

How to create composite relations

▼ Content

Introduction

Composite relations allows you to **create new dossiers based on frequency patterns** by using an existing dossier and **grouping the different patterns into different composite relations**. It works in a similar way as the "Copy the dossier" function: it makes a **copy** or multiple copies of the **existing dossier** with the **same Basic data** (process type, timetable period, dossier type, and calendar). The difference between the "Copy dossier" and "Composite relation" options is that the second one gives you the freedom to add frequency patterns to all dossiers with the same train characteristics. The advantage of the function is that it:

- groups different shifted combinations into one composite relation
- groups different shifting characteristics under different composite relation groups
- saves time when creating dossiers from the scratch

For who/when

The composite relation is available for Applicants in the Open and Harmonization phases.

Create

1. Choose a dossier
2. Go to Composite relations dossier-level data
3. Press the "Add composite relation" button

- ☰
- Basic Data
- Control
- Comments
- Applicant Timetable
- Train information
- Train composition
- Connections 0
- Links 0
- Composite relations 0
- History

AGE test composite relation

Late Path Request Default Open
ID 237863 v.1

Labels ▾

Composite relations

+ Add composite relation


No composites

The composite relation window opens.


Add composite relation

Reason: Frequency train (dropdown) | Name: *

Comment:

Running days of the first territory: 


DOSSIERS

Dossier name: * | Int. train number: | Train number: 

Train Id

Company Code: LTE Hungária Vasúti Árufuvarozó és Logisztikai Kft. (dropdown) | Core Element:

Shifting: + (dropdown) | Days: | Hours: | Minutes:




It is mandatory to **name your composite relation group** first. After it is optional to **place comments** if needed.

You will see the running days of the first territory, usually shown in a **calendar tooltip of the original dossier**, from which you make the composite relation. It is used **as a reference point with its times and calendar**.

In the "**Dossier**" section you must **fill** in the same **basic data** as needed when you creating the dossier, and below it, you **can define the frequency pattern**: shifting of days/hours/minutes.

There is also the "**Train number**" field. The entered train number will be copied to every sub-path to all path sections, **all territories will have the same national train number**.

You have to press the  button as many times for as many dossiers you want to create. For example, if we want to create two trains that run **2h after each other**, the **shifting** has to remain **positive** and we will need to **add 2hours** for the **first train** and **4 hours** to the **second train** as it shows on the screenshot.

Note: the new dossier is always created in the Open phase.

Add composite relation

Reason: Frequency train | Name: 2 hours frequency

Comment:

Running days of the first territory: 1 2 3 4 5 6 7

DOSSIERS

Dossier name: 2h | Int. train number: 123456 | Train number: 11111

Train Id: Company Code: LTE Hungária Vasúti Árufuvarozó és Logisztikai Kft. | Core Element:

Shifting: + | Days: 0 | Hours: 2 | Minutes: 0

Dossier name: 4h | Int. train number: 78945 | Train number: 22222

Train Id: Company Code: LTE Hungária Vasúti Árufuvarozó és Logisztikai Kft. | Core Element:

Shifting: + | Days: 0 | Hours: 4 | Minutes: 0

Dossier #1

Dossier #2

In your first composite relation, you created two trains with a 2-hour difference in one composite relation. However, perhaps you want to create another composite relation for other days not hours.

Reason: Frequency train (dropdown) | Name: Daily frequency (text input)

Comment: (empty text area)

Running days of the first territory: 1 2 3 4 5 6 7 (checkboxes)

DOSSIERS

Dossier name: Shifted 1 day | Int. train number: (empty) | Train number: (empty) [edit icon]

Train Id

Company Code: LTE Hungária Vasúti Árufuvarozó és Logisztikai Kft. (dropdown) | Core Element: (empty)

Shifting: + (dropdown) | Days: 1 | Hours: 0 | Minutes: 0

Dossier name: Shifted 2 days | Int. train number: (empty) | Train number: (empty) [edit icon]

Train Id

Company Code: LTE Hungária Vasúti Árufuvarozó és Logisztikai Kft. (dropdown) | Core Element: (empty)

Shifting: + (dropdown) | Days: 2 | Hours: 0 | Minutes: 0 [save icon]

Dossier #1

Dossier #2

Cancel Save

If you created 2 different composite relation groups with different shifted characteristics, each group will have a different shifting combination:

Composite relations

[+ Add composite relation](#)

1.2 hours frequency **Group #1**

Comment

2h
 Id: 2980 Timetable shifted for: 0 days, 0 hours, 0 minutes ahead
 Dossier id: 237884
 Int. Train no.
 Running days of the first territory

4h
 Id: 2981 Timetable shifted for: 0 days, 0 hours, 0 minutes ahead
 Dossier id: 237885
 Int. Train no.
 Running days of the first territory

2.Daily frequency **Group #2**

Comment

Shifted 1 day
 Id: 2983 Timetable shifted for: 1 days, 0 hours, 0 minutes ahead
 Dossier id: 237886
 Int. Train no.
 Running days of the first territory

Shifted 2 days
 Id: 2984 Timetable shifted for: 2 days, 0 hours, 0 minutes ahead
 Dossier id: 237887
 Int. Train no.
 Running days of the first territory

Editing

You can edit the composite relation at any time until the Harmonization phase. You only need to press the button in order to do it. The existing dossiers in a group of composite relations will be updated with the new dossier link.

