CUS_46 Oct 31, 2018, 5:12:00 PM	Golden Nuts Inc.	In Transit	Late
4150002201	10000043	The Cookie Company Shp. Point Feb 2, 2999, 7:00:00 AM	Walmart Inc. Feb 2, 2999, 5:00:00 PM	In Transit	Early
1100076128	10002419	<Undefined>	<Undefined>	Not Started	Delayed
1100063250	10002419	<Undefined>	<Undefined>	Not Started	Overdue
4150002177	10000043	The Cookie Company Shp. Point Feb 2, 2021, 7:00:00 AM	Golden Nuts Inc. Feb 7, 2021, 1:00:00 PM	In Transit	Early

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.

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

Visualize shipment by transportation mode.

# Shipment Detail

Highlight your shipment execution status\* and process status.

SAP

Shipment

0000002640

In Transit

As Planned

Source Location

Location: New York Harbor

Address: 70 Hamilton Ave, 11231 New York New York United States (the)

Planned Departure At: Dec 10, 2020, 4:00:00 PM

Destination Location

Location: Golden Nuts Inc.

Address: 2799 Jay Ave, 44113 Cleveland Ohio United States (the)

Planned Arrival At: Dec 10, 2020, 6:00:00 PM

Next Stop

Golden Nuts Inc.

ETA: Dec 9, 2020, 11:45:46 PM

18h 14m

Events by Status

Delayed

0

Overdue

0

Reported

1

Planned

5

Last updated at 3:41:15 PM

Information

Reference Business Documents

Tracking Timeline

Carrier: 10002419

Shipping Type: FTL (Full Truck Load)

Traffic Direction: -

Incoterm: -

Incoterm Location: -

Contains DG or not: No

Planned Total Distance: -

Planned Gross Duration: -

Planned Net Duration: -

Means of Transport: -

Registration Country/Region and Number: -

Vehicle: -

Cargo Weight: -

Cargo Volume: -

Cargo Quantity: -

Reference Business Documents

Reference Document Type

Reference Document ID

Consignment Identifier

FL 091021

Visibility Provider

500000556024

Tracking Timeline

Report

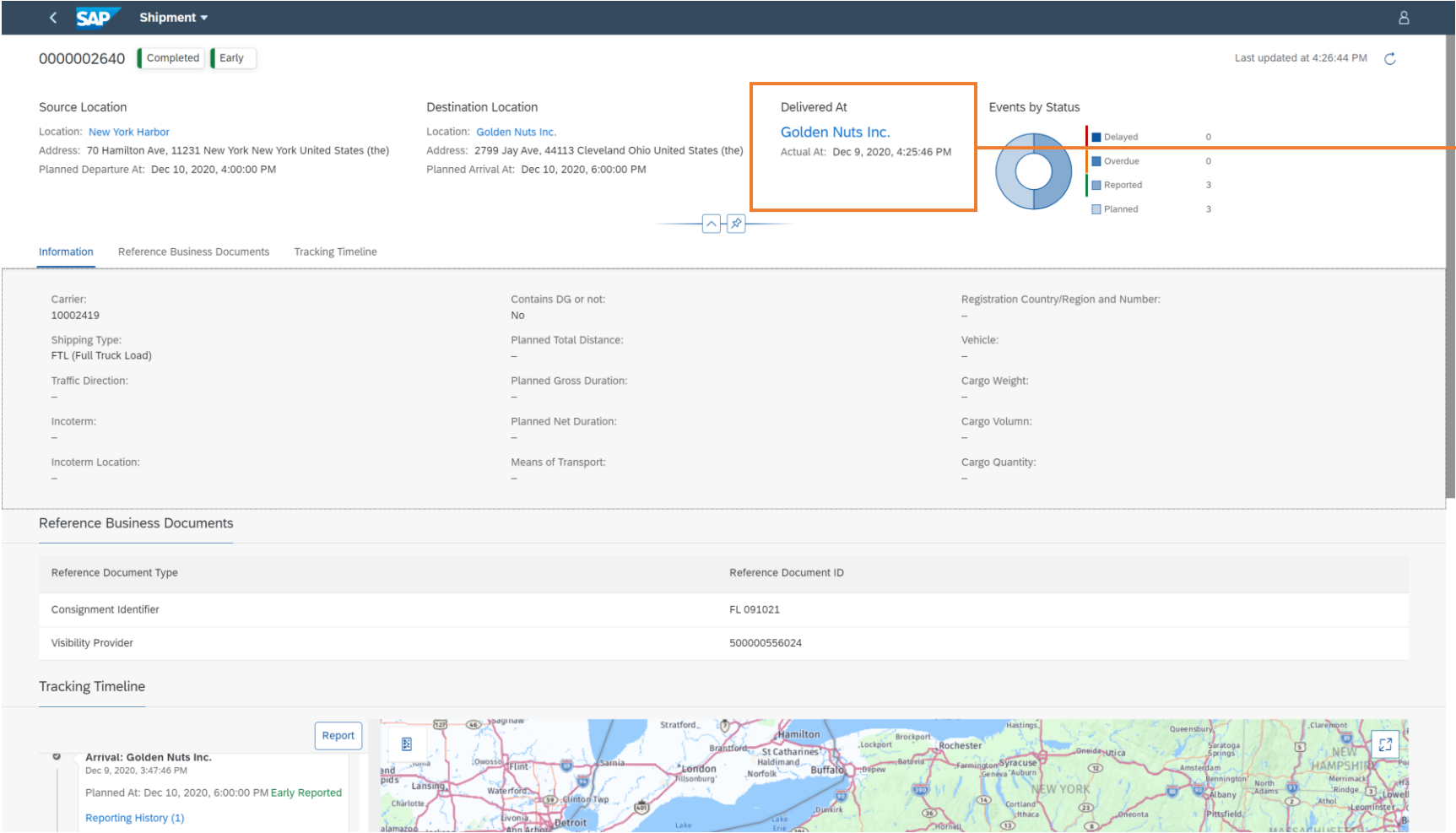
Show your shipment's Next Stop and relevant estimated time of arrival.

