

**BCEPHAL-MS-006**

**B-CEPHAL**



**Security**

Moriset

www.moriset.com

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Aucune entrée de table d'illustration n'a été trouvée.

# introduction

## But du document

Ce document décrit le micro-service « Project ».

## Cible

Ce document s’adresse à l’équipe de développement de B-CEPHAL.

## Portée du projet

## Acronymes et abréviations

|  |  |
| --- | --- |
| Acronyme/Abréviation | Définition |
|  |  |
|  |  |
|  |  |

Tableau 1: Acronymes et abréviations

## Documents de référence

|  |  |
| --- | --- |
| Référence | Titre |
|  |  |
|  |  |
|  |  |

Tableau 2: Document de référence

# Généralités et définitions

B-CEPHAL est une application multi projet. Les données d’un projet sont indépendantes de celles des autres projets. Physiquement, un projet est constitué d’une base de données et d’un ensemble de fichiers (xslx, csv, txt, …).

Un projet est identifié par un numéro unique.

Un utilisateur peut :

* Créer un nouveau projet
* Renommer un projet existant
* Dupliquer un projet
* Exporter ou importer un projet
* Supprimer un projet

# Implémentation

## La classe Attribute

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_ATTRIBUTE*

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100 |  |
| **defaultValue** | String | VARCHAR (100) |  |
| **declared** | Boolean |  |  |
| **incremantalValue** | Long | BIGINT |  |
| **position** | INTEGER |  |  |
| **visibleByAdminOnly** | Boolean | DEFAULT false |  |
| **entity** | Long | BIGINT |  |
| **parent** | Long | BIGINT |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_attribute (

id BIGINT not null,

name VARCHAR(100),

defaultValue VARCHAR(100),

declared Boolean,

incrementalValue BIGINT,

position INTEGER,

visibleByAdminOnly Boolean DEFAULT false,

entity BIGINT,

parent BIGINT,

PRIMARY KEY (id)

)

CREATE SEQUENCE attribute\_seq START WITH 1 INCREMENT BY 1;

## La classe AttributeRepository

|  |  |
| --- | --- |
| List<Attribute> findByEntity(Entity entity) |  |

## La classe AttributeService

|  |  |
| --- | --- |
| **AttributeService** extends Service | |
| Attribute createAttribute(AttributeApi attributeApi, Locale locale) |  |
| Attribute save(Attribute attribute, Locale locale) |  |
| **void** saveChildren(Attribute attribute, Locale locale, ListChangeHandler<Attribute> listHandler) |  |
| **void** saveAttributeValue(Attribute attribute, Locale locale, ListChangeHandler<AttributeValue> listHandler) |  |
| **void** deleteAttribute(Attribute attribute, Locale locale) |  |
| List<Attribute> getAttributeByEntityId(Long id, Locale locale) |  |
| BrowserDataPage<String> searchAttributeValues(BrowserDataFilter filter, Locale locale) |  |
| String build(ColumnFilter filter, String col) |  |
| BrowserDataPage<String> getAttributeValues(BrowserDataFilter filter, java.util.Locale locale) |  |

## La classe AttributeValue

Package: *com.moriset.bcephal.security.domain*

Table : *BCP\_ATTRIBUTE\_VALUE*

|  |  |  |  |
| --- | --- | --- | --- |
| **AttributeValue** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100) |  |
| **position** | INTEGER |  |  |
| **attribute** | Long | BIGINT |  |
| **parent** | Long | BIGINT |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_attribute\_value (

id BIGINT not null,

name VARCHAR(100),

position INTEGER,

attribute BIGINT,

parent BIGINT,

PRIMARY KEY (id)

)

CREATE SEQUENCE attribute\_value\_seq START WITH 1 INCREMENT BY 1;

## La classe AttributeValueRepository

|  |  |
| --- | --- |
| List<AttributeValue> findByAttribute(Attribute attribute) |  |

## La classe AttributeValueService

|  |  |
| --- | --- |
| **AttributeValueService** extends Service | |
| AttributeValue save(AttributeValue attributeValue, Locale locale) |  |
| **void** saveChildren(AttributeValue attributeValue, Locale locale,  ListChangeHandler<AttributeValue> listHandler) |  |
| **void** deleteValue(AttributeValue attributeValue, Locale locale) |  |
| List<AttributeValue> getAttributeValueByAttributeId(Long id, Locale locale) |  |
| **void** save(ListChangeHandler<ProfileDashboard> dashboards, Long dashboardId, Locale locale) |  |

