



Mastering the Doctrine ORM

Duration: 3 days - 21 hours

Price : 1 490€ / person

Code: DOC1C1

GOALS

Discover a smart and time-saving way to manipulate your databases with PHP 5.

PRE-REQUISITES: OOP, coding in PHP5, knowing an SGBDR

PUBLIC: Developers

FULL PROGRAM

INSTALLING DOCTRINE

- Installing via Pear
- Installing via SVN
- Installing by downloading package

STARTING APPLICATION

- Simple MVC application
- Home brewed database abstraction layer
- Vulnerable to SQL injections
- Hard to maintain
- Lots of things done manually

CONNECTIONS

- Bootstrap Doctrine autoloader
- Using the DSN(Data Source Name)
- Creating connections
- Creating and dropping databases
- Executing raw queries with PDO
- Managing multiple connections
- Binding models to connections
- Lazy connections
- Using existing PDO instances
- Managing connections
- Connection profiling/query logging

CONFIGURATION

- Global attributes
- Connection attributes
- Record attributes
- Table options

DATABASE ABSTRACTION LAYER

- Complete API for altering databases
- Creating tables
- Creating and dropping databases
- Executing SQL queries

MODELS

- Writing your models in PHP
- Model autoloading
- Using Models
- Create tables from your models

RELATIONSHIPS

- Many to Many
- Equal Many to Many
- One to Many
- One to One
- Self Referencing
- Cascading operations

RETRIEVING DATA

- Doctrine Query Language
- Querying Many to Many relationships
- Magic finder methods
- Custom finder methods
- Named queries
- Hydration methods

WORKING WITH OBJECTS

- Modifying objects
- Saving objects
- Deleting objects
- Linking Objects
- From arrays
- Synchronizing with arrays

EVENTS

- Using event listeners
- Connection listeners
- Record listeners
- DQL callbacks
- Hydration listeners

INHERITANCE

- Single Table
- Concrete
- Column Aggregation

BEHAVIORS

- Core behaviors
- Loading behaviors
- Writing your own behaviors

SCHEMA FILES

- Generate YAML from existing database or set of models
- Alternatively specify schema information in YAML
- Generate PHP code from YAML

DATA FIXTURES

- Writing data fixtures
- Loading data fixtures
- Dumping data fixtures

MIGRATIONS

- Generating migrations from models and existing databases
- Developing migrations for model schema changes
- Running migrations

UNIT TESTING

- Testing your model
- Writing tests
- Running tests