

Wt - Bug #9490

Postgres backend can throw exception when getting subnormal floats out of the database

12/14/2021 01:02 PM - Roel Standaert

Status:	Closed	Start date:	12/14/2021
Priority:	Normal	Due date:	
Assignee:	Roel Standaert	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	4.5.2		

Description

When we retrieve a float it uses `std::stof`, which may throw `std::out_of_range` when a subnormal float is stored in the database.

E.g. storing and retrieving the following number causes an exception:

```
std::nextafter(0.f, std::numeric_limits<float>::infinity())
```

History

#1 - 12/14/2021 01:02 PM - Roel Standaert

- Status changed from *New* to *InProgress*

#2 - 12/14/2021 01:47 PM - Roel Standaert

- Status changed from *InProgress* to *Review*

#3 - 12/14/2021 01:47 PM - Roel Standaert

- Assignee deleted (*Roel Standaert*)

#4 - 12/14/2021 01:47 PM - Roel Standaert

- Assignee set to *Korneel Dumon*

#5 - 12/14/2021 06:26 PM - Roel Standaert

- Status changed from *Review* to *Resolved*

- Assignee changed from *Korneel Dumon* to *Roel Standaert*

- % Done changed from *0* to *100*

#6 - 01/05/2022 11:52 AM - Roel Standaert

- Status changed from *Resolved* to *Closed*