## La classe CalendarCategory

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_CALENDAR\_CATEGORY*

|  |  |  |  |
| --- | --- | --- | --- |
| **CalendarCategory** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100) |  |
| **position** | Integer |  |  |
| **visibleByAdminOnly** | Boolean | DEFAULT false |  |
| **toString()** |  |  | |

SQL:

CREATE TABLE bcp\_calendar\_category(

id BIGINT not null,

name VARCHAR(100),

position INTEGER,

visibleByAdminOnly Boolean DEFAULT false,

PRIMARY KEY (id)

)

CREATE SEQUENCE calendar\_category\_seq START WITH 1 INCREMENT BY 1;

## La classe CalendarRepository

|  |  |
| --- | --- |
| CalendarCategory findByNameIgnoreCase(String name) |  |

## La classe CalendarService

|  |  |
| --- | --- |
| **CalendarService** extends Service | |
| CalendarRepository getRepository() |  |
| EditorData<CalendarCategory> getEditorData(EditorDataFilter filter, Locale locale) |  |
| List<CalendarCategory> getCalendars(java.util.Locale locale) |  |
| CalendarCategory saveRoot(CalendarCategory calendar, Locale locale) |  |
| CalendarCategory save(CalendarCategory calendar, Locale locale) |  |
| **void** delete(CalendarCategory calendar, Locale locale) |  |
| **void** saveDays(CalendarCategory calendar, Locale locale, ListChangeHandler<CalendarDay> listHandler) |  |

## La classe CalendarController

### La ressource «editor-data»

|  |  |  |
| --- | --- | --- |
| **getEditorData** | | |
| Header | @PostMapping("/editor-data") | getEditorData |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody EditorDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | EditorData<CalendarCategory> |
|  |  |  |
|  | | |

### La ressource «save»

|  |  |  |
| --- | --- | --- |
| **saveCalendar** | | |
| Header | @PostMapping("/save") | saveCalendar |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody CalendarCategory calendar |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | CalendarCategory |
|  |  |  |
|  | | |

## La classe CalendarDay

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_CALENDAR\_DAY*

|  |  |  |  |
| --- | --- | --- | --- |
| **CalendarDay** | | | |
| **id** | Long | BIGINT | ID |
| **category** | Long | BIGINT |  |
| **dayType** | String | VARCHAR (50) |  |
| **day** | INTEGER |  |  |
| **month** | INTEGER |  |  |
| **year** | INTEGER |  |  |
| **position** | INTEGER |  |  |
| **parent** | Long | BIGINT |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_calendar\_day (

id BIGINT not null,

category BIGINT,

dayType VARCHAR (50),

day INTEGER,

month INTEGER,

year INTEGER,

position INTEGER,

parent BIGINT,

PRIMARY KEY (id)

)

CREATE SEQUENCE calendar\_day\_seq START WITH 1 INCREMENT BY 1;

## La classe Entity

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_ENTITY*

|  |  |  |  |
| --- | --- | --- | --- |
| **Entity** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100) |  |
| **model** | Long | BIGINT |  |
| **visibleByAdminOnly** | BOOLEAN |  |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_entity (

id BIGINT not null,

name VARCHAR (100),

model BIGINT not null,

visibleByAdminOnly BOOLEAN DEFAULT false,

PRIMARY KEY (id)

)

CREATE SEQUENCE entity\_seq START WITH 1 INCREMENT BY 1;

## La classe EntityRepository

|  |  |
| --- | --- |
| List<Entity> findByModel(Model model) |  |
| Entity findByName(String name) |  |

## La classe EntityService

|  |  |
| --- | --- |
| **EntityService** extends Service | |
| EntityRepository getRepository() |  |
| Entity createEntity(String name, Long modelId, Locale locale) |  |
| Entity saveEntity(Entity entity, Locale locale) |  |
| **void** saveAttributes(Entity entity, Locale locale, ListChangeHandler<Attribute> listHandler) |  |
| **void** deleteEntity(Entity entity, Locale locale) |  |
| List<Entity> getEntityByModelId(Long id, Locale locale) |  |

## La classe Measure

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_MEASURE*

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100) |  |
| **defaultValue** | Decimal | (31, 14) |  |
| **position** | INTEGER |  |  |
| **visibleByAdminOnly** | BOOLEAN | DEFAULT false |  |
| **parent** | Long | BIGINT |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_measure (

id BIGINT not null,

name VARCHAR (100),

defaultVlue Decimal (31, 14),

position INTEGER,

visibleByAdminOnly BOOLEAN DEFAULT false,

parent BIGINT,

PRIMARY KEY (id)

)

