
Subject: Re: U++ can't handle float to string and back for large numbers

Posted by [cbpporter](#) on Tue, 21 Mar 2017 09:52:46 GMT

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Still under investigation, but:

```
double normalize(double d, int& exp)
{
    if(IsNull(d) || d == 0)
    {
        exp = Null;
        return d;
    }
    bool sign = (d < 0);
    if(sign) d = -d;
    exp = minmax<int>(ilog10(d), -308, +308); // 8-byte double!
    d /= ipow10(exp);
    if(d >= 10) { d /= 10; exp++; }
    if(d < 1) { d *= 10; exp--; }
    return sign ? -d : d;
}
```

Looks like fixes the problem. This, and adding special case to suppress the inherent U++ IsNull mechanic. And some custom work to handle infinite better.
