

# Cloning statement

Serge Guelton

October 20, 2021

## New type used for cloning

This document defines and describes the data structure used to pass parameters to the `clone_statement` function. It consists of three fields given by the user:

- `previous_module` is the entity of the module from which the cloned statement comes
- `new_module` is the entity of the module to which the cloned statement will be added. It can be the same as `previous_module`
- `labels` is the label mapping between old labels and new labels. If the old statement has two entities with the same label (like the statement and a loop inside the statement), then the new entity must also have those two entities with the same label.
- `new_module_statement` is the root statement of `new_module`

```
import entity from "ri.newgen"
```

```
import statement from "ri.newgen"
```

```
clone_context = previous_module:entity x new_module:entity x  
labels:entity* x persistent new_module_statement:statement
```