CREATE SEQUENCE measure\_seq START WITH 1 INCREMENT BY 1;

## La classe MeasureService

|  |  |
| --- | --- |
| **MeasureService** extends Service | |
| MeasureRepository getRepository() |  |
| EditorData<Measure> getEditorData(EditorDataFilter filter, Locale locale) |  |
| List<Measure> getMeasures(java.util.Locale locale) |  |
| Measure createMeasure(MeasureApi measureApi, Locale locale) |  |
| Measure saveRoot(Measure measure, Locale locale) |  |
| Measure save(Measure measure, Locale locale) |  |
| **void** saveChildren(Measure parent, Locale locale, ListChangeHandler<Measure> listHandler) |  |
| **void** deleteMeasure(Measure measure, Locale locale) |  |
| BrowserDataPage<BigDecimal> searchMeasureValues(BrowserDataFilter filter, Locale locale) |  |
| BrowserDataPage<BigDecimal> getMeasureValues(BrowserDataFilter filter, java.util.Locale locale) |  |

## La classe MeasureController

### La ressource «editor-data»

|  |  |  |
| --- | --- | --- |
| **getEditorData** | | |
| Header | @PostMapping("/editor-data") | getEditorData |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody EditorDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | EditorData< Measure> |
|  |  |  |
|  | | |

### La ressource «save»

|  |  |  |
| --- | --- | --- |
| **saveMeasure** | | |
| Header | @PostMapping("/save") | saveMeasure |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody Measure measure |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | Measure |
|  |  |  |
|  | | |

### La ressource «can-delete/{id}»

|  |  |  |
| --- | --- | --- |
| **canDeleteDimension** | | |
| Header | @GetMapping("/can-delete/{id}") | canDeleteDimension |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @PathVariable("id") Long id |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | **boolean** |
|  |  |  |
|  | | |

## La classe Model

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_MODEL*

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100) |  |
| **VisibleInShortcut** | BOOLEAN | DEFAULT true |  |
| **position** | INTEGER |  |  |
| **visibleByAdminOnly** | BOOLEAN | DEFAULT false |  |
| **diagramXml CLOB** |  |  |  |
| **creationDate** | Date | TIMESTAMP |  |
| **modificationDate** | Date | TIMESTAMP |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_model (

id BIGINT not null,

name VARCHAR (100),

position INTEGER,

visibleInShortcut BOOLEAN DEFAULT true,

visibleByAdminOnly BOOLEAN DEFAULT false,

diagramXml CLOB,

creationDate TIMESTAMP,

modificationDate TIMESTAMP,

PRIMARY KEY (id)

)

CREATE SEQUENCE model\_seq START WITH 1 INCREMENT BY 1;

## La classe ModelRepository

|  |  |
| --- | --- |
| Model findByNameIgnoreCase(String name) |  |
| Model findByName(String name) |  |

## La classe ModelService

|  |  |
| --- | --- |
| **ModelService** extends Service | |
| ModelRepository getRepository() |  |
| ModelEditorData getEditorData(EditorDataFilter filter, Locale locale) |  |
| Model getNewItem() |  |
| List<Model> getModels(java.util.Locale locale) |  |
| Model createModel(String name, Locale locale) |  |
| **void** saveAll(ListChangeHandler<Model> allModels, Locale locale) |  |
| Model save(Model model, Locale locale) |  |
| **void** saveEntities(Model model, Locale locale, ListChangeHandler<Entity> listHandler) |  |
| **void** deleteModel(Model model, Locale locale) |  |
| **boolean** canDeleteEntity(Long id) |  |
| **boolean** canDeleteEntity(Entity entiry) |  |
| **boolean** canDeleteAttribute(Long id) |  |
| **boolean** canDeleteAttribute(Attribute attribute) |  |
| **boolean** canDeleteModel(Long id) |  |

## La classe ModelController

### La ressource «editor-data»

|  |  |  |
| --- | --- | --- |
| **getEditorData** | | |
| Header | @PostMapping("/editor-data") | getEditorData |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody EditorDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | ModelEditorData |
|  |  |  |
|  | | |

### La ressource «all-models»

|  |  |  |
| --- | --- | --- |
| **getModels** | | |
| Header | @GetMapping("/all-models") | getModels |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | List<Model> |
|  |  |  |
|  | | |

### La ressource «saveModel»

|  |  |  |
| --- | --- | --- |
| **saveModel** | | |
| Header | @PostMapping("/save") | saveModel |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody Model model |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | Model |
|  |  |  |
|  | | |

