TYPO3 Core - Bug #14139

Install tool is incapable of comparing modern database dumps

2004-05-03 22:29 - Ingmar Schlecht

Status:	Closed	**Start date:**	2004-05-03
Priority:	Could have	**Due date:**	
Assignee:	Ingmar Schlecht	**% Done:**	0%
Category:	Install Tool	**Estimated time:**	0.00 hour
Target version:			
TYPO3 Version:	3.8.0beta2	**Complexity:**	
PHP Version:		**Is Regression:**	
Tags:		**Sprint Focus:**	

Description

When I use the "Database Analyzer" of the Typo3 install tool to compare the current database to the file typo3conf/database.sql it shows me lots of differences although the current database is in fact exactly the same as the database.sql file so there should NOT be ANY difference.

When I look closer at it, I see that the only differences Typo3 finds is the order of things.

It says it needs to do this...
ALTER TABLE be_groups CHANGE tstamp tstamp
int(11) unsigned NOT NULL default '0';

...because the current value is this:
int(11) unsigned DEFAULT '0' NOT NULL

This bug is present in the install tool as well as in the extension manager.

I might be able to provide a fix for this when I've got some spare time, so I'll assign this bug to me.
(issue imported from #M55)

Related issues:

Related to TYPO3 Core - Bug #14354: MySQL gt 4.1 no default value for auto inc	**Closed**	**2004-10-12**
Has duplicate TYPO3 Core - Bug #14336: Database analyzer gives stupid Alter s...	**Closed**	**2004-09-22**

History

#1 - 2004-05-06 17:33 - Ingmar Schlecht

quick and DIRTY (!) fix for t3lib_install:

Replace the line:
} elseif (strcmp($FDcomp[$table][$theKey][$fieldN], $fieldC)){
with:
} elseif (strcmp($this->getNormalizedFieldDefinition($fieldC), $this->getNormalizedFieldDefinition($FDcomp[$table][$theKey][$fieldN]))){

And somewhere below insert this new function:

```
function getNormalizedFieldDefinition($FD) {
        // remove duplicate spaces and convert to upper case
        $FD = ereg_replace(' +',' ',strtoupper($FD));

$mysqlExpressions = array(
        'NOT NULL' => 'not_null',
        "DEFAULT \'([^']*)\'" => 'default_\\1', // DOES THIS DOES NOT WORK STABLE!
        );

foreach($mysqlExpressions as $mysqlExpression => $replacement) {
        $FD = ereg_replace($mysqlExpression,$replacement,$FD);
        }

if(strstr($FD,'AUTO_INCREMENT')) {
        $FD = str_replace('default_0','',$FD);
        }
```

```
$parts = t3lib_div::trimExplode(' ',$FD);
         sort($parts);

if(!strcmp($parts[0],'')) unset ($parts[0]);

return implode($parts,',');
     }
```

#2 - 2004-07-01 03:14 - old_facorreia

I have a similar situation, but it is not only the order of things:

ALTER TABLE be_groups CHANGE uid uid int(11) unsigned NOT NULL auto_increment;
Current value: int(11) unsigned DEFAULT '0' NOT NULL auto_increment

The difference is that the Current value has DEFAULT '0' and the definition doesn't.

#3 - 2005-04-18 13:50 - Michael Stucki

Should be fixed in 3.8.0beta2 - please reopen if this is wrong.

#4 - 2005-04-27 22:24 - Peter Niederlag

I still find these problems wit 3.8.0beta2 as well as current HEAD.

Install-Tool->Update required tables->COMPARE

ALTER TABLE be_groups CHANGE uid uid int(11) DEFAULT '0' NOT NULL auto_increment;
Current value: int(11) unsigned DEFAULT '0' NOT NULL auto_increment
.....
.....

#5 - 2005-05-10 09:52 - Peter Niederlag

seems finally solved.
Thx to all bugfixers

```
$parts = t3lib_div::trimExplode(' ',$FD);
         sort($parts);

if(!strcmp($parts[0],'')) unset ($parts[0]);

return implode($parts,',');
     }
```