Show aggregated status by planned events' status of the shipment.

Show reference business documents from ERP or Visibility Provider.

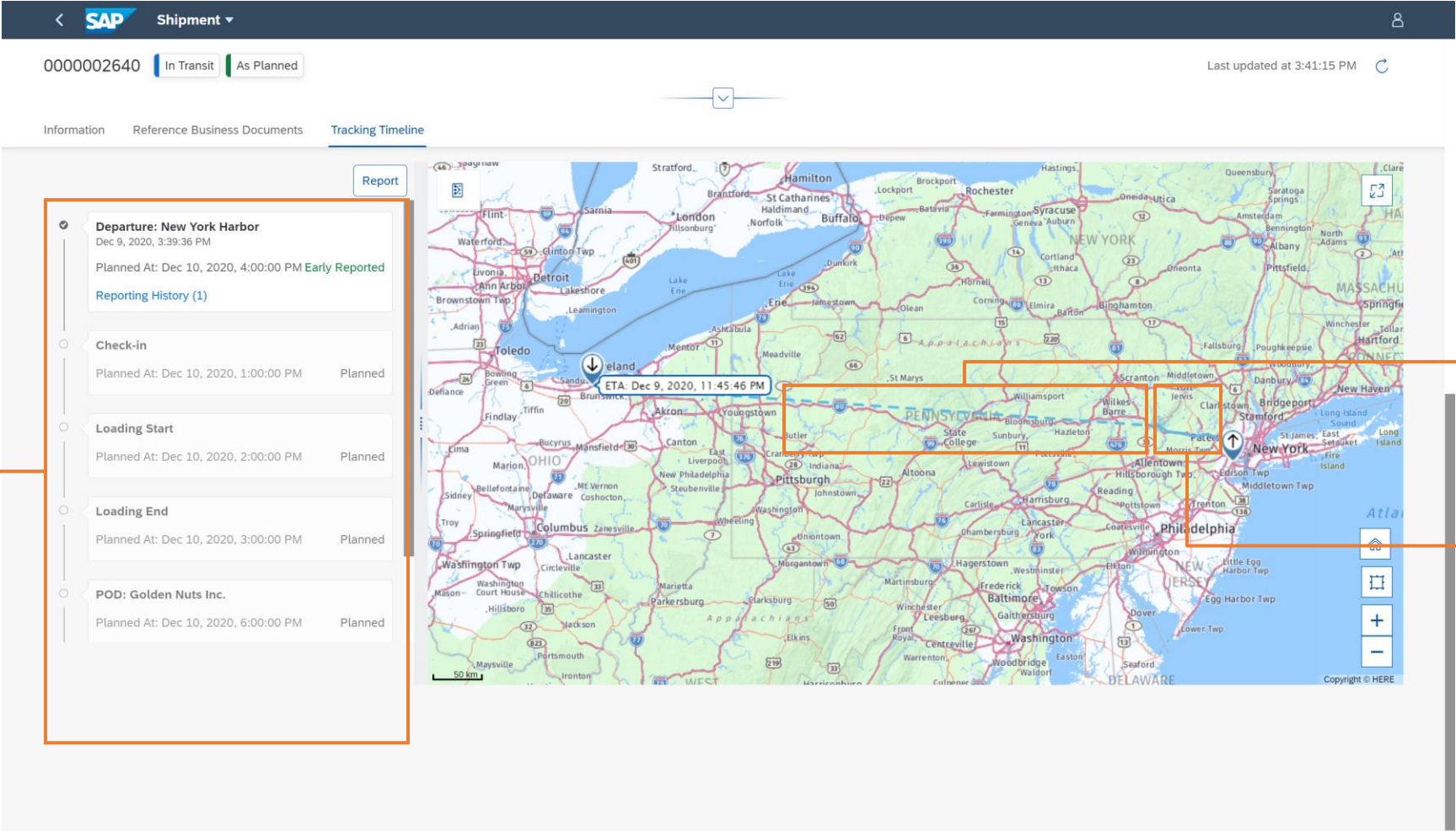


