

Describing the contents and paths of the Small Cargo Station

This will explain what most of the entries in this Cargo Station and how the paths are configured.
If there is no description next to an entry, it means I either don't know or it probably will not be changed.

```
filename = cargo_medium_old.mdl  
filepath = Train Fever\res\models\model\station\road
```

Code

```

local laneutil = require "laneutil"

function data()
return
    boundingInfo = {
        -- This defines the bounding box of the station where it collides with the game.
        -- This defines positive values for each axis from 0, 0, 0,
        -- This defines negative values for each axis from 0, 0, 0,
        -- This defines the orientation of the parameters.

        children = {
            -- This is where you list all of the meshes' that make up the Station.
            -- Each part is relative to the folder of the res\models\mesh
            {
                id = "station/road/cargo_medium_old_lod_0_floor.msh", <--- Station Floor
                type = "MESH", <--- This means that the part is a MESH, .msh file.
                -- This can
                id = "station/road/cargo_medium_old_lod_0_lanes.msh", <--- Station Lanes
                type = "MESH", <--- This means that the part is a MESH, .msh file.
                -- This can
                id = "station/road/cargo_medium_old_lod_0_building.msh", <--- Station Building
                type = "MESH", <--- This means that the part is a MESH, .msh file.
                -- This can
                id = "asset/industry/pallet_01_lod_0_pallet_01.msh", <--- Decoration
                type = "MESH", <--- This means that the part is a MESH, .msh file.
                -- This can
                id = "asset/industry/pallet_01_lod_0_pallet_01.msh", <--- Decoration
                type = "MESH", <--- This means that the part is a MESH, .msh file.
                -- This can
            }
        }
    }
end

```

Alles anzeigen

Each space above, between the segments, means the path is broken up into sections.
I asked Basil Weber why the paths were cut up into smaller sections and this is his response;

Zitat von Basil Weber

The paths do not have to be cut up like this. The reason why we have it like this is that we wanted to have "person edges" which have exactly 8 meter length and 4 meter width. Cargo items are actually waiting on these edges, and cargo items are 2x2 meters. So in total, exactly $4 \times 2 = 8$ cargo items can wait on one edge, and you can also see at run-time that then such 8 items are grouped visually into one large cargo item.

Also we wanted to have multiple "person edges" per terminal, because the internal logic of the game can only place cargo items of one type on an edge. Therefore, we can support multiple cargo types at one terminal by making multiple "person edges" per terminal.
Hope that is understandable.

Alles anzeigen

If you look above at the personEdges, there are 3 sections for the cargo to wait along.
Since there are 3 sections, this station can hold more than one type of cargo.
If it was only one section or one Edge, it could only hold one type of Cargo.
Also, Basil tells us how much cargo an Edge will hold or let wait in that section.

By knowing this, we can figure out how much cargo can wait at this station.
Basil said cargo items are 2x2 meters. So if you look above at the Edges the Cargo sits along, 22,23,24, Measure them in your 3D program and you will find that all 3 edge combined are 18 meters long.

Now if you look above at how wide Edges 22,23,24, are, the fifth single number, they are 4 meters wide.

So 18 meters long divided by 2 meters, the size of the cargo item, it will hold 9 cargo items down the length of the edges.
The Edges are 4 meters wide so it will fit 2 cargo items wide so 9×2 is 18 cargo items per side.

If you wanted the station to hold more cargo items, you would make the Edges longer and wider.

I hope I explained this well enough for you to understand so you can mod your own station.

Good luck

Tattoo