### La ressource «save-all»

|  |  |  |
| --- | --- | --- |
| **saveAllModel** | | |
| Header | @PostMapping("/save-all") | saveAllModel |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody ListChangeHandler<Model> allModels |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | List<Model> |
|  |  |  |
|  | | |

### La ressource «search-attribute-values»

|  |  |  |
| --- | --- | --- |
| **searchAttributeValues** | | |
| Header | @PostMapping("/search-attribute-values") | searchAttributeValues |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody BrowserDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | BrowserDataPage<String> |
|  |  |  |
|  | | |

### La ressource «search-measure-values»

|  |  |  |
| --- | --- | --- |
| **searchMeasureValues** | | |
| Header | @PostMapping("/search-measure-values") | searchMeasureValues |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody BrowserDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | BrowserDataPage<BigDecimal> |
|  |  |  |
|  | | |

### La ressource «search-period-values»

|  |  |  |
| --- | --- | --- |
| **searchPeriodValues** | | |
| Header | @PostMapping("/search-period-values") | searchPeriodValues |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody BrowserDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | BrowserDataPage< Date> |
|  |  |  |
|  | | |

### La ressource «can-delete/{type}/{id}»

|  |  |  |
| --- | --- | --- |
| **canDeleteDimension** | | |
| Header | @GetMapping("/can-delete/{type}/{id}") | canDeleteDimension |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @PathVariable("type") String type |
| @PathVariable("id") Long id |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | **boolean** |
|  |  |  |
|  | | |

## La classe PeriodName

Package: *com.moriset.bcephal.security.domain*

Table: *BCP\_PERIOD\_NAME*

|  |  |  |  |
| --- | --- | --- | --- |
| **PeriodName** | | | |
| **id** | Long | BIGINT | ID |
| **name** | String | VARCHAR (100) |  |
| **defaultValue** | Date |  |  |
| **position** | INTEGER |  |  |
| **visibleByAdminOnly** | BOOLEAN | DEFAULT false |  |
| **parent** | Long | BIGINT |  |
| **toString()** | String |  | |

SQL:

CREATE TABLE bcp\_period\_name (

id BIGINT not null,

name VARCHAR (100),

defaultVlue Date,

position INTEGER,

visibleByAdminOnly BOOLEAN DEFAULT false,

parent BIGINT,

PRIMARY KEY (id)

)

CREATE SEQUENCE period\_name\_seq START WITH 1 INCREMENT BY 1;

## La classe PeriodNameService

|  |  |
| --- | --- |
| **PeriodNameService** extends Service | |
| PeriodNameRepository getRepository() |  |
| EditorData<PeriodName> getEditorData(EditorDataFilter filter, Locale locale) |  |
| List<PeriodName> getPeriodNames(java.util.Locale locale) |  |
| PeriodName createPeriod(PeriodApi periodApi, Locale locale) |  |
| PeriodName saveRoot(PeriodName period, Locale locale) |  |
| PeriodName save(PeriodName period, Locale locale) |  |
| **void** saveChildren(PeriodName parent, Locale locale, ListChangeHandler<PeriodName> listHandler) |  |
| **void** deletePeriod(PeriodName periodName, Locale locale) |  |
| BrowserDataPage<Date> searchPeriodValues(BrowserDataFilter filter, Locale locale) |  |
| BrowserDataPage<Date> getPeriodValues(BrowserDataFilter filter, java.util.Locale locale) |  |

## La classe PeriodNameController

### La ressource «editor-data»

|  |  |  |
| --- | --- | --- |
| **getEditorData** | | |
| Header | @PostMapping("/editor-data") | getEditorData |
|  |  |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody EditorDataFilter filter |
| @RequestHeader("Accept-Language") java.util.Locale locale |
| Response | EditorData< PeriodName> |
|  |  |  |
|  | | |

### La ressource «save»

|  |  |  |
| --- | --- | --- |
| **savePeriod** | | |
| Header | @PostMapping("/save") | savePeriod |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @RequestBody PeriodName periodName |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | PeriodName |
|  |  |  |
|  | | |

### La ressource «can-delete/{id}»

|  |  |  |
| --- | --- | --- |
| **canDeleteDimension** | | |
| Header | @GetMapping("/can-delete/{id}") | canDeleteDimension |
|  | @ResponseStatus(HttpStatus.***OK***) |
|  |  |
|  |  |
| Exceptions |  |
|  |
|  |
| Parameters | @PathVariable("id") Long id |
| @RequestHeader(RequestParams.***LANGUAGE***) java.util.Locale locale |
| Response | **boolean** |
|  |  |  |
|  | | |