
Doctrine 2 ORM Documentation

Release 2.2

Doctrine Project Team

December 17, 2012

Contents

The Doctrine documentation is comprised of tutorials, a reference section and cookbook articles that explain different parts of the Object Relational mapper.

Doctrine DBAL and Doctrine Common both have their own documentation.

Getting Help

If this documentation is not helping to answer questions you have about Doctrine ORM don't panic. You can get help from different sources:

- There is a [FAQ](#) with answers to frequent questions.
- The [Doctrine Mailing List](#)
- Internet Relay Chat (IRC) in #doctrine on Freenode
- Report a bug on [JIRA](#).
- On [Twitter](#) with #doctrine2
- On [StackOverflow](#)

If you need more structure over the different topics you can browse the `table of contents`.

Getting Started

- **Tutorial:** Code First | Model First | Database First
- **Introduction:** In 10 quick steps | Architecture
- **Setup:** Installation | Configuration | Tools
- Limitations and knowns issues

Mapping Objects onto a Database

- **Mapping:** Objects | Associations | Inheritance
- **Drivers:** Docblock Annotations | XML | YAML | PHP

Working with Objects

- **Basic Reference:** `Entities` | `Associations` | `Events`
- **Query Reference:** `DQL` | `QueryBuilder` | `Native SQL`
- **Internals:** `Internals explained` | `Associations`

Advanced Topics

- Transactions and Concurrency
- Filters
- NamingStrategy
- Improving Performance
- Caching
- Partial Objects
- Change Tracking Policies
- Best Practices
- Metadata Drivers

Tutorials

- Indexed associations
- Extra Lazy Associations
- Composite Primary Keys
- Ordered associations
- Pagination
- Override Field/Association Mappings In Subclasses

Cookbook

- **Patterns:** Aggregate Fields | Decorator Pattern | Strategy Pattern
- **DQL Extension Points:** DQL Custom Walkers | DQL User-Defined-Functions
- **Implementation:** Array Access | Notify ChangeTracking Example | Using Wakeup Or Clone | Working with DateTime | Validation | Entities in the Session
- **Integration into Frameworks/Libraries** CodeIgniter
- **Hidden Gems** Prefixing Table Name
- **Custom Datatypes** MySQL Enums Advanced Field Value Conversion