

SAP Networked Logistics Hub - Overview

Document History



Caution

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version at the following location:[xxx /xxx](#) ➔

The following table provides an overview of the most important document changes.

Table 1

Version	Date	Description
0.1	2015-11-30	Preliminary Version

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1 SAP Networked Logistics Hub - Overview

The SAP Networked Logistics Hub is a solution that helps to increase goods or container volume at a logistics hub (for example, seaport, airport, large production site, or warehouse) by ensuring congestion-free traffic on roads leading to the hub. It helps to track planned or unplanned traffic incidents. The application is notified of possible incidents by integration of automation systems at the production site. In addition, the application receives the traffic information from the traffic message channel (TMC).

The truck drivers must be notified about the traffic incidents in advance so that the driver can take an alternate route or decide to park the truck in a parking space and travel later. For certain traffic incidents that occur at a source location or within a particular geofence, rules are set up in the system to notify drivers within a certain targeted distance from the source location.

The solution helps carrier companies to participate in a business network, by tracking the movement of trucks. The business network can manage the truck tours, which capture data of stops and goods to be picked or dropped at the stops. This tour data can be manually created or imported through integration from a typical management system.

The tour can be assigned to trucks and the driver can post events into the system about the progress of tour completion through their mobile application or onboard device. The mobile application or onboard device integration is provided by the T-Systems connected car platform.

In addition, the dispatcher can interact with the driver by exchanging messages.

A parking company can participate in the business network. The parking company or logistic hub, which owns the parking spaces can publish the availability of parking spaces, and send messages advertising offers to the drivers. Such messages can be targeted at trucks travelling within a specific distance from the spaces being advertised. The solution helps truck drivers locate an appropriate vacant parking space.

An organization participating in the business network can invite other organizations to share trucks. They can also invite additional users within their organization in different roles. For more information, see *SAP Networked Logistics Hub - User Roles* [external document]. The SAP Networked Logistics Hub thereby provides the way to efficiently manage port logistics.

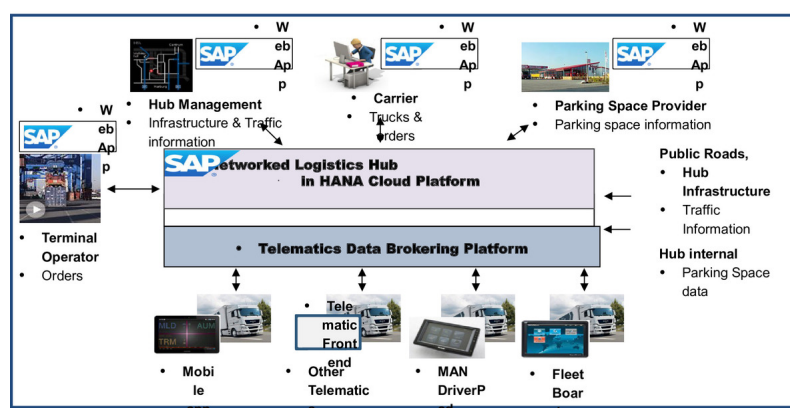


Figure 1

The SAP Networked Logistics Hub solution comprises the following applications:

- **Traffic Status** – A central application to monitor, track, and communicate with trucks and business partners. This application also helps in providing automatic updates about incidents to the trucks. For more information, see *Monitor Traffic and Communicate with Trucks* [external document].
- **Incidents** – Enables the Hub manager to maintain data of incidents that are related to the hub. For more information, see *Manage Incidents Data* [external document].
- **Users** – Register users within the SAP Networked Logistics Hub. For more information, see *Add Users* [external document].
- **Business Partners** - Helps maintain a network of business partner for collaboration and communication. For more information, see *Maintain Business Partners* [external document].
- **Trucks** – Set up trucks and associate mobile or onboard devices. Also helps carrier companies to maintain relevant information of their trucks. For more information, see *Manage Trucks and Share with Business Partners* [external document].
- **Tours** – Create basic tour data that are communicated to the truck drivers for completion. The tour data is sent to the device in truck. For more information, see *Manage Tours* [external document].

1 Note

The applications are accessible only if the SAP Networked Logistics Hub user is assigned the privilege to view or work using them. For instance, a Hub manager cannot work with the *Tours* application and therefore cannot view it on his launchpad. A dispatcher does not have access to the *Incidents* application.