# Shipment Detail



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

# Shipment Detail

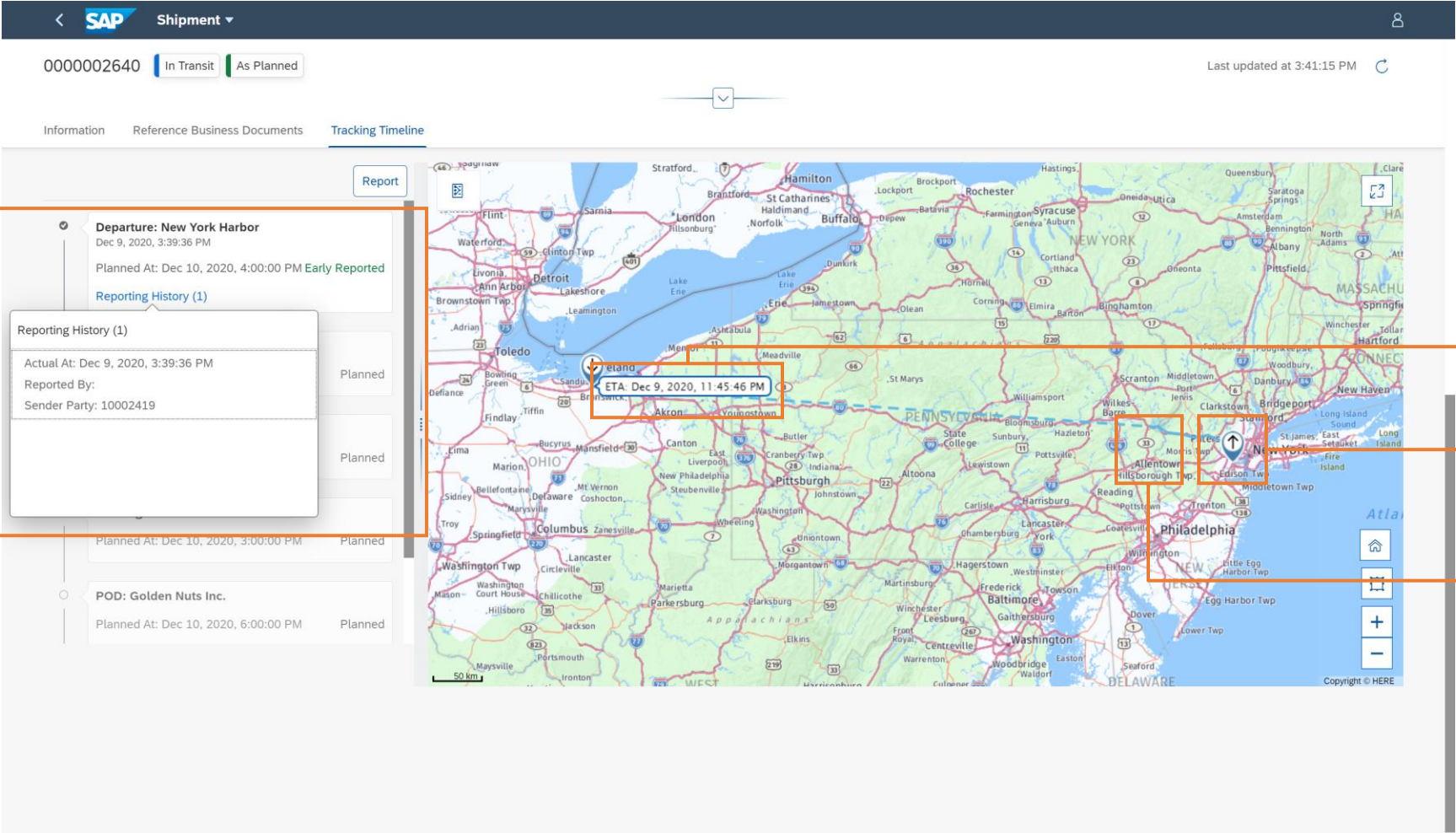


Show actual and planned milestones of your shipment.

