

# SAP Business Network, project44 Add-Ons

## Feature Scope Description

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## **1 ABOUT THIS DOCUMENT**

This feature scope description covers the project44 add-ons for SAP Business Network. It defines the real-time visibility content services that are available for the following:

- SAP Business Network Freight Collaboration
- SAP Business Network Global Track and Trace

Note that the service scope and capabilities described in this documentation cover only the respective project44 add-ons.

## **2 INTRODUCTION**

SAP is extending the reach of SAP Business Network with project44 add-ons that provide real-time visibility content.

These add-on services leverage the project44 multi-mode carrier network with its established B2B connectivity to carrier and logistics provider systems, truck telematics, electronic logging devices, and so on.

With the add-ons for project44 visibility services, SAP Business Network users can benefit from the availability of actual shipment execution insights, such as real-time shipment location and event status for full truck loads, and real-time milestone status for less than truck load shipments. This allows for a holistic view of both planned and actual shipment status, as well as automatic business event detection.

project44 visibility content is available to SAP Business Network users through supplementary, add-on licenses from SAP.

## 2.1 project44 Add-Ons for SAP Business Network Freight Collaboration

SAP Business Network Freight Collaboration delivers out-of-the-box, native connectivity to the project44 Advanced Visibility Platform™.

The following add-ons are available as ready-to-run scenarios:

- SAP Business Network, project44 FTL visibility add-on
- SAP Business Network, project44 LTL visibility add-on
- SAP Business Network, project44 ocean visibility add-on

The visibility add-ons allow usage of project44 real-time visibility data with the SAP Business Network for Logistics, *Track Freight Movement* app, for full truckload (FTL), less than truck load (LTL) and ocean shipment tracking. They enable project44 actual shipment visibility data to be leveraged, including truck and vessel location for full truck loads and full container and less than container ocean shipments (with geocoordinates and timestamps), event status and milestone status (with location and timestamp) for less than truck load. Predicted estimated time of arrivals (ETAs) are also available for road shipments. In this way, the *Track Freight Movement* app for shippers, brings together both planned and actual shipment information to provide users with an accurate overview of the freight order execution status for improved logistics and resource capacity planning.

## 2.2 project44 Add-Ons for SAP Business Network Global Track and Trace

SAP offers add-on licenses to enrich execution status of tracked process with project44 real-time visibility content into SAP Business Network Global Track and Trace (GTT). Solution owners can, for example, receive visibility data from the project44 Advanced Visibility Platform.

Visibility data from project44 is available with out-of-the-box integration for tracking across different shipment modes. The following add-ons may be purchased for users to view project44 visibility data in GTT tracked processes:

- SAP Business Network, project44 FTL visibility add-on
- SAP Business Network, project44 LTL visibility add-on
- SAP Business Network, project44 ocean visibility add-on
- SAP Business Network, project44 air visibility add-on
- SAP Business Network, project44 parcel visibility add-on
- SAP Business Network, project44 rail visibility add-on

Each project44 add-on license:

- includes only the right to use the corresponding project44 content and data with a GTT tracked process
- is separate and must be purchased individually.

### Note

1. The following are not included with the project44 add-on licenses or with the license for SAP Business Network Global Track and Trace:
  - out-of-the-box integration of the GTT solution with project44 for rail.
  - a GTT model template customized for a project44 scenario for rail.
  - configuration and/or extensions such as business partner setup and locations.
2. When creating the partner connection in the Configure Partner Connections app, solution owners must choose the following as the network partner:
  - To use the project44 FTL visibility add-on, choose **“Project44, Inc.”**.
  - To use the project44 LTL visibility add-on, ocean visibility add-on, air visibility add-on, and parcel visibility add-on, choose **“Project44, Inc. – Unified”**.

