
Subject: Re: Value with type float
Posted by [mirek](#) on Wed, 04 Oct 2023 07:55:20 GMT
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Just revisting this issue...

Tom1 wrote on Fri, 03 June 2022 12:03

- I can use Value with float as easily as with double without explicit type casts anywhere

Yes.

Quote:

- Assigning a float to Value reads back from Value exactly the same as it went in

If "reads back" means text output, then yes.

Quote:

- If EditFloat* is again replaced by EditDouble*, the behavior is exactly the same as it is now with EditFloat*

Should work.

Quote:

- float supports Null

No. Is that a problem?

Quote:

Maybe the precision hint you are suggesting could be automatically initialized in Value(double) / Value(float) constructors and assignment operators =(double) / =(float) to suit the assigned data type?

That was exactly the plan.

I think advantage of this solution is that it allows you to specify arbitrary precision for any double-holding Value. E.g.

```
double x = 3.14159;  
Value json;  
json("pi") = Precision(x, 2); // Precision does not exist yet  
DDUMP(AsJSON(json));
```

{"pi":3.14}

Still an idea though.
