

HOWTO: FE User Password Encryption

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The content of this document is related to TYPO3
- a GNU/GPL CMS/Framework available from www.typo3.com

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Introduction

What does it do?

- This is a HowTo for change the storage of user passwords as a md5 hash in the database.
- Note: With this changes a Backend Admin will not longer see FE User passwords in clear text!
- Note: The communication between the FE User and the Typo3 server is further in clear text. Use https if you need more security.

HowTo

You need to edit the following files of your Typo3core

1. typo3/sysex/cms/tbl_cms.php

```
"password" => Array (
    "label" => "LLL:EXT:cms/locallang_tca.php:fe_users.password",
    "config" => Array (
        "type" => "input",
        "size" => "10",
        "max" => "40",
        "eval" => "nospace,lower,required"
```

change this line to:

```
"eval" => "required,md5"
```

2. tslib/class.tslib_feuserauth.php

```
var $security_level = "";
```

change this line to:

```
var $security_level = "encrypted";
```

3. t3lib/class.t3lib_userauth.php

here you need to add some lines

```
switch ($this->security_level) {
    case "superchallenged":
        case "encrypted":
            if (md5($F_uident) == $tempuser[$this->useridnt_column]) {
                $OK = true;
            }
}
```

4. tslib/class.tslib_content.php

here you need to add some lines too

```
function getUpdateJS($dataArray, $formName, $arrPrefix, $fieldList, $stripSlashes=1) {
    if ($arrPrefix == 'FE[fe_users]' && $dataArray["password"]!="") {
        if ($dataArray["password_again"] != $dataArray["password_orig"]){
            $dataArray["password"]=md5($dataArray["password"]);
            $dataArray["password_again"]=md5($dataArray["password_again"]);
        }
    }
}
```

5. media/scripts/fe_adminLib.inc

here you need to add some lines too

```
case "twice":
    if (isset($inputArr[$theField])) {
        if (!isset($inputArr[$theField."_orig"])) {
            $inputArr[$theField."_orig"] = $inputArr[$theField];
        }
        this->additionalUpdateFields.=",".$theField."_orig";
    }
}
```

6. fe_admin_fe_users.tmpl or in the template for fe_admin

in the section: ###TEMPLATE_EDIT### you need to add:

```
<input type="hidden" name="FE[fe_users][password_orig]">
```

What are this changes good for?

1. This is used for adding a FE User in the Backend. It change the storage of the FE User password as md5 hash in the database.
2. A new \$security_level ("encrypted") for authentication for FE User logins added.
3. This is the function that check FE User logins again the database.
4. This is needed for the fe_user_admin extension or something like that. If a FE User change the password with a web formular the password must be stored as md5 hash in the database.
5. Also needed for fe_user_admin extension or something like that.