3 FEATURES

The following SAP Business Network, project44 add-ons are available to shippers or solution owners:

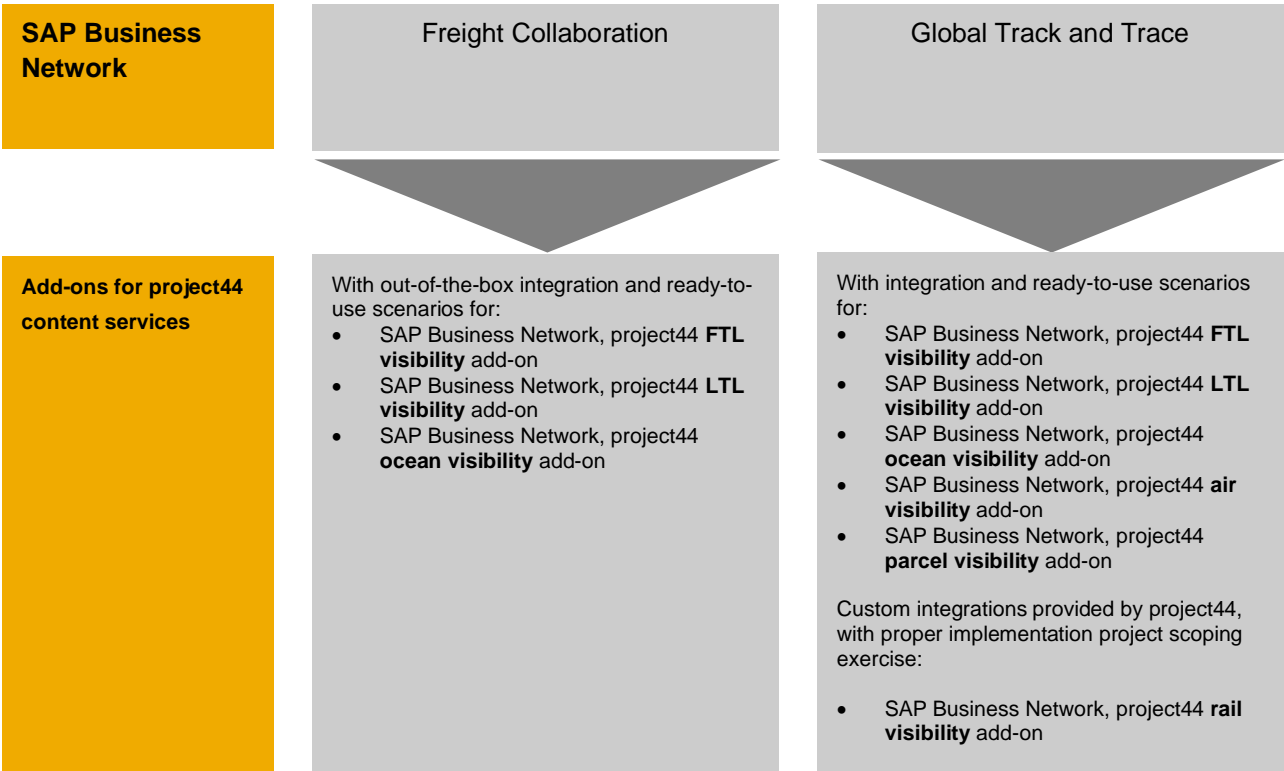


Figure 1: Available SAP Business Network, project44 add-ons

### 3.1 SAP Business Network, project44 FTL Visibility Add-On

Feature	Description
Shipment tracking initiation	<ul style="list-style-type: none"> <li>Initiate tracking with carrier using shipment identifier.</li> </ul>
Real-time shipment location tracking	<ul style="list-style-type: none"> <li>Receive real-time shipment location updates from carriers via electronic logging device (ELD), telematics, direct API connections, and smartphone applications.</li> <li>Geolocation updates are received every 15-minutes by default.</li> </ul>
Event status tracking and predictive estimated time of arrival	<ul style="list-style-type: none"> <li>Receive enriched data with applied predictive analytics for accurate arrival, departure, ETA and delivery information.</li> <li>View dynamic, predictive estimated time of arrival times for the next stop. ETAs dynamically change with every data point and are responsive to real-time conditions including traffic patterns, weather, and road conditions.</li> <li>In the US, driver hours of service are factored into predictive driver idle time and further refine the accuracy of the dynamic ETA.</li> </ul>

### 3.2 SAP Business Network, project44 LTL Visibility Add-On

Feature	Description
Shipment tracking initiation	<ul style="list-style-type: none"> <li>Initiate tracking with a carrier via                             <ul style="list-style-type: none"> <li>a SCAC code and a purchase order number</li> <li>a SCAC code and a bill of lading (BOL) number</li> <li>a SCAC code and a master bill of lading number</li> <li>a SCAC code and a progressive rotating order number</li> <li>a SCAC code and a pickup reference number</li> </ul> </li> </ul> <p>and source and destination information.</p>
Milestone tracking	<ul style="list-style-type: none"> <li>Receive milestone updates from project44 via APIs, such as arrival, delay, delivered, departure, and pick-up.</li> <li>Milestone status updates are triggered as they occur.</li> <li>The information received from project44 may vary due to different carriers.</li> </ul>



