VMRDH-Jobs

Srirama Bhamidipati

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Job index

Preface

This pdf acts as a manual to understand the OmniTrans jobs, their purpose, inputs and outputs.

Part I

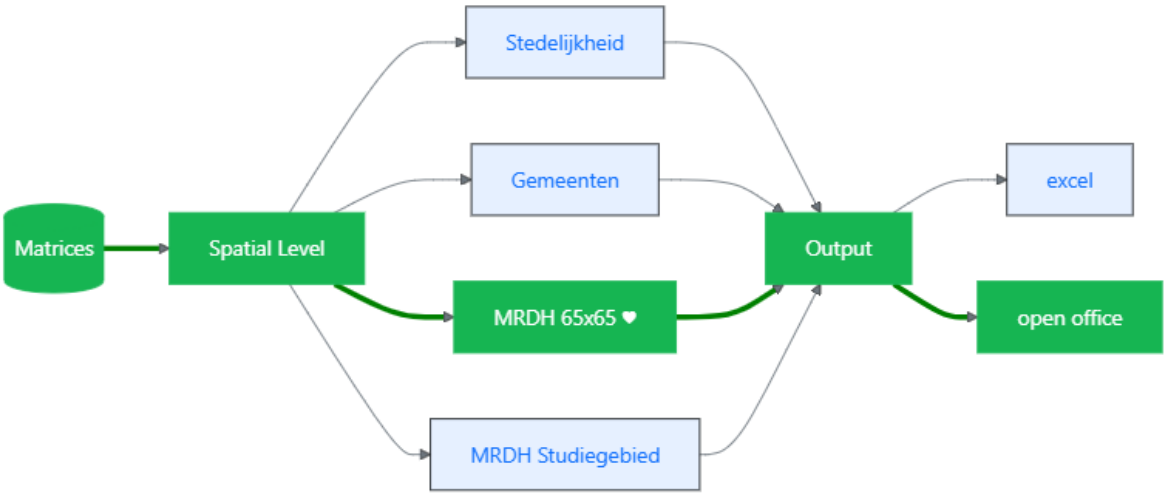
Standard Uitvoer

1 Matrix Compressies

1.1 Purpose

There are 4 types of matrix compression jobs. Each job has a different spatial aggregation level. The four aggregation levels are :

- Stedelijkheid
- Gemeenten
- MRDH groot / MRDH groot etm
- MRDH Studiegebied



1.2 Inputs

Will and Kevin next to each other The inputs for the job are matrices listed under `$matrices`. Different jobs handle the different level of aggregation for you, so you do not have to

change anything else in the job (see outputs if you want to change output formats). The input `$matrices`takes a list, each item in the list takes the form `["Output_Sheet_name", [P,M,T,U]],`.

> **!** Important
>
> Each spatial level is a different job. If you have changed only the list of matrices in the job, you can use it without caution. But if you have changed the `# definieer Gebieden` part of the code, that is, if you have changed the definition of each gebied, you have to be careful that each *Centroid Number* is exclusively in ONLY ONE *gebied*. If not, you will get an error.

1.3 Outputs

You also have to control the output format. The output can be in two formats: excel or openoffice. If you are working on the MRDH servers, you must open/ uncomment the `Naar Open Office` and the the two lines below it. If you want to get an excel format output, you would comment the `Naar Open Office` and the the two lines below it and uncomment `Naar Excel` and the two lines below it.

1.4 Code

Download the code.matrixcompress.rb

2 Voertuigprestaties

2.1 Purpose

The voertuigprestaties (or vehicle-km, vehicle-hours) is a performance indicator for the whole network (or selected-part of a network). This indicator shows how many km were travelled by all the vehicles collectively in the network or how many hours were spent by all the vehicles collectively in the network. More time spent by vehicles in the network could indicate congestion. Similarly more vehicle-km driven by vehicles indicate higher pollution/ fuel-usage levels for example.