Show planned route of your shipment with dotted line.

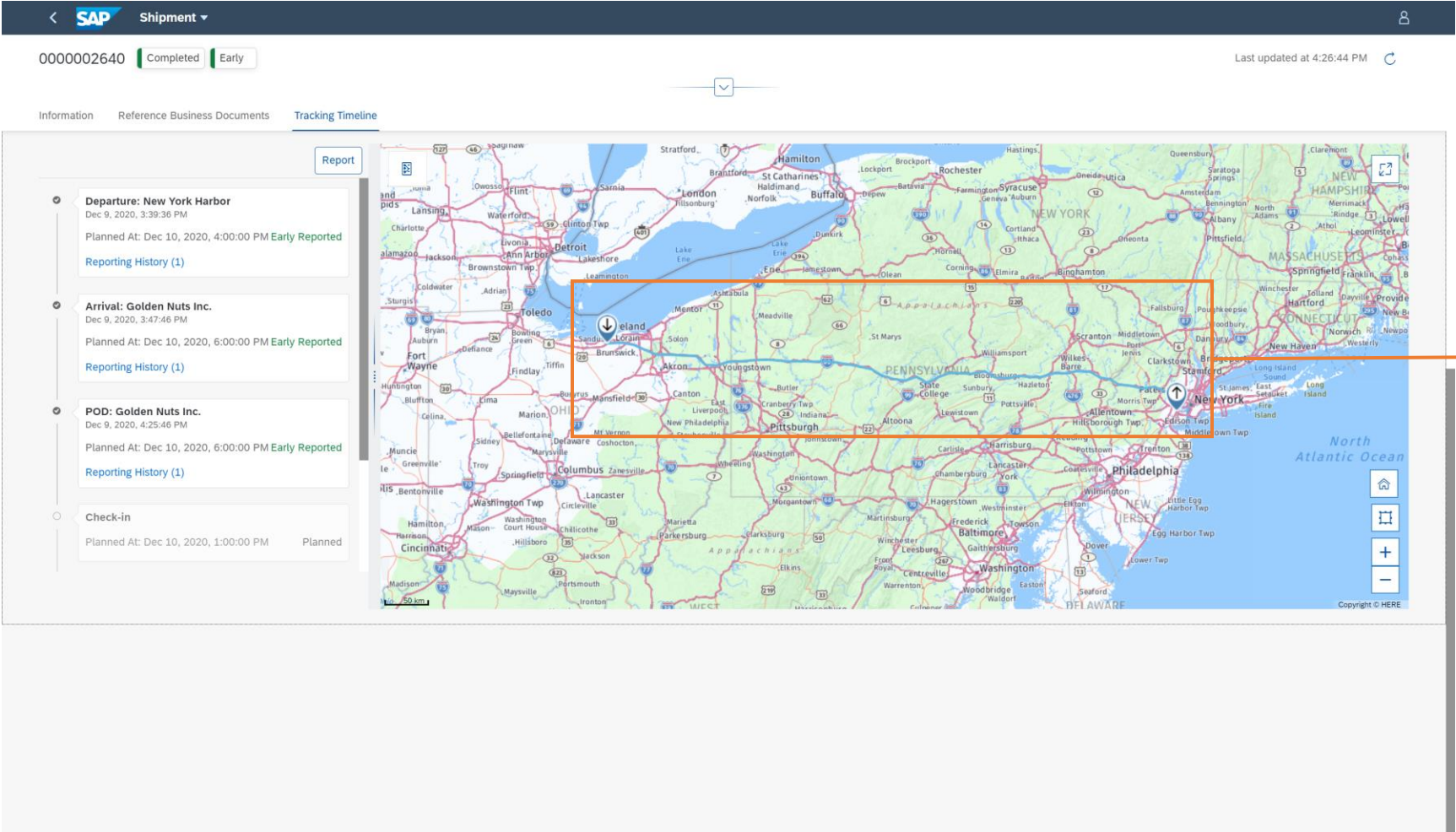
Show actual route of your shipment with solid line.

