

What's new?

Here you find an overview of the latest changes, enhancements, and fixes of PTV Optima.

The versions are ordered starting from the more recent.

22.1 | 24-06-2022

New Features and Changes

PostgreSQL component has been upgraded to the version **14.3**.

PostGIS component has been upgraded to the version **3.2.1**.

For a complete list of PTV Optima system requirements:

→ [System requirements](#).

22.0 | 30-04-2022

New Features and Changes

PTV Optima provides support for handling:

Rerouting events

Demand events

Signal events

Rerouting events

Demand events

Signal events

PTV Optima provides a quality measure of the forecast produced with Machine Learning Forecast engine:

→ [Forecast Quality Indicators: MLF](#)

Compatibility with Python 2.7 for VISUM 2021 and 2022.

Compatibility for VISUM 2021 and 2022 with both Python versions 2.7 and 3.x.

Upgrade of OpenLR library and the associated configuration:

→ [OpenLR](#)

→ [OpenLR decoder configuration](#)

Upgrade of INRIX interface:

→ [INRIX Interface](#)

TomTom interface enhancements:

→ [TomTom Interface](#)

Pre-computed RLIN (Result LINKs) module provides an XML file containing the latest forecast results:

→ [Installing pre-computed RLIN module](#)

MTF Status API for getting the status of the Mid-Term Forecast engine:

→ [Getting the status of the MTF scheduler](#)

Several security improvements. Main changes:

Protection against CSRF attacks for user management functionalities.

Safer Management of HTTP headers in Traffic Supervisor GUI.

Reduction of the default expiration time for the session token.

Unbinding Optima from Oracle JDK. Optima has been officially tested with:

Amazon Corretto JDK 8.282.08.1.

Oracle JDK 1.8.0_281.

GeoServer component has been upgraded to the version **2 . 20 . 2** (for more details, see *GeoServer version*).

19.5 | 30-06-2020

New Features and Changes

PTV Optima Micro provides traffic forecasts for sub-networks which are typically a smaller selection of the large-scale Optima model.

For an high level introduction to Optima Micro, see:

→ [How Optima works in a nutshell > OPTIMA MICRO](#)

Optima Micro is an advanced module that can be deployed according with:

→ [Installing Optima Micro](#)

The modeling activity proceed through a set of operations based also on PTV Vissim and PTV Visum, as indicated in:

→ [Modeling Optima Micro](#)

About Optima Micro methodology and configuration, see:

→ [Optima Micro](#)

Optima Micro provides a new set of APIs, as indicated in:

→ [Simulation engines – Optima Micro](#)

The Traffic Supervisor GUI provides:

Two additional layers to manage Optima Micro sub-networks:

→ [Micro sub-networks layer](#)

→ [Micro Traffic Estimation layer](#)

A specialized area to manage Optima Micro simulation groups:

→ [Scenario workspace](#)

Additional KPIs

→ [Adding a KPI > PTV OPTIMA MICRO: TRAVEL TIMES - Provider: Optima Micro](#)

→ [Adding a KPI > PTV OPTIMA MICRO: TOTAL VEHICLE TIMES - Provider: Optima Micro](#)

19.4 | 25-05-2020

New Features and Changes

A new API is exposed to get information about the Mid-Term Forecast scheduling.

For more details see:

→ [MTF main configuration > MTF node configuration](#)

→ [Getting the status of the MTF scheduler](#)

19.3 | 23-04-2020

New Features and Changes

From this version on, Optima officially supports PTV Visum version **20**.

For a complete list of PTV Optima system requirements:

→ [System requirements](#).

PTV Visum is necessary to build a PTV Optima base model:

→ [Software needed to build a base Optima model](#).

19.2 | 08-04-2020

New Features and Changes

GeoServer component has been upgraded to the version **2.15.5** (for more details, see [GeoServer version](#)).

Now you can deploy an Optima system architecture horizontally scaling the Geoserver component.

This option is capable to better handling the GeoServer workload, improving the performance of Traffic Supervisor ([→ About Traffic Supervisor](#)) and of the entire system.

The old installation setup is still applicable but the standard installation should follow the new paradigm.

For further details see:

→ [Installing Optima: a scalable architecture](#)

→ [Installing Optima on three servers](#)

19.1 | 26-03-2020

New Features and Changes

A new version of API for triggering a Short-Term Forecast simulation.

This version is compatible with previous versions of Optima.

Now you can send a request to Optima to force the automatically starting of a new simulation, handling situations in which the engine is busy and you need to stop it.

For further details see:

→ [Getting the status of a simulation engine](#)

→ [Starting a simulation](#)
