

MongoDb

Accès direct

Librairies

- [gson](#)
- [Mongo-java-driver](#)

(dé)Sérialisation

Gson va permettre de sérialiser et désérialiser pour passer d'objet java à JSON et inversement :

```
public class DB0Adapter {  
    private static Gson gson;  
  
    private static Gson getGson() {  
        if (gson == null) {  
            GsonBuilder gsonBuilder = new GsonBuilder();  
            gsonBuilder.registerTypeAdapter(ObjectId.class, new ObjectIdAdapter());  
            gsonBuilder.excludeFieldsWithoutExposeAnnotation().setDateFormat("MMMM  
dd, yyyy HH:mm:ss");  
            gson = gsonBuilder.create();  
        }  
        return gson;  
    }  
  
    public static <T extends Model> T dboToModel(DB0bject db0bject, Class<T> clazz)  
{  
        gson = getGson();  
        String json = gson.toJson(db0bject);  
        return gson.fromJson(json, clazz);  
    }  
  
    public static BasicDB0bject objectToDB0bject(Object object) {  
        BasicDB0bject obj = (BasicDB0bject) JSON.parse(getGson().toJson(object));  
        return obj;  
    }  
  
    public static DB0bject[] objectToDB0bjectArray(Object object) {  
        BasicDB0bject[] objects = new BasicDB0bject[] { objectToDB0bject(object) };  
        return objects;  
    }  
}
```

Gestion de l'objectId mongoDB

```
public class ObjectIdAdapter
    implements JsonSerializer<ObjectId>, JsonDeserializer<ObjectId> {

    @Override
    public JsonElement serialize(ObjectId id, Type typeOfT,
JsonSerializationContext context) {
        JsonObject jo = new JsonObject();
        jo.addProperty("$oid", id.toHexString());
        return jo;
    }

    @Override
    public ObjectId deserialize(JsonElement json, Type typeOfT,
JsonDeserializationContext context) throws JsonParseException {
        try {
            return new ObjectId(json.getAsJsonObject().get("$oid").getAsString());
        } catch (Exception e) {
            return null;
        }
    }
}
```

From:
<http://slamwiki2.kobject.net/> - **SlamWiki 2.1**



Permanent link:
<http://slamwiki2.kobject.net/java/mongodb?rev=1523860942>

Last update: **2019/08/31 14:37**