



SAP Business Network Global Track and Trace

Track SO Fulfillment app

February 26th, 2021

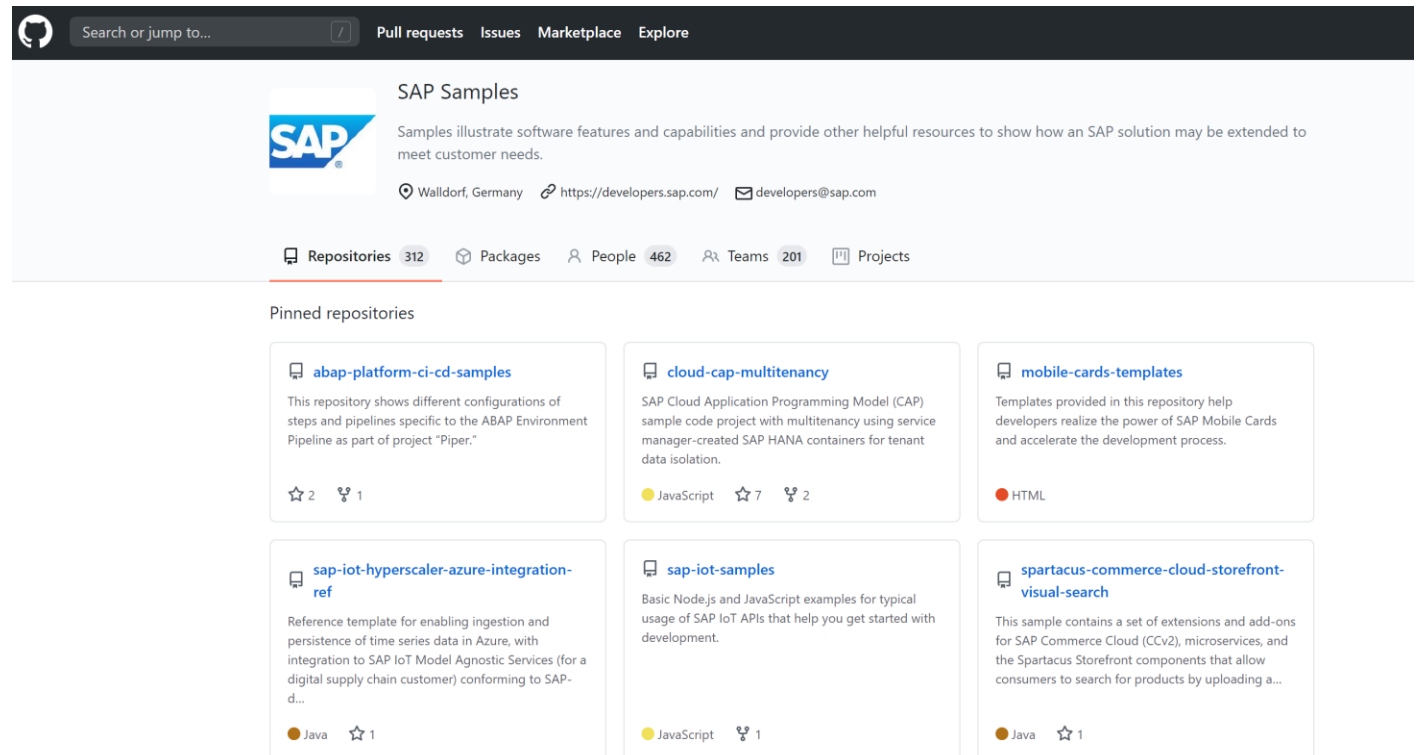
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Background Intro

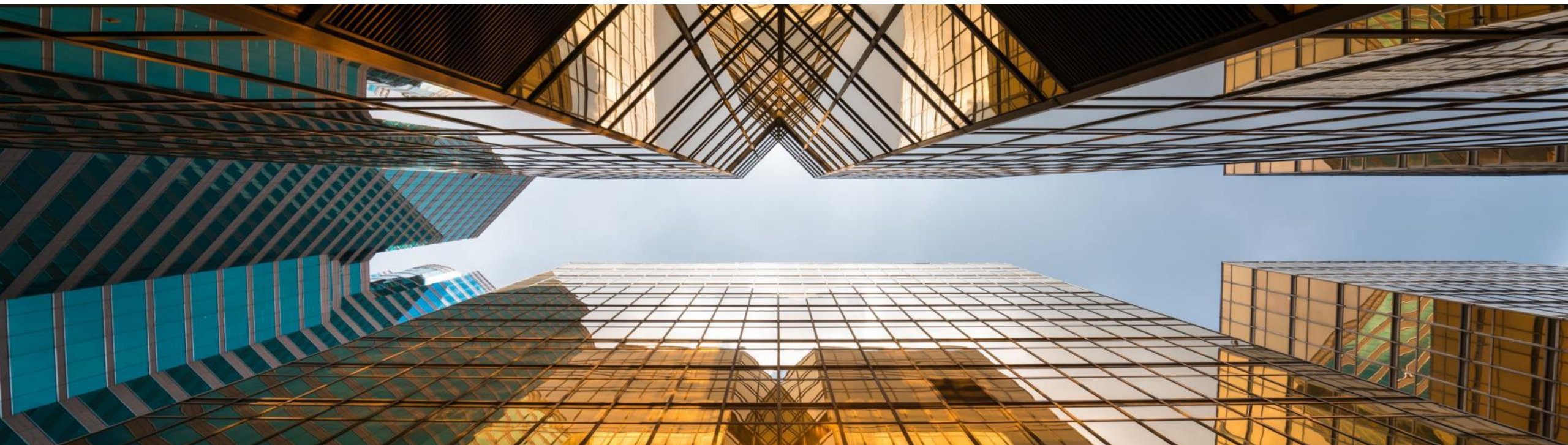
Template apps* of SAP Business Network Global Track and Trace stands for code, scripts, and associated documentation published by SAP for the purpose of educating customers and partners regarding the use of SAP Business Network Global Track and Trace. It will also accelerate customer and partner development of applications intended to work with SAP Business Network Global Track and Trace.