### 3.3 SAP Business Network, project44 Ocean Visibility Add-On

Feature	Description
Shipment tracking initiation	<ul style="list-style-type: none"> <li>Initiate tracking of a container with                             <ul style="list-style-type: none"> <li>a SCAC code and a container number</li> <li>a SCAC code, a bill of lading (BOL) number, and a container number</li> <li>a SCAC code, a booking reference number, and a container number.</li> </ul> </li> </ul> <p>Note that SAP Business Network Global Track and Trace supports tracking of a shipment (with a BOL number or booking reference number) that has only one container.</p>
Near real-time container tracking	<ul style="list-style-type: none"> <li>Receive container level data from carriers and ports including location, and container status.</li> <li>Port and terminal milestones are passed in near real-time as they occur.</li> </ul> <p>Note that the information received from carriers and ports may vary.</p>

### 3.4 SAP Business Network, project44 Air Visibility Add-On

Feature	Description
Shipment tracking initiation	<ul style="list-style-type: none"> <li>Initiate tracking of a shipment with a master air waybill (MAWB) number or house air waybill (HAWB) number.</li> </ul> <p>Note that SAP Business Network Global Track and Trace supports tracking of a shipment that has only one flight.</p>
Milestone tracking	<ul style="list-style-type: none"> <li>Receive milestone updates from cargo airlines, terminals, and aircraft tracking systems for the entire flight; such as airport of origin, in-flight and airport of destination milestones including shipping manifest, departure and arrival.</li> <li>Receive predictive estimated time of arrival and flight exceptions.</li> <li>Airport and terminal milestones are passed in near real-time as they occur.</li> </ul> <p>Note that the system tracks only port-to-port milestone updates and does not track the on-road information. And the information received from cargo airlines, terminals, and air tracking systems may vary.</p>
Near real-time in-flight location tracking	<ul style="list-style-type: none"> <li>Receive in-flight tracking data (including geo-location) via aircraft tracking systems connectivity.</li> </ul>

### 3.5 SAP Business Network, project44 Parcel Visibility Add-On

*Note: Refer to Section 4 Geographic and Carrier Network Availability for additional information on standard and custom integration availability.*

Feature	Description
Parcel tracking initiation	<ul style="list-style-type: none"> <li>Initiate tracking with a parcel tracking number, a SCAC code, and source and destination information.</li> </ul>
Real-time parcel shipment tracking	<ul style="list-style-type: none"> <li>Receive milestone updates via direct parcel carrier provider connectivity, such as available for pick-up, out for delivery, held, delivered, and missed delivery window.</li> <li>Milestone status updates are triggered as they occur.</li> <li>The information received from project44 may vary due to different carriers.</li> </ul>

### 3.6 SAP Business Network, project44 Rail Visibility Add-On

*Note: No standard integration into SAP Business Network for Logistics available; custom integrations provided by project44, with proper implementation project scoping exercise.*

Feature	Description
Shipment tracking initiation	<ul style="list-style-type: none"><li>• Initiate tracking with container number or rail car ID.</li></ul>
Real-time location tracking	<ul style="list-style-type: none"><li>• Receive container / rail car location stops and times.</li><li>• Tracking updates are limited to one call every 4 hours.</li></ul>

#### 4 GEOGRAPHIC AND CARRIER NETWORK AVAILABILITY

The table below shows the add-on availability by mode - for the geographic regions of North America and Europe. Existing carrier network availability varies, depending on the specific customer carrier relationships and connectivity needs, as well as geography. project44 covers the carrier onboarding services for shipper customers, also for new carriers not already available in the project44's Advanced Visibility Platform, as part of the respective SAP Business Network, project44 add-on service.

Mode	Add-on Features Availability*
FTL	North America Europe
LTL	North America Europe
Ocean	Global
Rail <i>(custom implementation)</i>	North America
Air	Global
Parcel	North America Europe APJ <i>(custom implementation)</i>

\* Carrier analysis required to determine network coverage within specific countries

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