

## EDIT - task #6226

### Delete orphaned key nodes

11/28/2016 01:39 PM - Andreas Müller

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Highest	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Müller	<b>% Done:</b>	100%
<b>Category:</b>	data	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	CDM UML 4.7		
<b>Severity:</b>	normal		
<b>Description</b>			
As deletion did not work correctly for long time we do still have PolytomousKeyNodes that do reference a PolytomousKey that does not exist anymore in the database (due to missing referential integrity checking).			
These need to be deleted via update script.			
The same may be true for other tree nodes (TaxonNode, FeatureNode) => checked this, taxon node and feature node do not seem to be critical, didn't find any example, maybe taxon nodes where deleted previously already			
<b>Related issues:</b>			
Copied to EDIT - bug #6705: Remove remaining orphaned PolytomousKeyNodes			<b>New</b>

#### Associated revisions

##### Revision 38dc3727 - 06/05/2017 04:51 PM - Andreas Müller

fix #6226 delete orphaned keys and key statements

#### History

##### #1 - 11/28/2016 01:40 PM - Andreas Müller

```
SELECT *
FROM PolytomousKeyNode pkn
WHERE pkn.key_id NOT IN (SELECT id FROM PolytomousKey);
```

##### #2 - 12/01/2016 01:48 PM - Andreas Müller

- Target version changed from CDM UML 4.1 to Release 4.6

##### #3 - 12/01/2016 01:59 PM - Andreas Müller

- Target version changed from Release 4.6 to CDM UML 4.7

##### #4 - 06/05/2017 12:43 PM - Andreas Müller

- Priority changed from New to Highest

##### #5 - 06/05/2017 04:48 PM - Andreas Müller

Also need to delete orphaned key statements

##### #6 - 06/05/2017 04:49 PM - Andreas Müller

- Tracker changed from bug to task

##### #7 - 06/05/2017 04:52 PM - Andreas Müller

- Description updated

- Status changed from New to Resolved

- % Done changed from 0 to 50

##### #8 - 06/08/2017 08:11 AM - Andreas Müller

- Copied to bug #6705: Remove remaining orphaned PolytomousKeyNodes added

**#9 - 06/08/2017 08:12 AM - Andreas Müller**

- Status changed from Resolved to Closed

I checked with

```
SELECT *
FROM PolytomousKeyNode pkn
WHERE pkn.key_id NOT IN (SELECT id FROM PolytomousKey);
```

```
SELECT *
FROM PolytomousKeyNode pkn
WHERE pkn.question_id NOT IN (SELECT ks.id FROM KeyStatement ks) or
pkn.statement_id NOT IN (SELECT ks.id FROM KeyStatement ks);
```

```
SELECT *
FROM KeyStatement ks
WHERE id NOT IN (SELECT MN.KeyStatement_id FROM KeyStatement_LanguageString MN );
```

```
SELECT *
FROM KeyStatement_LanguageString MN
WHERE MN.label_id NOT IN (SELECT id FROM LanguageString LS ) ;
```

didn't find any unlinked records except for those being there before already (e.g. in cyprus KeyStatement.id = 2613 which has not LanguageString) => deleted this in production as it is not in the key anymore.

So there are some more orphaned key nodes that have no parent but are also no root nodes. This is handled in new [#6705](#)

**#10 - 06/08/2017 08:12 AM - Andreas Müller**

- % Done changed from 50 to 100