Template apps for SAP Business Network Global Track and Trace

- **Track SO Fulfillment app**
- **Track Shipments app**
- **Track Purchase Orders app**
-



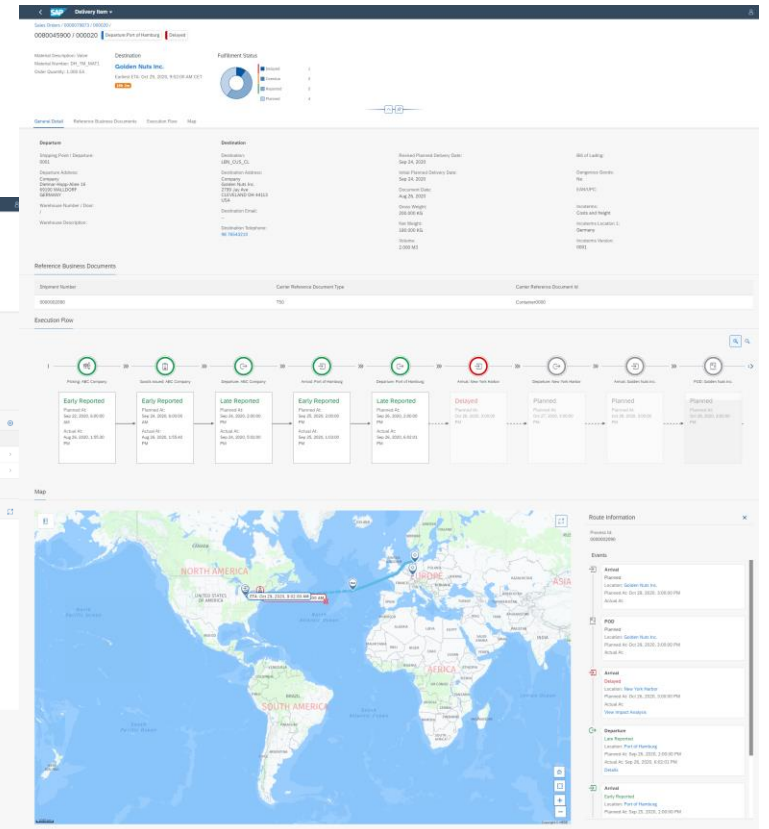
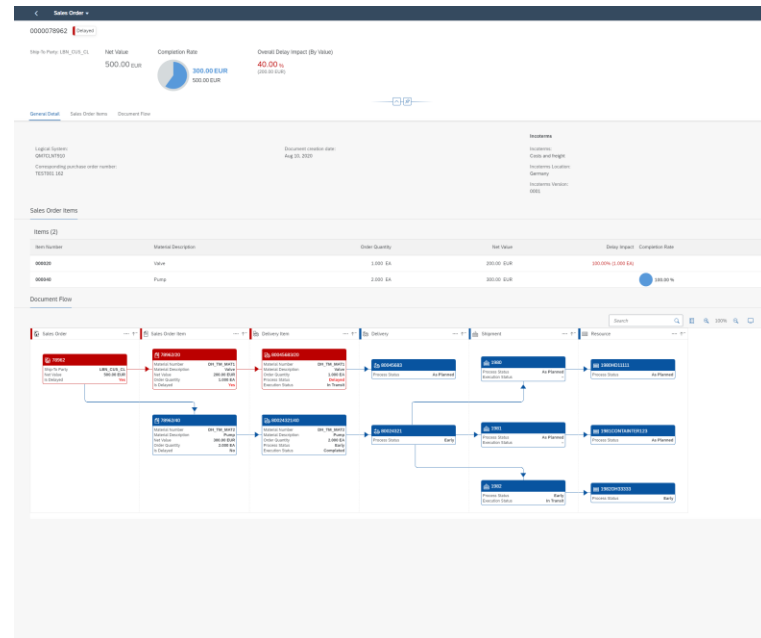
Track SO Fulfillment App



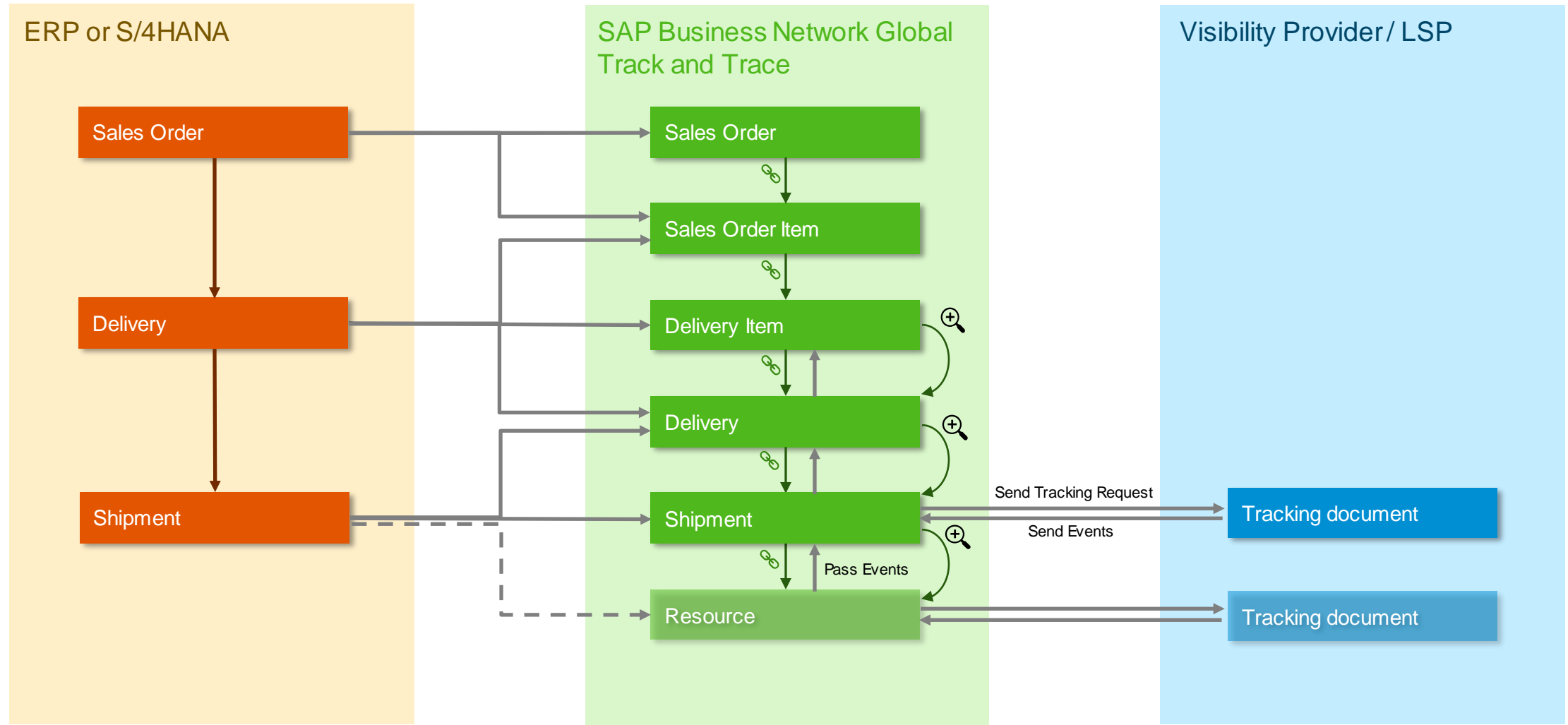
Introduction

Track SO Fulfillment app is the first template app for SAP Business Network Global Track and Trace. It is designed for internal sales representative to track the sales order status; it mainly answers following questions:

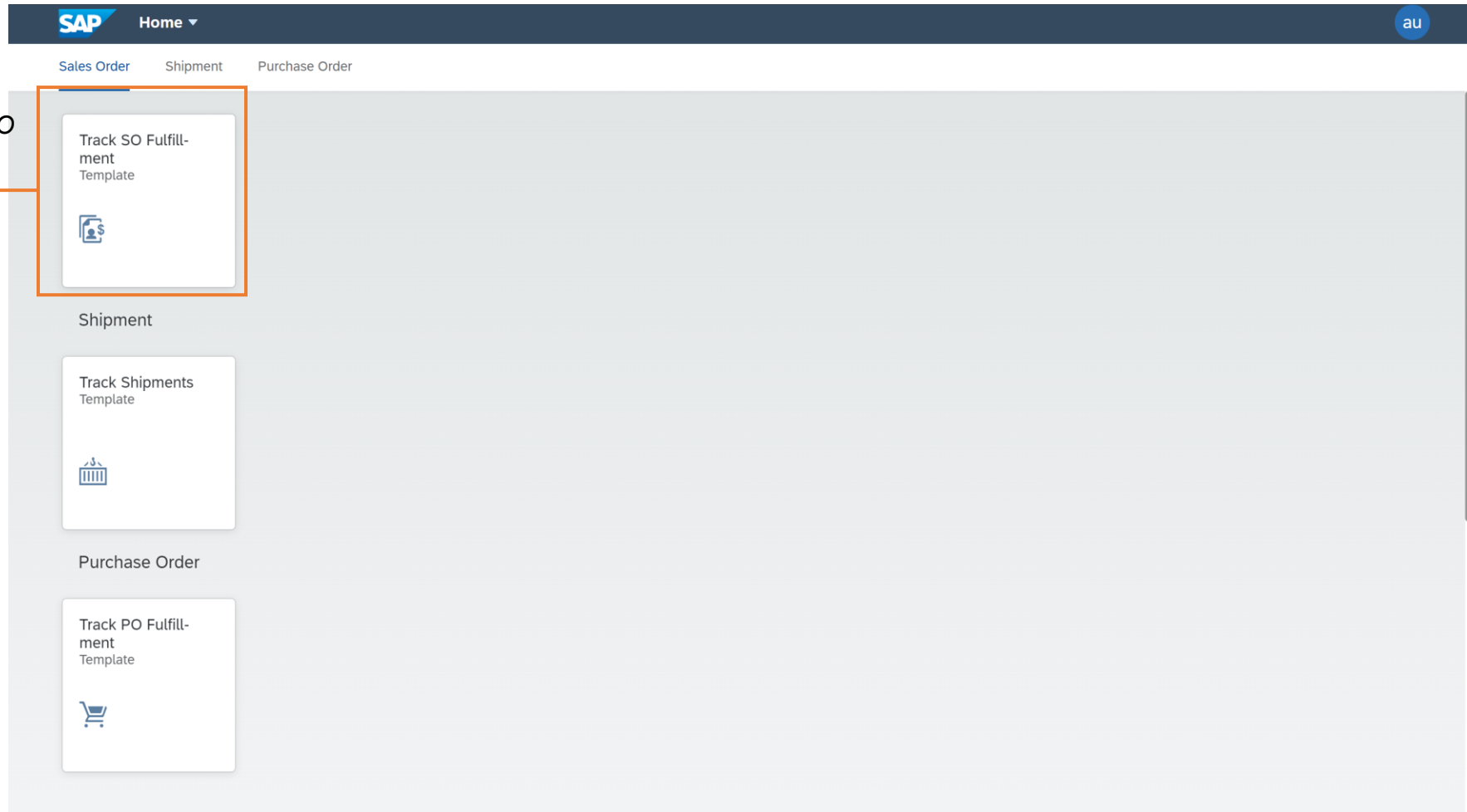
- How many deliveries in my sales order are **delayed**?
- How many are **completed**?
- **Where** are my sales orders ?
- What is the **ETA** of my sales orders?



Tracked Process Modeling in Track SO Fulfillment



Fiori Launchpad



In GTT template apps Fiori Launchpad, enter “Track SO Fulfillment” application

Sales Orders List

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

Standard ▾

Sales Order Number:

Purchase Order Number:

Ship-To Party:

Material Number:

Material Description:

Is Delayed:

Shipment Number:

Adapt Filters

Go

Sales Orders (172)

Sales Order Number

Ship-To Party

Completion Rate

Overall Delay Impact (By Value)

Net Value

Is Delayed

0000086931	Golden Nuts Inc.	500.00 EUR		500.00 EUR	No	>
9900074983	Golden Nuts Inc.			35.00 EUR	No	>
9900054522	Golden Nuts Inc.			265.00 EUR	No	>
9900091929	Golden Nuts Inc.			265.00 EUR	No	>
0000087098	Golden Nuts Inc.			265.00 EUR	No	>
0000086979	Golden Nuts Inc.			265.00 EUR	No	>
9900092363	Golden Nuts Inc.		86.79% (230.00 EUR)	265.00 EUR	Yes	>
9900073799	Golden Nuts Inc.			265.00 EUR	No	>
9900082661	Golden Nuts Inc.	265.00 EUR		265.00 EUR	No	>
9900029805	Golden Nuts Inc.	265.00 EUR		265.00 EUR	No	>
9900028619	Golden Nuts Inc.			265.00 EUR	No	>

Filter your shipment by various criteria, such as Material Number or shipment number.

