

# ADIOS framework

Methods in class  
ADIOS/Core/Model

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# Short overview & stats (Apr 20, 2023)

- Namespace ADIOS\Core
- 1638 lines of code
- 79 methods
- 6 core models (Config, LogDB, Token, Translate, User, UserRole)



# List of available methods

## **Init, Config, Translations**

init  
getConfig  
setConfig  
saveConfig  
translate

## **Installation and upgrades**

hasSqlTable  
isInstalled  
getCurrentInstalledVersion  
upgrades  
install  
hasAvailableUpgrades  
installUpgrades

## **Permissions**

checkPermissions

## **Routing**

routing  
addStandardCRUDRouting  
getStandardCRUDRoutes  
getFullUrlBase

## **Data structure definition**

getEnumValues  
columns  
columnNames  
indexes  
indexNames

## **SQL DB**

dropTableIfExists  
installForeignKeys  
getFullTableSQLName  
sqlQuery  
findForeignKeyModels  
associateKey  
getRelationships  
getExtendedData  
getById  
getByLookupSqlValue  
getAll  
getAllCached  
getQueryWithLookups  
getWithLookups

insertRow  
insertOrUpdateRow  
insertRandomRow  
updateRow  
deleteRow  
lookupSqlWhere  
lookupSqlOrderBy  
lookupSqlQuery  
lookupSqlValue  
getQuery  
addLookupsToQuery  
addCrossTableToQuery  
convertToEloquentQuery  
processLookupsInQueryResult  
fetchRows  
countRowsInQuery

## **PDO**

search pdoPrepareAndExecute  
pdoPrepareExecuteAndFetch

## **General callbacks**

onBeforeSave  
onAfterSave  
onBeforeDelete  
onAfterDelete

## **UI/Table**

tableParams  
tableRowCSSFormatter  
tableCellCSSFormatter  
tableCellHTMLFormatter  
tableCellCSVFormatter  
onTableBeforeInit  
onTableAfterInit  
onTableAfterDataLoaded  
tableFilterColumnSqlWhere  
tableFilterSqlWhere

## **UI/Form**

onFormBeforeInit  
onFormAfterInit  
formParams  
formValidate  
formSave  
formDelete

## **UI/Cards**

cardsParams  
cardsCardHtmlFormatter

## **UI/Tree**

treeParams



# Methods to be overridden

## **Init, permissions, routing**

init  
checkPermissions  
routing  
getFullUrlBase

## **Data structure definition**

getEnumValues  
columns  
columnNames  
indexes  
indexNames

## **SQL DB**

getExtendedData  
getById  
lookupSqlWhere  
lookupSqlOrderBy  
lookupSqlQuery  
lookupSqlValue

## **General callbacks**

onBeforeSave  
onAfterSave  
onBeforeDelete  
onAfterDelete

## **UI/Table**

tableParams  
tableRowCSSFormatter  
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## **UI/Form**

onFormBeforeInit  
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formParams  
formValidate  
formSave  
formDelete

## **UI/Cards**

cardsParams  
cardsCardHtmlFormatter

## **UI/Tree**

treeParams



# Most commonly overridden methods

## Initialization

Init

## Permissions

checkPermissions

## Routing

routing

## Data structure definition

getEnumValues

columns

indexes

## SQL DB

getExtendedData

## General callbacks

onBeforeSave

onAfterSave

onBeforeDelete

onAfterDelete

## UI customization

### UI/Table

*Params modifier*

tableParams

*Design formatters*

tableRowCSSFormatter

tableCellCSSFormatter

tableCellHTMLFormatter

tableCellCSVFormatter

*Callbacks*

onTableBeforeInit

onTableAfterInit

onTableAfterDataLoaded

### UI/Form

*Params modifier*

formParams

*Data manipulation modifiers*

formValidate

formSave

formDelete

*Callbacks*

onFormBeforeInit

onFormAfterInit

### UI/Cards

*Params modifier*

cardsParams

*Design formatters*

cardsCardHtmlFormatter

### UI/Tree

*Params modifier*

treeParams



# Customization of UI

- **Params modifiers**

- tableParams(), formParams(), cardsParams(), treeParams()

- **Design formatters**

- tableRowCSSFormatter(), tableCellCSSFormatter(),  
tableCellHTMLFormatter(), tableCellCSVFormatter()
- cardsCardHtmlFormatter()

- **Data manipulation modifiers**

- formValidate(), formSave(), formDelete()

- **Callbacks**

- Available for UI/Table and UI/Form
- Missing for UI/Cards and UI/Tree



# Customization of UI

- **Any** \ADIOS\Core\UI\View class can be theoretically modified by a model.
  - E.g. by creating “params modifier” methods
- **Reasonable** only for View classes that work with the model:
  - UI/Table, UI/Form, UI/Cards, UI/Tree
  - UI/Input – params modifier is not implemented

## Question:

Do you suggest some new UI/View class to be implemented in ADIOS and to be customizable by Model?

## Way forward:

inputParams() modifier is missing – could be implemented

## Way forward:

Implement reasonable callbacks for UI/Cards and UI/Tree



Questions?