Links

Links provide you with quick access to a group of dossiers.

Once you save your composite relation it will be saved and linked:

- the original dossier with the two newly created dossiers
- the newly created dossiers linked together and with the original dossier

Composite relations + Add composite relation

Dossier #1

1.2 hours frequency

Comment

2h

Id: 2980 **Timetable shifted for:** 0 days, 0 hours, 0 minutes ahead

Dossier id: 237884

Int. Train no.

Running days of the first territory

1 2 3 4 5 6 7

Dossier #2

4h

Id: 2981 **Timetable shifted for:** 0 days, 0 hours, 0 minutes ahead

Dossier id: 237885

Int. Train no.

Running days of the first territory

1 2 3 4 5 6 7

The newly created dossiers cannot be linked with themselves but they will always be linked with the original dossier.

See the following example:

- "2h" is linked to the "AGE test composite relation" (the original dossier) & "4h"

2h

Late Path Request Default Open

ID 237884 v.1

Labels



Composite relations

Add composite relation

1.2 hours frequency

Links created

Comment

AGE test composite relation

Original dossier

Id: 2982

Timetable shifted for: 0 days, 0 hours, 0 minutes ahead

Dossier id: 237883

Int. Train no.

Running days of the first territory



4h

Dossier #2

Id: 2981

Timetable shifted for: 0 days, 0 hours, 0 minutes ahead

Dossier id: 237885

Int. Train no.

Running days of the first territory



- "4h" is linked with the "AGE test composite relation"(the original dossier) & "2h"

4h Late Path Request Default Open

ID 237885 v.1

Labels

Composite relations Add composite relation

1.2 hours frequency ✎

Comment

<p style="text-align: center; color: red; font-weight: bold;">Original dossier</p> <p>AGE test composite relation Id: 2982 Timetable shifted for: 0 days, 0 hours, 0 minutes ahead Dossier id: 237883 Int. Train no. Running days of the first territory </p>	<p style="text-align: center; color: blue; font-weight: bold;">Dossier #1</p> <p>2h Id: 2980 Timetable shifted for: 0 days, 0 hours, 0 minutes ahead Dossier id: 237884 Int. Train no. Running days of the first territory </p>
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Delete

Once the link is created it **cannot be deleted** because the new dossier exists. Go to your dashboard, click the "All 2022" filter and you'll find your dossiers:

<input type="checkbox"/>	TRAFFIC LIGHTS	INT. TRAIN...	NAME	PHASE	PROCESS T...	DOSSIER T...	ID/VERSION
<input type="checkbox"/>			4h	Open	Late Path Request	Default	237885/1
<input type="checkbox"/>			2h	Open	Late Path Request	Default	237884/1
<input type="checkbox"/>			AGE test composite relation	Open	Late Path Request	Default	237883/3

The feature works well if the shifting of hours/days with the midnight crossing is detected; see the calendar preview in each newly created dossier:

AGE test composite relation MC

Late Path Request Default Open
 ID 237888 ↻ v.4 ▼

Labels ▼

Composite relations [Add composite relation](#)

1.2 hours frequency

Comment

2h midnight crossing

Id: 2986 Timetable shifted for: 0 days, 2 hours, 0 minutes ahead

Dossier id: 237889

Int. Train no.

Running days of the first territory

Days shifted automatically

4h midnight crossing

Id: 2987 Timetable shifted for: 0 days, 4 hours, 0 minutes ahead

Dossier id: 237890

Int. Train no.

Running days of the first territory

Days shifted automatically

1 2 3 4 5 6 7
1 2 3 4 5 6 7
Days shifted automatically

AGE test composite relation MC

Late Path Request Default Open
ID 237888 v4

Labels

Outline

Applicant Timetable

Territories Territories Calendar Path Variants Path Variants Calendar

Switch view to: Standard view manual, @automatic, UTCOffset

LTE-HU / VPE

11 Default route
Győr → Hegyeshalom
12.12.2021 - 10.12.2022 (1,3,5)

Arrival	Departure
	22:00
22:27	

- > Győr
- ★ Owner IM VPE
- Commercial stop

LTE-HU / ÖBB-I

11 Default route
Hegyeshalom →
Wien Hbf-Südosttangente (in Wbf)
12.12.2021 - 10.12.2022 (1,3,5)

2h midnight crossing

Late Path Request Default Open
ID 237889 v2

Labels

Outline

Applicant Timetable

Territories Territories Calendar Path Variants Path Variants Calendar

Switch view to: Standard view manual, @automatic, UTCOffset

LTE-HU / VPE

11 Default route
Győr → Hegyeshalom
12.12.2021 - 10.12.2022 (2,4,6)

Arrival	Departure
	00:00
00:27	

- > Győr
- ★ Owner IM VPE
- Commercial stop

LTE-HU / ÖBB-I

11 Default route
Hegyeshalom →
Wien Hbf-Südosttangente (in Wbf)
12.12.2021 - 10.12.2022 (2,4,6)

2 hours shifting

Detected midnight crossing

Shifting

Shifting can be positive or negative depending on the days, hours, or minutes in regards to the original dossier.

Positive shifting means you will create frequency trains that run **after** the original dossier. The shifting of departure/arrival times on the operation points in the timetable is done by adding the value.

Negative shifting means you define frequency trains that run **before** the original dossier. The shifting of departure/arrival times on the operation points in the timetable is done by subtracting the value.

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No translations

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