



## Doctrine Facade

```

$path = Doctrine::getPath();
$models = Doctrine::loadModels($modelsPath);
$models = Doctrine::getLoadedModels();
Doctrine::generateModelsFromDb($modelsPath);
Doctrine::generateYamlFromDb($schemasPath);
Doctrine::generateModelsFromYaml($schemasPath, $modelsPath);
Doctrine::createTablesFromModels($modelsPath);
Doctrine::generateSqlFromModels($modelsPath);
Doctrine::generateYamlFromModels($schemasPath, $modelsPath);
$results = Doctrine::createDatabases();
$results = Doctrine::dropDatabases();
Doctrine::dumpData($fixturesPath);
Doctrine::loadData($fixturesPath);
Doctrine::migration($migrationsPath, $versionNum);
Doctrine::generateMigrationClass($className, $migrationsPath);
Doctrine::generateMigrationsFromDb($migrationsPath);
Doctrine::generateMigrationsFromModels($migrationsPath, $modelsPath);
$modelNameTable = Doctrine::getTable($modelName);
Doctrine::compile('/path/to/doctrine/lib', array $drivers);
Doctrine_Manager::getInstance()->setAttribute($attribute, $value);
$conn = Doctrine_Manager::connection($dsn, $connName);
$conn = Doctrine_Manager::getInstance()->getConnection($connName);
$manager = Doctrine_Manager::getInstance();

```

## Records / Collections

```

setTableDefinition()
setUp()
hasOne('Model', $options);
hasMany('Model', $options);
$options = array('local' => 'local_id', 'foreign'
=> 'id', 'refClass' => 'XrefModel');
hasColumn($name, $type, $length $options);
index($name, $options);
actAs('BehaviorName');
option($name, $value);
$record->toArray($deep = true);
$collection->toArray($deep = true);
$collection->getFirst();
$collection->getLast();
$collection->count();
$record->fromArray($array);
$collection->fromArray($array);

```

## Schema Files

```

type: string(length)
length: integer
connection: conn_name
package: PackageName
actAs: [BehaviorName]
validator_name: name
autoincrement: true
columns:
  username: string(255)
relations:
  Phonenumbers:
    class: Phonenumbers
    local: user_id
    foreign: phonenumbers_id
    refClass: UserPhonenumbers
    foreignAlias: Users
    foreignType: many
    type: many

```

## Command Line Interface

```

./doctrine
Doctrine Command Line Interface

./doctrine build-all
./doctrine build-all-load
./doctrine build-all-reload
./doctrine compile
./doctrine create-db
./doctrine create-tables
./doctrine dql
./doctrine drop-db
./doctrine dump-data
./doctrine generate-migration
./doctrine generate-migrations-db
./doctrine generate-migrations-models
./doctrine generate-models-db
./doctrine generate-models-yaml
./doctrine generate-sql
./doctrine generate-yaml-db
./doctrine generate-yaml-models
./doctrine load-data
./doctrine load-dummy-data
./doctrine migrate
./doctrine rebuild-db

```

## Data Fixtures

```

User:
  username: jwage
  password: changeme
User_1:
  Phonenumbers: [Phone_1]
User_2:
  Phonenumbers:
    Phone_2:
      number: 555-555-5555
  Profile: Profile_1

Profile:
  Profile_1:
    first_name: Jonathan
    last_name: Wage
    email_address: jonwage@gmail.com

Phonenumber:
  Phone_1:
    User: User_1
    number: 555-555-5555

```

## Doctrine Query Language

```

$query = new Doctrine_Query();
$results = $query->delete()->update()->set()->select()->distinct()
->forUpdate()->from()->leftJoin()->innerJoin()->where()->addWhere()
->whereIn()->whereNotIn()->orderBy()->groupBy()->addGroupBy()
->having()->addHaving()->addOrderBy()->limit()->offset()
->setHydrationMode();

$count = $query->count();
$results = $query->execute(array $params);
$firstRecord = $results->getFirst();
$lastRecord = $results->getLast();
$count = $results->count();

```

## Validators

notnull, email, notblank, nospace, past, future, minlength(length), country, ip, htmlcolor, range(min, max), unique, regexp(expression), creditcard, digits(int, frac)

## Migrations

```

up() down() preUp() postUp() preDown() postDown()

createTable($tableName, array $fields, array $options);
dropTable($tableName);
renameTable($oldTableName, $newTableName);
createConstraint($tableName, $constraintName, array $definition);
dropConstraint($tableName, $constraintName, $primary = false);
createForeignKey($tableName, array $definition);
dropForeignKey($tableName, $fkName);
addColumn($tableName, $columnName, $type, array $options);
renameColumn($tableName, $oldColumnName, $newColumnName);
changeColumn($tableName, $columnName, $type, array $options);
removeColumn($tableName, $columnName);
addIndex($tableName, $indexName, array $options);
removeIndex($tableName, $indexName);

```

## Model Loading

```

$manager->setAttribute('model_loading', 'conservative'); // lazy loading
$manager->setAttribute('model_loading', 'aggressive'); // require_once all
spl_autoload_register(array('Doctrine', 'autoload'));
Doctrine::loadModels($models);

```