
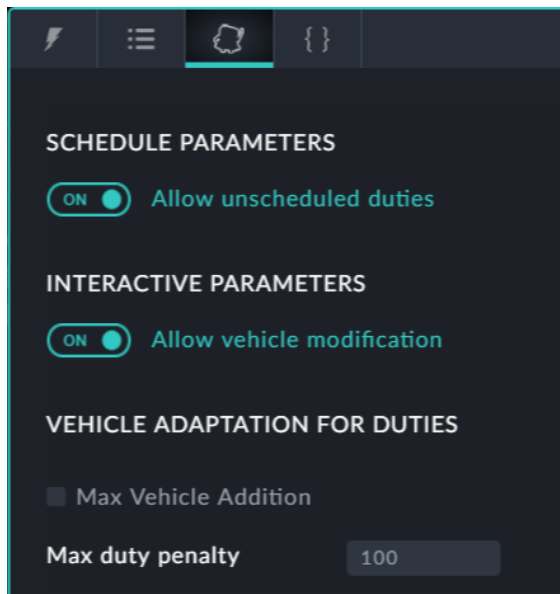


## Other Preference Tool-Bar Choices

### SYSTEM PARAMETERS

The  button opens a set of optimization system parameters that configure the optimization process at the system level.



### SCHEDULE PARAMETERS

The optimizer may not be able to assign some duties due to restrictive preferences.

In such a situation, by setting this switch to ON, the optimizer places the problematic trips in the editing stack in the Drivers Gantt. The trips may then be investigated for cause and manually corrected. Otherwise, the optimization will halt with a diagnostic message.

### INTERACTIVE PARAMETERS

The last step of an interactive scheduling session is to Assign Vehicles (see [Completing the Edit Session](#)).

If this switch is set to ON, vehicle modifications will be allowed during the assign. Otherwise they will not be allowed.

## VEHICLE ADAPTATION FOR DUTIES



**VEHICLE ADAPTATION FOR DUTIES**

☒ Max Vehicle Addition 0

Max duty penalty 100


This is used where a Vehicle schedule has been created and the number of assigned vehicles is acceptable. Changing preferences may assign additional vehicles but real life limitations may make the results untenable.

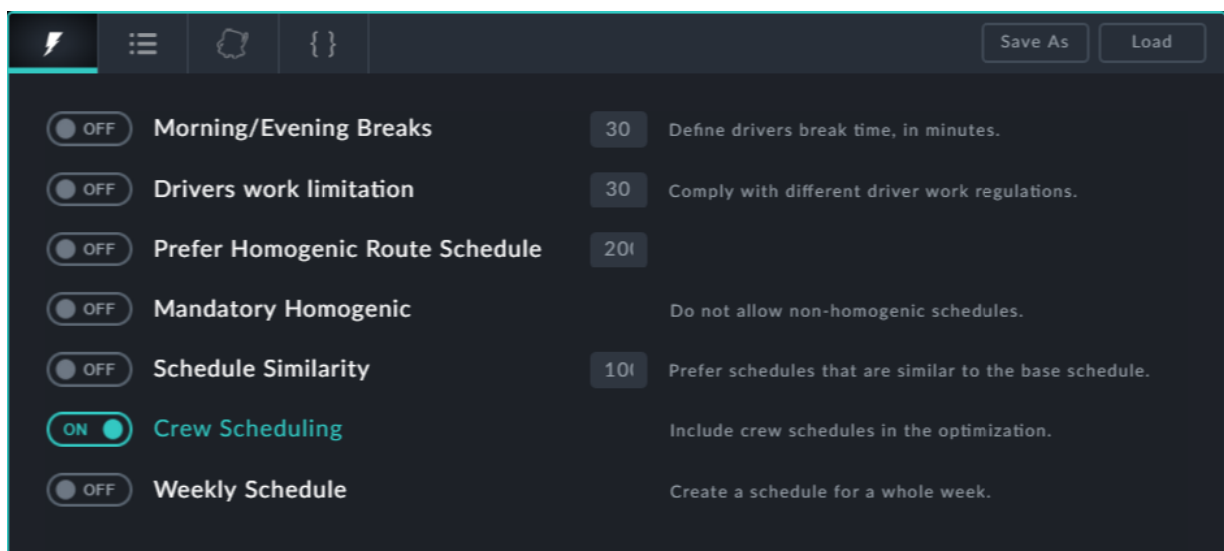
The **Max Vehicles Addition** is the maximum number of additional vehicles that can be added after changing preferences and optimizing.





The **Max duty penalty** works in two directions -

- It is maximum penalty that can be imposed on a valid duty (in relation to preferences)
- It is the minimum penalty that is imposed on an invalid duty (in relation to preferences)

## QUICK PREFERENCES

The  button opens a set of quick preferences:




    Save As Load

<input type="radio"/> OFF	Morning/Evening Breaks	30	Define drivers break time, in minutes.
<input type="radio"/> OFF	Drivers work limitation	30	Comply with different driver work regulations.
<input type="radio"/> OFF	Prefer Homogenic Route Schedule	20	
<input type="radio"/> OFF	Mandatory Homogenic		Do not allow non-homogenic schedules.
<input type="radio"/> OFF	Schedule Similarity	10	Prefer schedules that are similar to the base schedule.
<input checked="" type="radio"/> ON	Crew Scheduling		Include crew schedules in the optimization.
<input type="radio"/> OFF	Weekly Schedule		Create a schedule for a whole week.

These are frequently used preferences that might be helpful in setting up "What if?" demonstrations.

## EXPERT MODE MANAGEMENT

Clicking the  expert mode button shows your preferences in source (JSON) format.

This **Expert** provision also appears at the topic level. It is primarily intended for the use of Optibus Professional Services to -

- **Add urgent custom features with a turn around of hours instead of days or weeks.**
- **Provide rapid fixes to problems in the field**

It can also be used by customers having the necessary programming expertise.

See [Using Expert Mode](#) for further details.