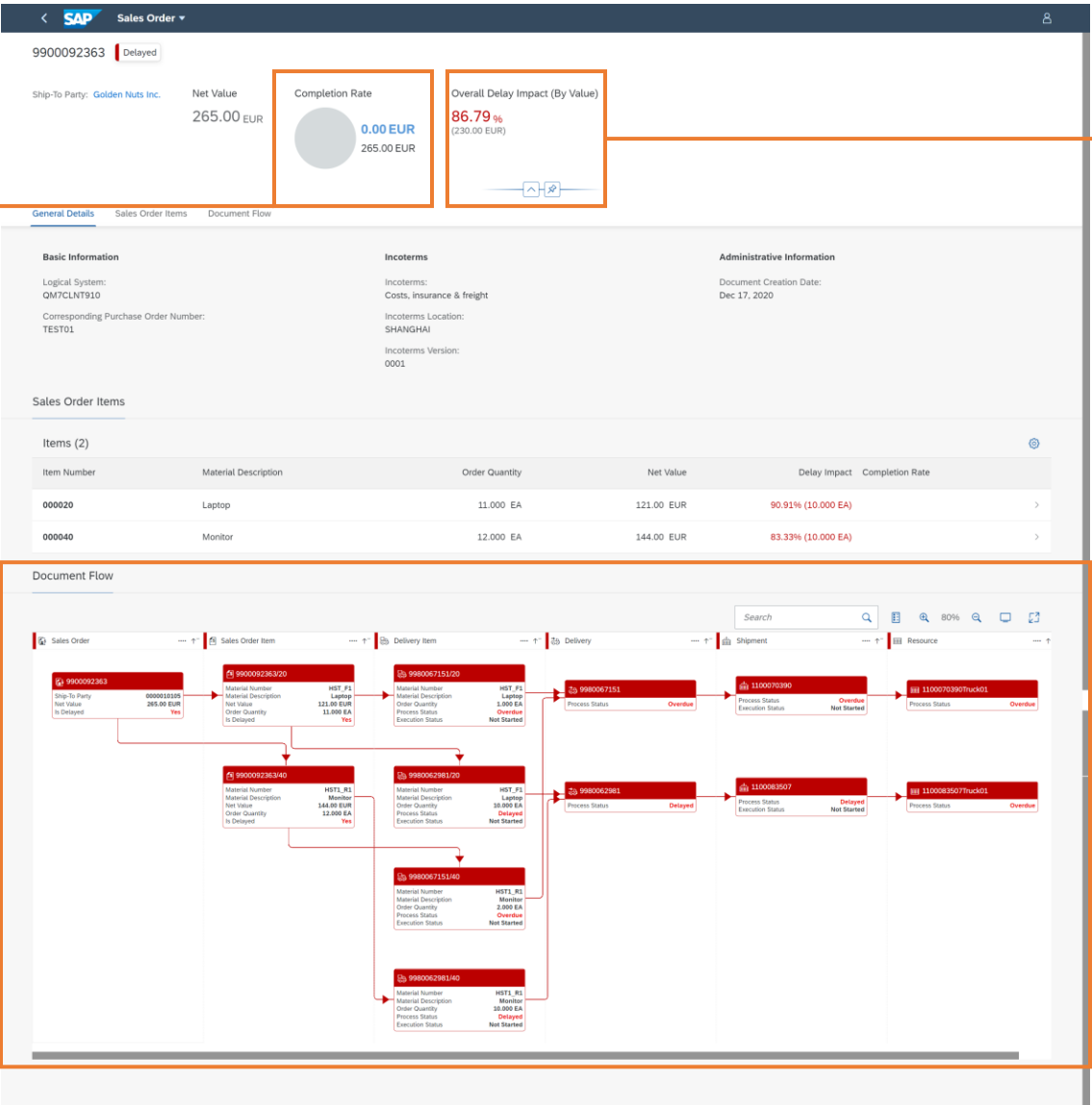
Highlight shipment under exceptional status, including Delayed, Overdue and Late.

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

Sales Order Detail

Show your sales order's completion rate and value by the sales order amount.

Show your sales order's delayed value and rate by the sales order amount.*



Show the sales order's relevant sales order items, delivery items, deliveries, shipments and resources.

Sales Order Detail

Delay Impact Value

0000049354

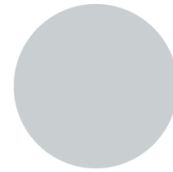
Delayed

Ship-To Party: 0000010105

Net Value

265.00 EUR

Completion Rate



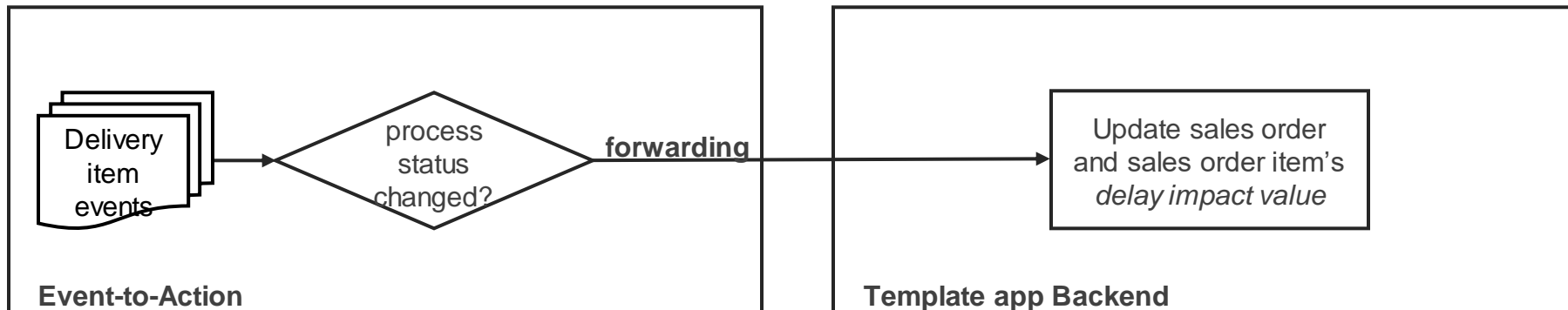
0.00 EUR
265.00 EUR

Overall Delay Impact (By Value)

100.00 %
(265.00 EUR)

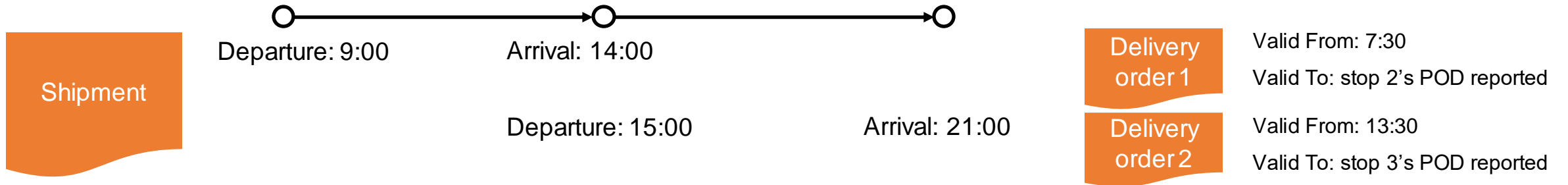
With the sales order delay impact value in the header, user can know the overall status of its relevant delivery items:

- Delay impact value is aggregated by delivery items' order quantity if process status is "Delayed".
- Re-calculation will be triggered when Event-to-Action detects delivery item's process status change.



