Install-Tool 2.0

What has been done and how the future should look like.
Overview

‣ Why do we need a new Installer?
‣ What has been done so far?
‣ Why are we here?
  ‣ What has to be done?
  ‣ How should it be done?
‣ Who wants to do it?
<table>
<thead>
<tr>
<th>Pros</th>
<th>Cons</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ It’s working</td>
<td>- No skinning</td>
</tr>
<tr>
<td></td>
<td>- Large pages</td>
</tr>
<tr>
<td></td>
<td>- No multilingualism</td>
</tr>
<tr>
<td></td>
<td>- No auto-detection</td>
</tr>
<tr>
<td></td>
<td>- Hard to extend</td>
</tr>
<tr>
<td></td>
<td>- Hardcoded output</td>
</tr>
<tr>
<td></td>
<td>- ...</td>
</tr>
</tbody>
</table>
What has been done yet?

Collected information
Wishlist (Wiki)
Concepts (Wiki)
New concepts

Installer  ➔  Setup-Center
Hardcoded  ➔  ModelViewController
One script  ➔  Modules
Open questions

- How should the output be rendered?
  - General
  - Forms
- What steps are necessary for an installation?
- How can the information made accessible?
Rendering

- HTML Templates
- TYPO3 Templating Engine
- External Templating Engine (Smarty?)
- PHP Templates
- Rendering with cObj
- Own solution with pseudo-code
General concept–idea

Framework for Install-Tool for TYPO3 4.X

- **class.tx_install_controller.php**
- **dispatch**
- **class.tx_install_view.php**
- **TYPO3 Install-Tool output of Module X or Y (or both)**
- **cObj ?**
- **Template ?**
- **TYPO3 Skin**

- **class.tx_install_basics.php**
- **Module 1**
- **Module 2**
- **Module X**

Modules from Install-Tool and external extensions
What does a module?

- Provides all information for a specific task
- Communicates with the Installer via API
- Encapsulates the complete logic
- Does not print out anything
Classification

- Tags (Tagclouds like in blogs)
- Categories
- Not at all? (Search with live filtering)
- A combination
Installation Wizard

Welcome to this installation Wizard:

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Wizzard Language:
Please select your option language for this installation Wizard

Wizzard Mode:
- New Typo3 Installation
- Update Typo3 Installation
- Get all options at once

(last step) next step
Database

In this section you can get an overview of your currently selected database compared to sql-files. You can also import sql-data directly into the database or upgrade tables from earlier versions of TYPO3.

Connection

Connected to SQL database successfully

Host: Localhost
User: HeMe
Pass: [REDACTED]

Database: Not Found!

DBT: installer2

Has 0 tables.

Administration

From this menu you can select which of the available SQL files you want to either compare or import/merge with the existing database.

COMPARE: Compares the tables and fields of the current database and the selected file and shows all differences found.

IMPORT: Imports the SQL dump file into the current database. You can either dump the same file and compare it against itself or import a new file which you want to import. In any case, you'll see a new screen where you can confirm the operation.

VIEW: Shows the content of the SQL file, limiting characters on a single line to a reader-friendly amount.

The SQL files are selected from typo3/ext (here you can put your own) and ext/typo3/ext/typo3_distribution (TYPO3 distribution). The SQL files are mostly for the convenience level at least but are formatted to work with standard text editors.
Any questions or ideas?

Be inspired to share!
Links

‣ Wiki-Page
  http://wiki.typo3.org/index.php/Install-Tool_2.0

‣ Nightly build
  http://typo3.org/development/collaborative-extension-development/typo3xdev-nightlies/

‣ Developement Blog
  http://www.typo3-unleashed.net
Thank you!

Contact: installer2@typo3-unleashed.net