

What is the best way to list a member and all of its descendants in MDX?

Asked 16 years, 2 months ago Modified 7 years, 9 months ago

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3



In an OLAP database I work with there is a 'Location' hierarchy consisting of the levels Company, Region, Area, Site, Room, Till. For a particular company I need to write some MDX that lists all regions, areas and sites (but not any levels below Site). Currently I am achieving this with the following MDX

```
HIERARCHIZE({  
  [Location].[Test Company],  
  Descendants([Location].[Test Company], [Location].  
    [Region]),  
  Descendants([Location].[Test Company], [Location].  
    [Area]),  
  Descendants([Location].[Test Company], [Location].  
    [Site])  
})
```

Because my knowledge of MDX is limited, I was wondering if there was a simpler way to do this, with a single command rather than four? Is there a less verbose way of achieving this, or is my example the only real way of achieving this?

mdx

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edited Mar 8, 2017 at 9:54



roalz

2,768 ● 3 ● 28 ● 44

asked Sep 29, 2008 at 8:34



Tim C

70.6k ● 14 ● 76 ● 93

2 Answers

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5

DESCENDANTS([Location].[Test Company],[Location].[Site], SELF_AND_BEFORE)



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answered Sep 29, 2008 at 8:47



Santiago Cepas

4,094 ● 2 ● 27 ● 31





2



The command you want is DESCENDANTS. Keep the 'family tree' analogy in mind, and you can see that this will list the descendants of a member, down as far as you want.

You can specify the 'distance' (in levels) from the chosen member, 3 in your case.

There are a few weird options you can specify with the third argument, you want SELF_AND_AFTER, see <http://msdn.microsoft.com/en-us/library/ms146075.aspx>

EDIT - oops, as santiiii noticed, it should be SELF_AND_BEFORE

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edited Sep 29, 2008 at 8:57

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answered Sep 29, 2008 at 8:43



Magnus Smith

5,963 ● 8 ● 45 ● 65