Sales Order Detail

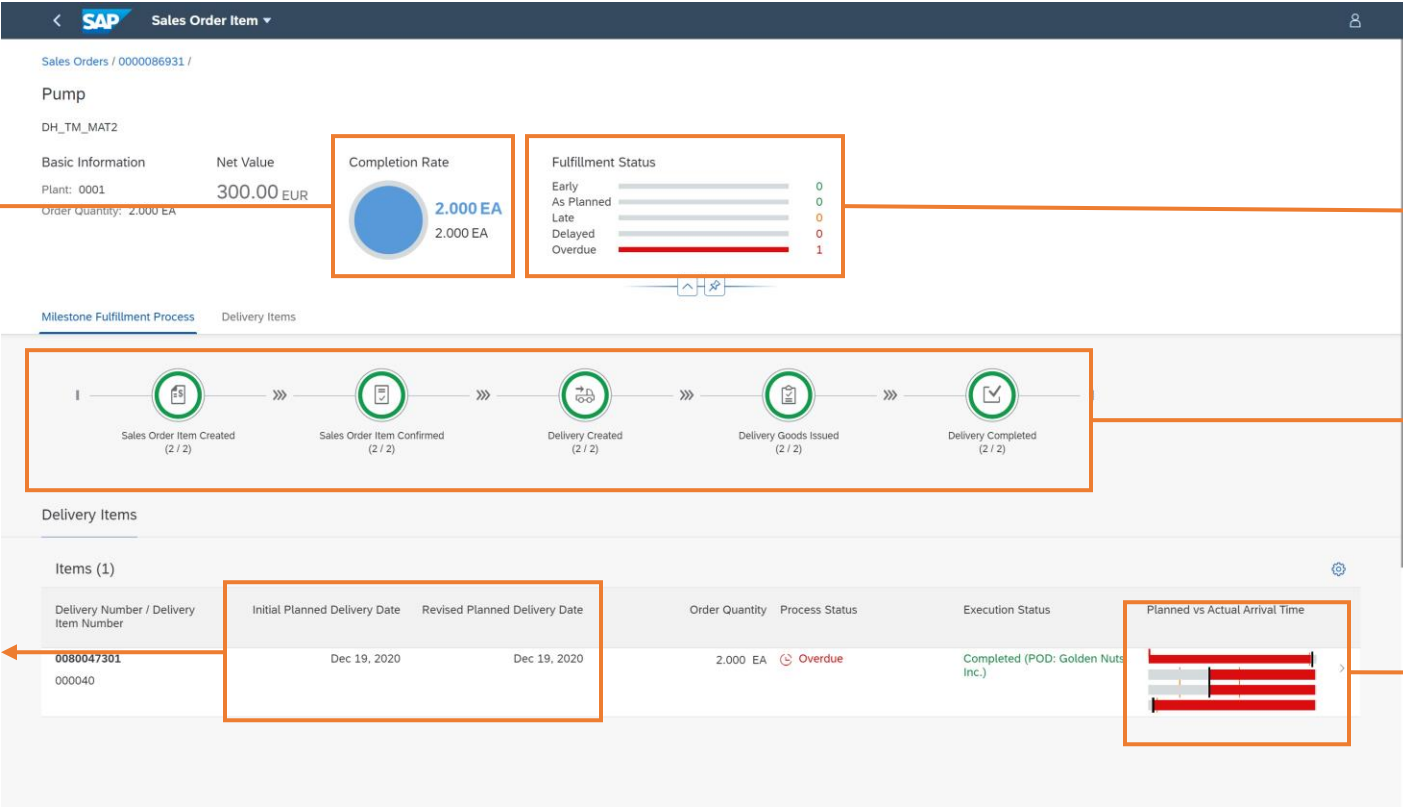
Customized Correlation Period with Event-to-Action



Considering the situation that one shipment might include other deliveries, the events could only be correlated from shipment to delivery at certain period:

- The correlation period starts 90 minutes before the first stop's planned departure datetime and ends when the last stop's POD event has been reported.
- The correlation period logic could be customized in Event-to-Action script.

Sales Order Item Detail



Sales Order Item Detail

Milestone Fulfillment Process

Sales Orders / 0000049354 /

Laptop Delayed

HST_F1

Milestone Fulfillment Process

Delivery Items

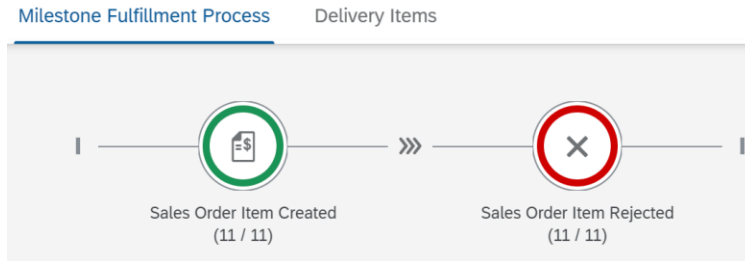


With the milestone fulfillment screen, the status of a sales order item is visualized. So the user can easily check if the sales order item has been delivered or being rejected. Below milestones are provided and could be customized:

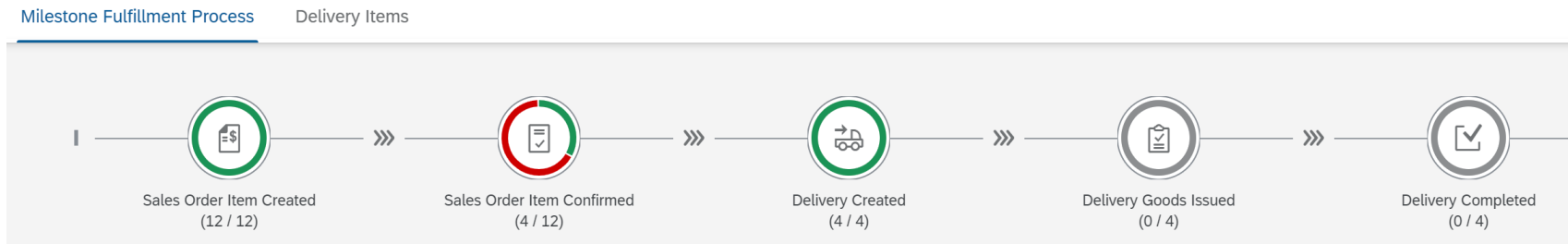
- Sales Order Item Created (order quantity)
- Sales Order Item Confirmed (order quantity in schedule line)
- Delivery Created (delivery quantity of the sales order item)
- Delivery Goods Issued (delivery quantity with GI actual events)
- Delivery Completed (delivery with execution status “Completed”)

