
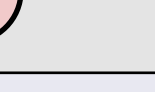
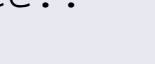


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Document
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Project: Poolable_Object generator
tool
Title: Generated Artifact Class
Diagram
Doc version: 0.1.5(Jul 27, 2020)
(Please refer to
gen_artifact_class_diagram_release_
note.md file for version history)
Repo:
https://github.com/911992/WASys_Poo
lable_Object_generator_tool
Author(s):
911992
```

Meta Legends

-  On-page reference
-  Note
-  Part of generated artifact

```
911992[principal]
https://github.com/911992
```

<code>{USER_TYPE_NAME}</code> refers to users requested type name

```
classDiagram
    class UserTypeName["{USER_TYPE_NAME}"] {
        -__pool__:Object_Pool {final}
        -__object_is_busy__:bool {volatile}
        +reset_state(void):void
        <__pool__init>:static{}
        +get_an_instance():{USER_TYPE_NAME}
        +get_pool(void):Object_Pool
        -{USER_TYPE_NAME}():{USER_TYPE_NAME}
        -__is_invalid__(void):bool
        -__invalidate__(void):void
        +back_to_pool(void):void
        +post_create(void):void
        +pre_destroy(void):void
        +set_pool(:Object_Pool):void
        +close(void):void
    }
    class Factory {
        {static} {private}
        +create_object():Poolable_Object
    }
    UserTypeName --> Factory : +
    UserTypeName ..> A
    UserTypeName ..> B
    UserTypeName ..> C
    UserTypeName ..> E
    UserTypeName ..> F
    Factory ..> D : «creates»
```

The diagram illustrates the WASys Generic Object Pool architecture. It features a large light blue container labeled "WAsys Generic Object Pool" which contains three main components: a "Poolable_Object" (represented by a light blue circle), a "Generic_Object_Pool_Policy" (represented by a light blue rectangle with a double line at the bottom), and a "Pool_Context" (represented by a light blue rectangle with a double line at the bottom). The "Poolable_Object" is associated with a yellow circle labeled "A" via a dashed line with an open triangle arrowhead. The "Pool_Context" is associated with a pink circle labeled "E" via a dashed line with an open triangle arrowhead. The "Generic_Object_Pool_Policy" is associated with a blue circle labeled "F" via a dashed line with an open triangle arrowhead. Outside the container, there are two more components: an "Object_Factory" (represented by a light blue circle) and an "Object_Pool" (represented by a light blue circle). The "Object_Factory" is associated with a yellow circle labeled "D" via a dashed line with an open triangle arrowhead. The "Object_Pool" is associated with a cyan circle labeled "B" via a dashed line with an open triangle arrowhead. A solid line connects the "Object_Factory" to the "Object_Pool". A dashed line labeled "«provides»" connects the "Object_Factory" to the "Object_Pool".

```

graph LR
    c((c)) -.-> o(( ))
    subgraph Label
    direction TB
    L1[java::lang::AutoClosable]
    end
    style Label fill:none,stroke:none

```