# Shipment Detail





# Shipment Detail



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



# Shipment Detail

0000002640

In Transit

As Planned

Last updated at 3:41:15 PM

Information

Reference Business Documents

Tracking Timeline

Report

Map

Departure: New York Harbor

Dec 9, 2020, 3:39:36 PM

Planned At: Dec 10, 2020, 4:00:00 PM

Reporting History (1)

Check-in

Planned At: Dec 10, 2020, 1:00:00 PM

Loading Start

Planned At: Dec 10, 2020, 2:00:00 PM

Loading End

Planned At: Dec 10, 2020, 3:00:00 PM

POD: Golden Nuts Inc.

Planned At: Dec 10, 2020, 6:00:00 PM

Report Planned Events

Planned Events Detail

Planned Event: \*

Departure: New York Harbor

Planned At: Dec 10, 2020, 4:00:00 PM

POD: Golden Nuts Inc.

Planned At: Dec 10, 2020, 6:00:00 PM

Arrival: Golden Nuts Inc.

Planned At: Dec 10, 2020, 6:00:00 PM

Check-in

Planned At: Dec 10, 2020, 1:00:00 PM

Loading Start

Planned At: Dec 10, 2020, 2:00:00 PM

Loading End

Planned At: Dec 10, 2020, 3:00:00 PM

Reported By: \*

sof\_test@163.com

Priority:

Event Reason Code:

Event Reason Text:

Report

Cancel

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

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# Shipment Detail

0000002640

In Transit

As Planned

Last updated at 3:41:15 PM

Information

Reference Business Documents

Tracking Timeline

Departure: New York Harbor

Dec 9, 2020, 3:39:36 PM

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Planned At: Dec 10, 2020, 2:00:00 PM

Loading End

Planned At: Dec 10, 2020, 3:00:00 PM

POD: Golden Nuts Inc.

Planned At: Dec 10, 2020, 6:00:00 PM

Report Unplanned Events

Unplanned Events Detail

Unplanned Event:\*

Gate-In Start

Gate-In End

Gate-Out Start

Gate-Out End

Unloading Start

Unloading End

Location Update

Delay

Stuffing

Return

POPU

POD

Departure

Arrival

Loading End

Reported By:\*

sc\_test@163.com

Priority:

Event Reason Code:

Event Reason Text:

Report

Cancel

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.

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# 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 SAP Business Network Global Track and Trace

The following event types are supported.

- Delay
- Location Update
- Departure
- Arrival



# Report Event from TM to SAP Business Network Global Track and Trace

The following event types are supported:

- Departure
- Arrival
- Loading Start
- Loading End
- Unloading Start
- Unloading End
- Coupling
- Decoupling

# Synchronize Event from SAP Business Network Global Track and Trace 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

# Thank you.

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