Sales Order Item Detail

Milestone Fulfillment Process

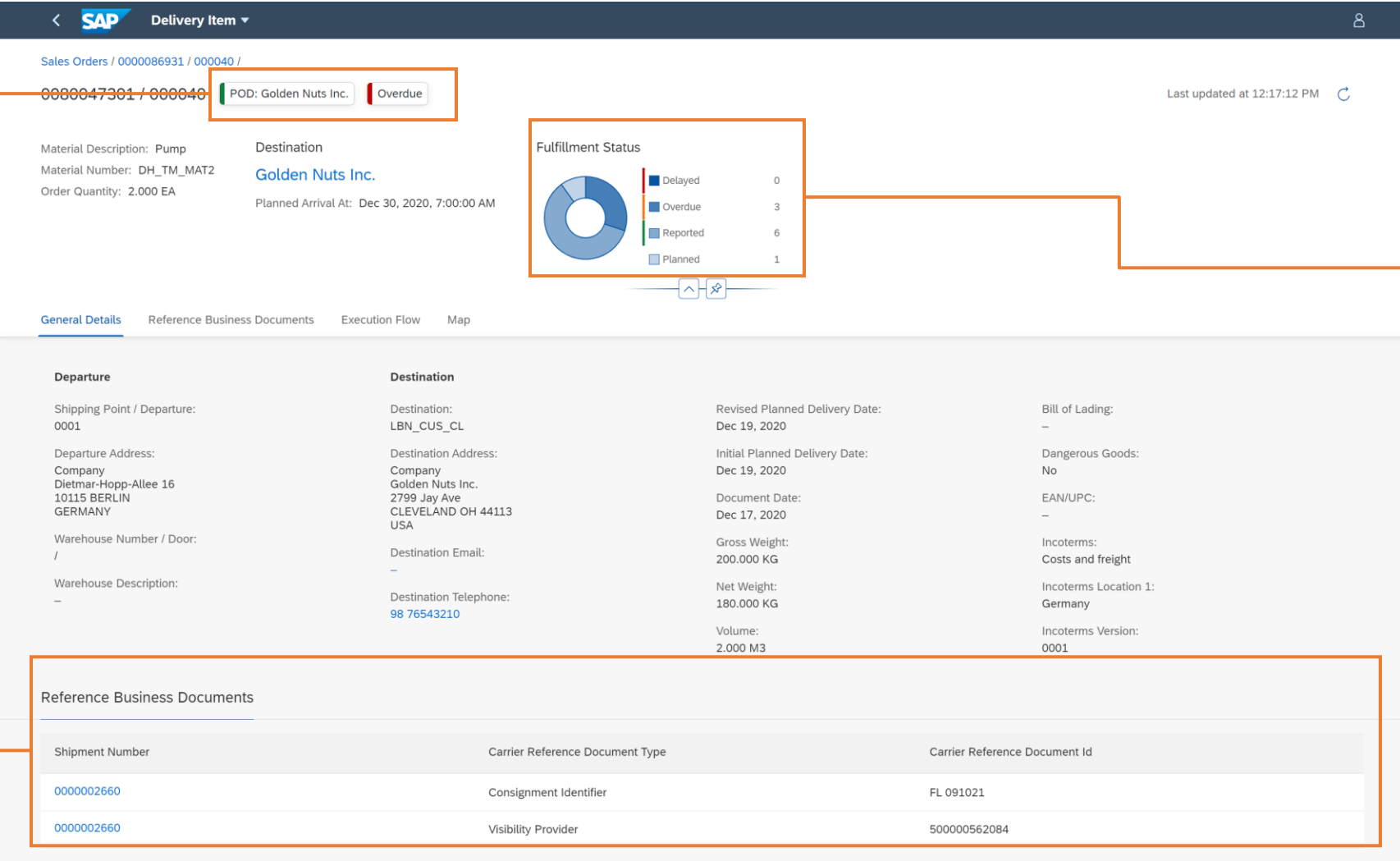


If all sales order items are rejected in ERP, the chart will change to two milestones: Sales Order Item Created and Sales Order Item Rejected.



If sales order item are partially rejected in ERP, percentage of rejected sales order items will be shown in the Sales Order Item Confirmed milestone with critical color.

Delivery Item Detail



Delivery Item Detail

Latest Milestone



In the delivery item detail page, the delivery item's execution status and latest milestone is displayed. So the user can quickly figure out the latest changes that happened in this delivery item.