The individual roles and access credentials for each application is given below:

Table 2

Roles / Application	Traffic Status	Business Partners	Incidents	Trucks	Tours	Users	Help
Administrator at Hub	Yes	Yes	Yes	No	No	Yes	Yes
Hub Manager	Yes	Yes	Yes	No	No	Yes	Yes
Administrator at Carrier	Yes	Yes	No	Yes	Yes	Yes	Yes
Dispatcher	Yes	Yes	No	Yes	Yes	Yes	Yes
Parking Space Administrator	Yes	Yes	No	No	No	Yes	Yes
Container Terminal Administrator /Depot	Yes	Yes	No	No	No	Yes	Yes

For more information about user roles, see *SAP Networked Logistics Hub - User Roles* [external document].

Subscriptions

You can register a company with SAP or Hub as owner. The owners have defined subscription products. An administrator is provided an option to register a carrier company as a basic or premium user, at the time of registration. When a company is registered with SAP as owner, the company can select any of the defined subscription products. The administrator can change the subscription from basic to premium or the reverse.

Using the options in the *Subscription Name* dropdown in the *Company Profile* page, the administrator can switch the subscription from basic to premium or the reverse.

i Note

By default, the subscription package for the container terminal and parking space administrator is *Premium*.

Table 3

Application	Action	Administrator at Carrier		Dispatcher	
		Basic	Premium	Basic	Premium
Traffic Status	Add geofence	No	Yes	No	Yes
	Manage geofence	No	Yes	No	Yes
	View parking space availability	Yes	Yes	Yes	Yes
	Send messages to geofences	No	Yes	No	Yes
	Send/receive messages to specific trucks	Yes	Yes	Yes	Yes
	Send messages to other carriers, parking operators	No	Yes	No	Yes
	Send messages to hub	Yes	Yes	Yes	Yes
	Send messages to drivers	Yes	Yes	Yes	Yes
	Receive hub messages	Yes	Yes	Yes	Yes
	Receive traffic messages	Yes	Yes	Yes	Yes
	Receive messages from driver	Yes	Yes	Yes	Yes
	Receive tour messages	Yes	Yes	Yes	Yes
	Receive messages from other business partners	No	Yes	No	Yes
	Search for geofences, point of interest, incidents, trucks, drivers, tours	Yes	Yes	Yes	Yes

	Search for entities	Yes	Yes	Yes	Yes
	Create and edit radar geofence	No	Yes	No	Yes
	View radar geofence	Yes	Yes	Yes	Yes
Users	Invite dispatcher or another administrator in your organization	Yes	Yes	No	No
	Add drivers	Yes	Yes	Yes	Yes
Business Partners	Invite other carriers to SAP Networked Logistics Hub	No	Yes	No	No
	Invite other parking space providers to SAP Networked Logistics Hub	No	Yes	No	No
	Search for business partners, users	Yes	Yes	No	Yes
	Maintain external ID	Yes	Yes	Yes	Yes
Trucks	Assign devices to trucks	Yes	Yes	Yes	Yes
	Deactivate trucks/devices	Yes	Yes	Yes	Yes
	Reactivate trucks/devices	Yes	Yes	Yes	Yes
	Deregister trucks/devices	Yes	Yes	Yes	Yes
	Create/manage trucks	Yes	Yes	Yes	Yes
	Filter/group trucks	Yes	Yes	Yes	Yes
	Share trucks	No	Yes	No	Yes
Tours	Create/Manage tours	Yes	Yes	Yes	Yes




	Monitor tour status	Yes	Yes	Yes	Yes
	Maintain/stop order ID	Yes	Yes	Yes	Yes
Company Profile	Maintain company profile	Yes	Yes	No	No
	Maintain wallet from company profile	Yes	Yes	No	No
	View and edit usage log	Yes	Yes	No	No
User Profile & Settings	Maintain plan effectiveness threshold	Yes	Yes	Yes	Yes

Related Information:

- *Register with SAP Networked Logistics Hub* [external document]
- *Launch Applications* [external document]

Typographic Conventions

Table 4

Example	Description
<Example>	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, "Enter your <User Name>".
► Example ► Example ▢	Arrows separating the parts of a navigation path, for example, menu options
Example	Emphasized words or expressions
Example	Words or characters that you enter in the system exactly as they appear in the documentation
www.sap.com 	Textual cross-references to an internet address
/example	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
123456 	Hyperlink to an SAP Note, for example, SAP Note 123456 
<i>Example</i>	<ul style="list-style-type: none"> Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options. Cross-references to other documentation or published works
Example	<ul style="list-style-type: none"> Output on the screen following a user action, for example, messages Source code or syntax quoted directly from a program File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
EXAMPLE	Keys on the keyboard



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