

## Question

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# Why does NOW member not work properly in MDX Query Tool?

In the MDX Query Tool I can't seem to get the NOW relative syntax to work correctly. If I just use "&[NOW]" it works, but something like "&[NOW-1]" or "&[NOW-1d]" (for dates extracted using DayMonthYear) it throws an error.

So this works:

```
MDX statement
with member [Measures].[TotalTrx28DMA] As 'sum(%TIMERANGE([TransactionDateFilter].[H1].[Date].CURRENTMEMBER.LAG(27),
[TransactionDateFilter].[H1].[Date].CURRENTMEMBER),measures.TotalTrx)/28',Format_String='#,###'

SELECT [Measures].[TotalTrx28DMA] on 0,
[TransactionDateFilter].[H1].[Date].&[NOW] on 1
//[TransactionDateFilter].[H1].[Date].&[NOW-1d] on 1
//[TransactionDateFilter].[H1].[Date].&[65748] on 1
FROM [Summary]
```

TotalTrx28DMA	
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But if I change &[NOW] to &[NOW-1] I get this cryptic error message.

```
Change Subject Area
MDX statement
with member [Measures].[TotalTrx28DMA] As 'sum(%TIMERANGE([TransactionDateFilter].[H1].[Date].CURRENTMEMBER.LAG(27),
[TransactionDateFilter].[H1].[Date].CURRENTMEMBER),measures.TotalTrx)/28',Format_String='#,###'

SELECT [Measures].[TotalTrx28DMA] on 0,
//[TransactionDateFilter].[H1].[Date].&[NOW] on 1
[TransactionDateFilter].[H1].[Date].&[NOW-1] on 1
//[TransactionDateFilter].[H1].[Date].&[65748] on 1
FROM [Summary]
```

ERROR #5001: Error in background processing: ERROR #5001: Invalid number: ('4077138710\$' @pos 255) (5)

Also, can you use member functions off of NOW? For example can you do something like: [TransactionDateFilter].[H1].[Date].&[NOW].PREVMEMBER ???

[#InterSystems IRIS Analytics \(DeepSee\)](#)

Product version: IRIS 2020.1

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