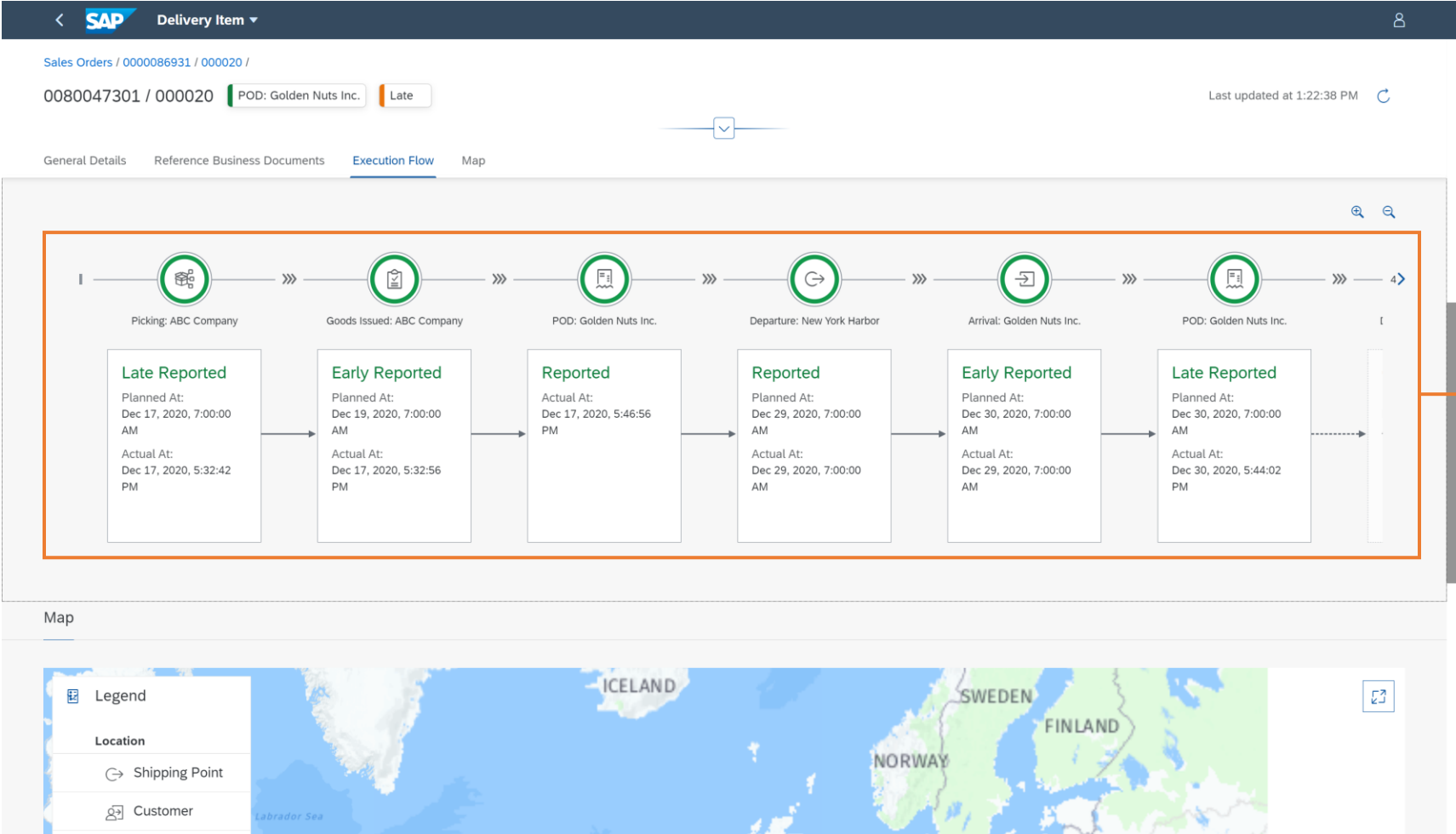
Execution Status:

- Default status as “Not Started” when tracked process is created.
- Change status to “In Transit” when delivery item’s planned event has been reported.
- Change status to “Completed” when delivery item’s POD or all relevant shipments POD has been reported.

Latest Milestone: the event with largest actual business datetime of the tracked process. This could be retrieved directly in Event-to-Action.

Delivery Item Detail

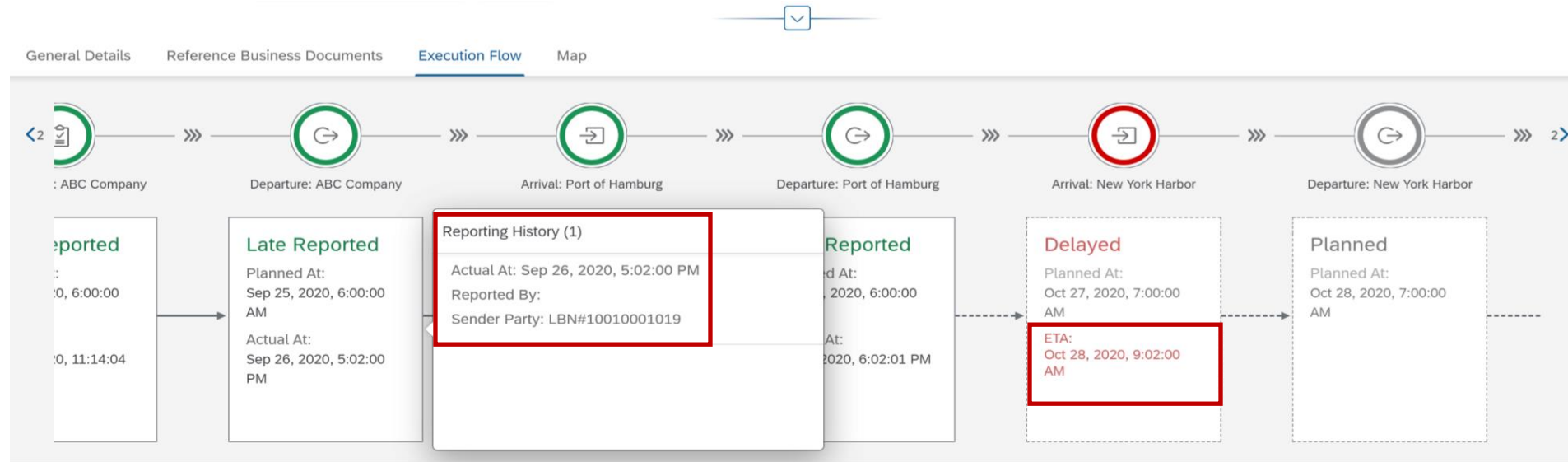
Execution Flow



With the execution flow screen, user can easily check how many planned events has been reported and how many are delayed or overdue.

