

Zend_Controller_Scaffolding - Alex Oroshchuk

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Zend Framework: Zend_Controller_Scaffolding Component Proposal

Proposed Component Name	Zend_Controller_Scaffolding
Developer Notes	http://framework.zend.com/wiki/display/ZFDEV/Zend_Controller_Scaffolding
Proposers	Alex Oroshchuk
Zend Liaison	TBD
Revision	1.0 - Aug 2010: Initial Draft. (wiki revision: 20)

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1. Overview

`Zend_Controller_Scaffolding` will provide quick scaffolding features (that every mature framework has) by extending `Zend_Controller_Action` class. **The component has a real code base (<https://github.com/lex0r/zendscaffolding>) and is used in several projects.**

2. References

Github Project: <https://github.com/lex0r/zendscaffolding>

3. Component Requirements, Constraints, and Acceptance Criteria

- This component provides typical scaffolding actions like CReate, Update and Delete, as well as data lists.
- This component allows to easily mix scaffolding and custom actions.
- This component allows to use custom views for scaffolding actions by setting a view path.
- This component supports sorting of data lists.
- This component supports partially (and **will** provide a larger support) data list filtering by one or more data fields.
- This component supports pagination of data lists.

- This component supports custom select statements (`Zend_Db_Select` or `Zend_Db_Table_Select`) for specific data lists.
- This component provides several callbacks (through overriding of protected methods) to customize edit and search forms and enhance user experience.
- This component supports data relationships (and **will** provide a larger support) when editing related entities (like one-to-many and many-to-many).
- This component allows to restrict certain scaffolding actions and/or provide data listing only.
- This component **will** support scaffolding configuration through `Zend_Config`.

4. Dependencies on Other Framework Components

- `Zend_Controller`
- `Zend_Db`
- `Zend_View`
- `Zend_Form`
- `Zend_Pagination`
- `Zend_Validate`
- `Zend_Filter`

5. Theory of Operation

There are several steps:

- Decide on data fields available for edition/listing/sorting/search and prepare two configuration structures: list of data (or synthetic) fields and general scaffolding options (like custom view folder, pagination etc.)
- Initialize scaffolding by passing 3 parameters: data providing class instance and the two configuration structures.

6. Milestones / Tasks

Component has a stable release on Github.

7. Class Index

- `Zend_Controller_Scaffolding`

8. Use Cases

9. Class Skeletons

```
class Zend_Controller_Scaffolding extends Zend_Controller_Action {
    public function initScaffolding() {
    }

    public function indexAction() {
    }

    public function listAction() {
    }

    public function createAction() {
    }

    public function updateAction() {
    }

    public function deleteAction() {
    }
}
```

**View scripts**

View scripts for corresponding actions will be available. User will have to place them under /views/scripts/scaffolding.

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