

# PTV Lines

## Service Description



# Document information

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# 1 General Profile

PTV Lines is a web-based cloud application used to upload and visualize and edit the public transport network. Users can edit the network and see the effect of changes directly as travel time of a line route in the network.

## 2 Technical system description

### 2.1 General

PTV Lines is designed for public transport service planners, combining powerful functionality with intuitive usability. Create and adjust routes, timetables, and service proposals directly in the browser.

With built-in service quality and efficiency analysis tools, planners can instantly access key KPIs to support discussions with decision-makers and stakeholders.

Additionally, PTV Lines enables the creation of clear, informative maps for professional communication of projects even at early planning stages.

PTV Lines operates via Windows Azure™; PTV GmbH's data center and network.

The Service Description is not an assurance of a claim to all variants.

### 2.2 Technical Requirements

#### 2.2.1 Browser

Use the latest version of Google Chrome or another Chromium-based browser.

Web.GL 2.0, Java.Script and Cookies need to be enabled.

The browser needs to support hardware acceleration.

#### 2.2.2 Client configuration

Network bandwidth: recommended connection speed 20 Mbps or more

Recommended screen resolution: 1920 x 1080 (high color quality) or higher

Processor: typical CPU such as Intel Core i5 from the past 5 years

Graphics card: for an improved performance, a dedicated graphics card could be useful.

#### 2.2.3 Operating Systems

Microsoft Windows 10 or newer

Apple Mac OS X Lion 10.12 or higher

## 2.3 Mobile requirements

PTV Lines is not designed for mobile devices. Usage on a mobile device is at the customer's own risk.

# 3 Product Description

## 3.1 Service Designer

In Service Designer, you can manage scenarios. A scenario contains public transport supply data. It is filled either by creating all data manually, by uploading a PTV Visum version file or GTFS files.

The supply data consists of stops, lines, line routes, transport systems, and stop sequences. You can import this data, or edit, create, and delete it.

You can upload background data as geojson files and visualize each layer based on an attribute behind your network.

Service Designer calculates the travel time of each line route, considering the travel time and dwell times along the line route.

## 3.2 Editions

All editions include the functionality to upload and manage network data, as a scenario. The following are the current product editions and their limitations.

Description / Feature	Extra Small	Small	Medium	Large
Number of lines in the network per scenario	<50	<100	<500	<2000
Max number of users	15	20	20	40
Max size of uploaded PTV Visum version file	5120 MB			
Max size of uploaded GTFS files	32 MB			
Max size of geojson files	133 MB			

## 3.3 Users

You can use User Management to manage who has access to the subscription and their access rights.

Each account can be assigned to multiple access-right groups. User accounts are granted different access to the functionality of the product depending on what group they are assigned to.

PTV Lines includes two access-right groups:

- Admins – have access to the User Management of the subscription. They can add users to the subscription or invite people without a PTV Group ID to register and join the

subscription. Admins can assign accounts to access-right groups or remove them from the subscription. Admins have access to Help Center and Support.

- Service Designers – have access to Service Designer, where they can upload, edit, and delete supply data and scenarios in PTV Lines. They can also upload and delete background data as geojson files and origin destination data as csv files. Service Designers also have access to Help Center and Support.

### 3.4 Background Map Services

The supplier of the background map in PTV Lines is PTV Logistics - HERE. PTV Lines may discontinue, replace, or update these 3rd party services at any time during a plan term, or access may be removed by the 3rd party provider.

Also, errors or outdated data in PTV Logistics map cannot be supported and improved by PTV Lines.

For more details and usage requirements, see the 3rd Party License information in the Terms of Service PTV SaaS, available under: <https://www.ptvgroup.com/en/legal-documents/terms-of-service>.

## 4 Help

This Help information provides getting started information that guides users to start with the application.

## 5 Support

PTV Lines offers Support in all purchased subscriptions. The Terms of Service PTV SaaS, available at <https://www.ptvgroup.com/en/legal-documents/terms-of-service> discusses support levels offered for paid plans.