U++ - Bug #388
FormatDouble(x) uses 10 digits precision -- too few for Xmlize

12/25/2012 05:31 PM - Massimo Del Fedele

Status:	Approved	**Start date:**	12/25/2012
Priority:	High	**Due date:**	
Assignee:	Iñaki Zabala	**% Done:**	100%
Category:	Core	**Estimated time:**	0.00 hour
Target version:		**Spent time:**	0.00 hour

Description

Streaming out double values with Xmlize leads to a call to FormatDouble(x), which in turn uses

String FormatDouble(double a) { return IsNull(a) ? String() : IsNaN(a) ? "?" : FormatDouble(a, 10, FD_REL); }

Loosing so 5 of the 15 precision digits of double values.
In some precision sensitive apps this is just not enough; I'd suggest, either to change the default digits
of FormatDouble(x) to 15 or to use the extended version with 15 digits when streaming out xml data.
Another nice option would be to provide some global setting value to allow change of default number of digita.

Max

History

#1 - 01/01/2013 02:42 PM - Miroslav Fidler

- Status changed from New to Ready for QA

- Assignee changed from Miroslav Fidler to Iñaki Zabala

Fixed be increasing precision of FormatDouble.

#2 - 01/14/2013 08:17 AM - Iñaki Zabala

- Status changed from Ready for QA to Approved

- % Done changed from 0 to 100