Delivery Item Detail

Execution Flow

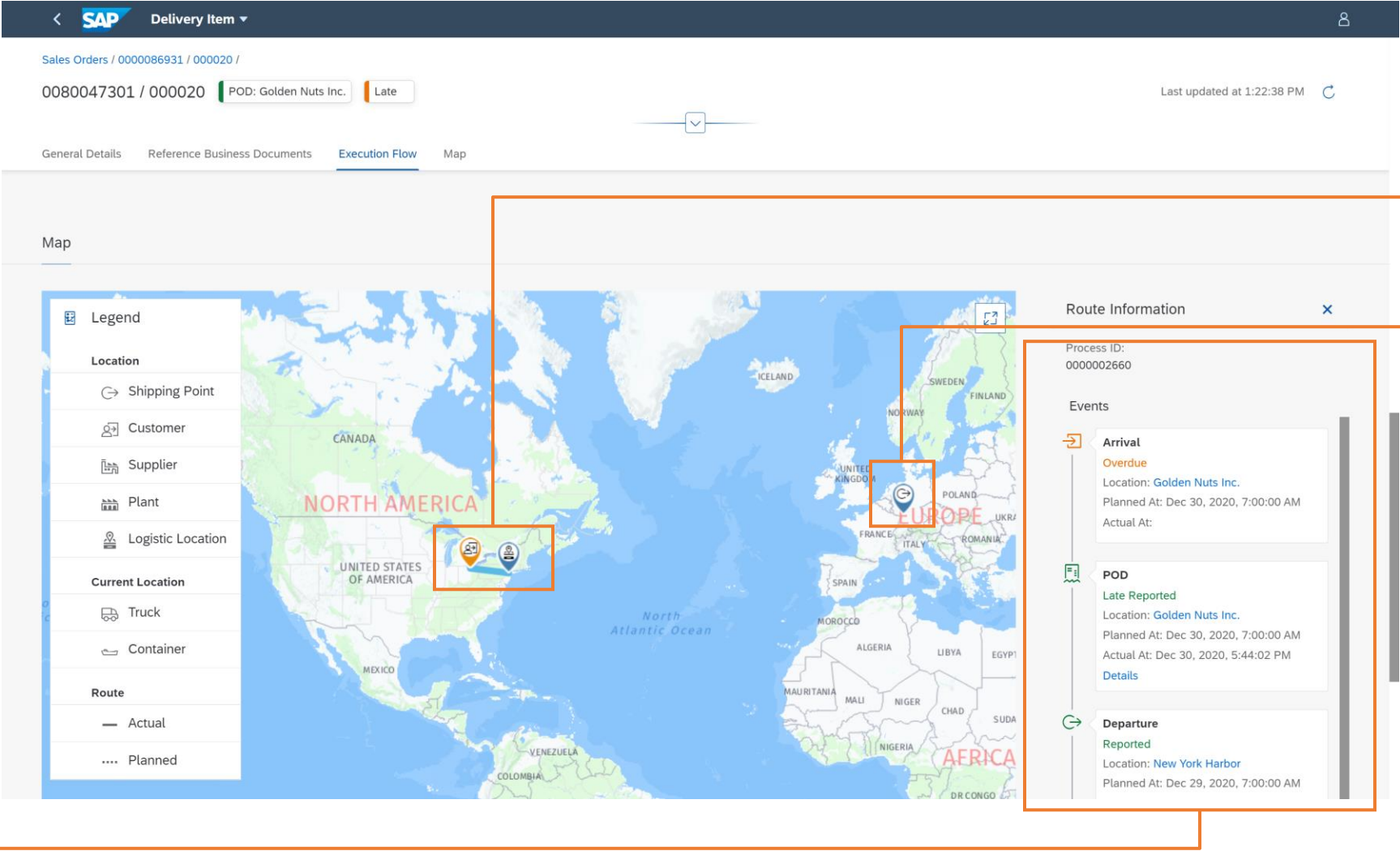


With the execution flow screen, the status of a delivery item is visualized. So the user can easily check how many planned events has been reported and how many are delayed or overdue. You can find below information in the execution flow:

- Reported events by actual datetime;
- Planned events by planned datetime;
- Reporting history for multiple reporting events;
- Estimated arrival time for planned events.

Delivery Item Detail

Map



Click route to show all relevant events in the route, process ID indicates the route's relevant shipment ID.


Each route indicates one shipment, show planned route of each shipment with dotted line and actual route of with solid line.

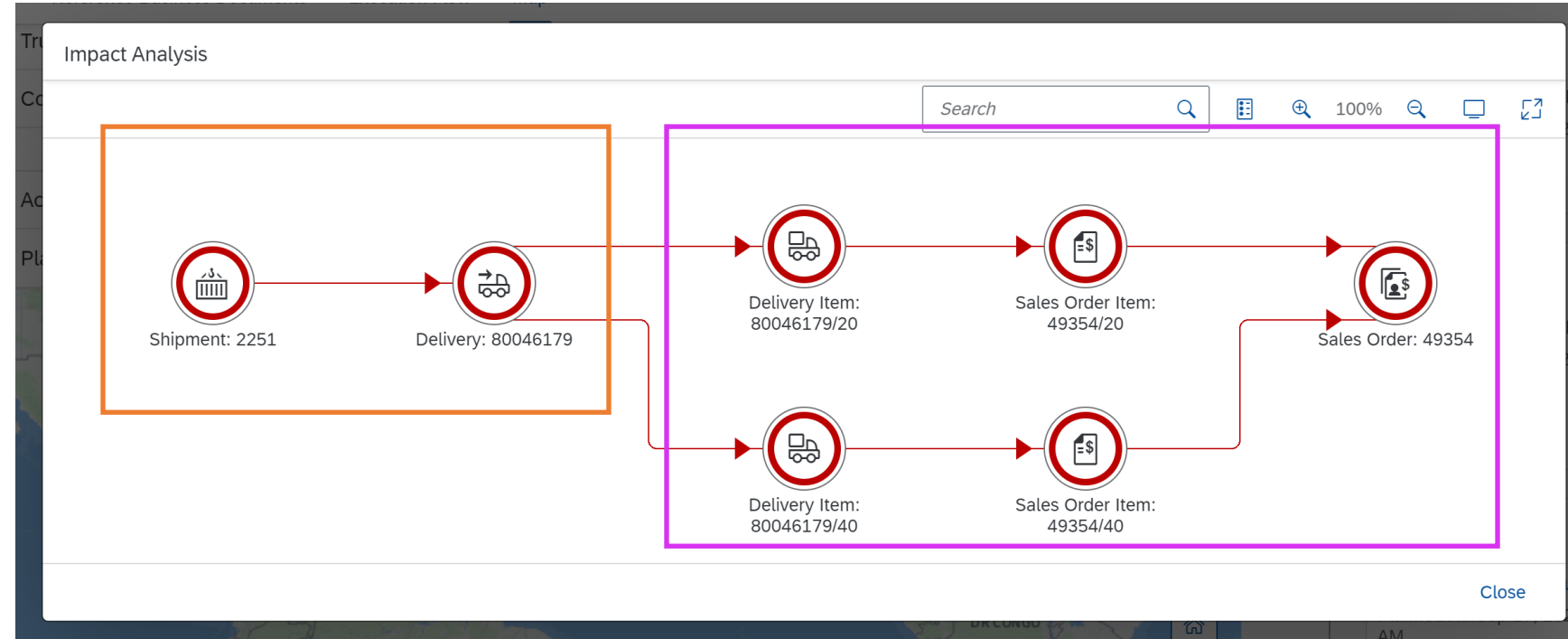
Each spot indicates one planned or actual event of the delivery item.

Delivery Item Detail

Impact Analysis for Delayed Planned Event

Events

 **Arrival**
Delayed
Location: [Golden Nuts Inc.](#)
Planned At: Aug 18, 2020, 6:00:00 AM
Actual At:
Event Reason:
[View Impact Analysis](#)



User can analyze how many sales orders have been impacted by a delay event.

 Only deliveries that are correlated by the delay event will show.

 All sales orders that are related with correlated deliveries will show.

Thank you.

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