2.2 Inputs

> **!** Important
>
> Be careful! Each line of this job is an input parameter. Read carefully and select the pmturi numbers very carefully.

- `vgtm.load`: In this parameter, you create a list []. Each item in the list is a pmturi and enclosed inside []. Each item is separated by a comma.
- `vgtm.netwerk` : In this parameter, you create a list []. Each item in the list is a p and m combination refereing to a network. The number of items in this list should be same as the number of items in `vgtm.load`.
- `vgtm.loadNaam` : In this parameter you create a list []. Each item in this list is a string that defines the name of the load defined under `vgtm.load`. The number of items in this list should be same as the number of items in `vgtm.load`.
- `vtgkm.variant`: This parameter is also a list [] and contains items that are names of the variants in your model. It is not necessary that the number of items in this list is same as number of items in the `vgtm.load`.
- `vtgkm.selectie` : If you want to calculate these performance indictors only for a small part of the network, you must first define a selection in omnitrans, give it a name. In

this job, you refer to that name in this parameter. Again, this parameters is a list and can take multiple `selection-names`.

- `vtgkm.wegtype` : You have this optional parameter to calculate this indicator only for certain wegtypes. This parameter is again a list of items indicating the wegtype.
- `vtgkm.filterWegtype`: You have this optional parameter that a list of wegtypes. For example you want to calculate the indicator for all links but not connectors. Then you must exclude the connector wegtype in this list.

```
## pmturi load
vtgkm.load          = [ [1,2,1,103,11,20],[1,2,3,103,11,20]]# verplicht!

## opties (pmturi afhankelijk)

# default = Dagdeel factor (1.0)
#~ vtgkm.factoren      = [ 1.0                    1.0    1.0    1.0        ]

vtgkm.netwerk       = [ [2,1],                [2,3]]
vtgkm.loadNaam      = [ "Auto_os",            "Auto_as"]

## opties voor categorieen:
vtgkm.variant = ["2016","2020","2023","2030Laag","2030Hoog","2040Hoog"]
# default = current variant

vtgkm.selectie = ["VTGP_2016","VTGP_2020","VTGP_2023","VTGP_2030",
"VTGP_2030","VTGP_2040"]
# default = hele netwerk


vtgkm.wegtype = 1        # default = none
vtgkm.filterWegtype = [14,15,16,17,18,19,20,21,22,51,99]
```

2.3 Outputs

You also have to control the output format. The output can be in two formats: excel or openoffice. If you are working on the MRDH servers, you must open/ uncomment the `## extra opties voor excel` and the the lines below it. On MRDH severs, you can set `vtgkm.openoffice = true`

2.4 Code

Download the code.matrixcompress.rb

3 Skim Matrix Exports

3.1 Purpose

Some text explaining what the code does.

3.2 Inputs

Following are the inputs to this job.

3.3 Outputs

Following are the outputs to this job.

3.4 Code

Download the code.matrixcompress.rb

4 Bereikbaarheid

4.1 Purpose

Some text explaining what the code does. And how

4.2 Inputs

Following are the inputs to this job.

4.3 Outputs

Following are the outputs to this job.

4.4 Code

Download the code.matrixcompress.rb

5 Selected Link Compress

5.1 Purpose

Some text explaining what the code does.

5.2 Inputs

Following are the inputs to this job.

5.3 Outputs

Following are the outputs to this job.

5.4 Code

Download the code.matrixcompress.rb

6 INEXDO

6.1 Purpose

Some text explaining what the code does.

6.2 Inputs

Following are the inputs to this job.

6.3 Outputs

Following are the outputs to this job.

6.4 Code

Download the code.matrixcompress.rb

7 Milieu

7.1 Purpose

Some text explaining what the code does.

7.2 Inputs

Following are the inputs to this job.

7.3 Outputs

Following are the outputs to this job.

7.4 Code

Download the code.matrixcompress.rb