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Subject: Tree structure with more than one table  
Posted by [htManager](#) on Tue, 31 May 2022 07:57:01 GMT  
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Have you ever created a flexible tree structure with more than one table?

I ask because I would like to map a structure with organizations, clubs, seasons, teams and team members. However, the data of the respective tables are stored in different tables. The tables can be linked to each other using the primary keys.

Is there a way to achieve this in `_cm_getNodeData()`?

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Subject: Re: Tree structure with more than one table  
Posted by [AJM](#) on Wed, 01 Jun 2022 09:01:14 GMT  
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What do you mean by "more than one table"? My article at A Flexible Tree Structure identifies 3 tables - TREE-TYPE, TREE-LEVEL and TREE-NODE. Why is this not enough for your needs?

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Subject: Re: Tree structure with more than one table  
Posted by [htManager](#) on Wed, 01 Jun 2022 09:40:02 GMT  
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






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Yes, I know and it works fine. But what I mean is, if it is possible to create a structure with more than one 'node' table? I attached a screen shot where you can see the organisation hierarchy. These occurrences are all stored in one table. Now I have additional tables for the teams and for the team members. And my question is, if these two additional tables can be shown in the tree structure?

### File Attachments

1) [htm\\_tree\\_structure.png](#), downloaded 1638 times

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Verbandsstruktur	
Neu	Suchen
Letzte Suche	Altersklassen (Vorgaben)
Ebenen	Nationen
Selections: <a href="#">select all</a>   <a href="#">unselect all</a>   locked <input checked="" type="checkbox"/>	
Detail	Ändern
Löschen	Audit Trail
Hallen	Schulen
Vereine	
Select	Verband
<input type="checkbox"/>	 IHF International Handball Federation
<input type="checkbox"/>	 European Handball Federation
<input type="checkbox"/>	 Albanien - federata shqiptare e hendbollit
<input type="checkbox"/>	 Federacio Andorrano D` handbol
<input type="checkbox"/>	 Handball Federation of Armenia
<input type="checkbox"/>	 Österreichischer Handballbund
<input type="checkbox"/>	 Handball Federation of Azerbaijan
<input type="checkbox"/>	 Union Royale Belge de Handball
<input type="checkbox"/>	 Rukometni Savez Bosne I Hercegovine
<input type="checkbox"/>	 Handball-federation of Belarus
<input type="checkbox"/>	 Bulgarian Handball Federation
<input type="checkbox"/>	 Deutscher Handballbund
<input type="checkbox"/>	 Badischer Handball-Verband e.V.
<input type="checkbox"/>	 Bremer Handball-Verband e.V.
<input type="checkbox"/>	 Bayerischer Handball-Verband e.V.
<input type="checkbox"/>	 Hessischer Handball-Verband e.V.
<input type="checkbox"/>	 Hamburger Handball-Verband e.V.
<input type="checkbox"/>	 Handball-Verband Berlin e.V.
<input type="checkbox"/>	 Handball-Verband Brandenburg e.V.
<input type="checkbox"/>	 Handball-Verband Mittelrhein e.V.
<input type="checkbox"/>	 Handball-Verband Mecklenburg-Vorpommern e.V.
<input type="checkbox"/>	 Handball-Verband Niederrhein e.V.

Subject: Re: Tree structure with more than one table  
 Posted by [AJM](#) on Thu, 02 Jun 2022 09:02:49 GMT  
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What is the structure that you are trying to represent?

Have you thought about adding another TREE-TYPE as this can give you another set of nodes. It is possible for a LEAF entity to be attached to nodes from multiple TREE-TYPES.

Subject: Re: Tree structure with more than one table  
Posted by [htManager](#) on Fri, 03 Jun 2022 08:17:16 GMT  
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As far as I understand correctly, the tree structure is build with records from TREE-NODE. Can I attach records from a different table instead of only records from TREE-NODE? Otherwise I had to insert the already existing occurrences from my tables in TREE-NODE to get them shown in the tree structure.

But I think that if this should work, you have to identify the table first and then the node of this table, to attach this node in the tree structure. But in your flexible tree structure isn't a 'table' column. Question: would this work? and would that be feasible? Or am I wrong and do not understand right how to solve such a problem?

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Subject: Re: Tree structure with more than one table  
Posted by [AJM](#) on Fri, 03 Jun 2022 08:49:38 GMT  
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The tree structure contains only three tables - TREE-TYPE, TREE-LEVEL and TREE-NODE with which you can construct many types of different tree structures. A LEAF is a table in your application database which can contain a foreign key into one of the TREE-NODE entries. When I say "one" I mean one within a particular TREE-TYPE, so it is possible for a LEAF to contain foreign keys into TREE-NODEs with different values for tree\_type\_id.

If you want you could use your LEAF table as just a stepping stone and have another table acting as a CHILD-LEAF, with multiple rows if necessary, and then in a third application table you could have a foreign key into CHILD-LEAF instead of LEAF.

You still have not provided me with a pictorial example of what structure you are trying to achieve, so I cannot provide a definitive solution.

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