

Document

Project: Generic Object Pool Lib
Title: Composite Structure Diagram
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Repo:
https://github.com/911992/WAsys_simple_generic_object_pool
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Meta Legends

Version History

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Initial release

Authors

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The diagram illustrates the composite structure of the `wasys::lib::generic_object_pool` package. It features a large yellow container representing the package, which contains several nested components and interfaces.

- generic object pool impl**: A yellow component box containing a sub-component **object pool implementations** (also yellow). This sub-component is connected via a dashed line to a small white square port on the right side of the `generic object pool impl` box.
- Pool_Context**: A yellow component box located below `object pool implementations. It is connected via a solid line to another small white square port on the right side of the generic object pool impl box.`
- Object_Pool**: A dashed line with a circle and arrowhead at the top right of the package, connected to the `object pool implementations` sub-component.
- api**: A green component box located to the right of the yellow container, containing a sub-component **Object_Factory** (also green). The `Object_Factory` sub-component is connected via a solid line to a small white circle port on the right side of the `api` box.
- user component**: A green component box located to the right of the package. It is connected via a solid line to the `Object_Factory` sub-component and via a dashed line to the `Object_Pool interface.`

```
graph LR
    subgraph wasys_lib_generic_object_pool [wasys::lib::generic_object_pool]
        direction TB
        impl["generic object pool impl"]
        impl -- dashed --> OP["object pool implementations"]
        impl -- solid --> PC["Pool_Context"]
        impl -.-> OPool["Object_Pool"]
    end
    OP -.-> OPool
    PC -.-> OF["Object_Factory"]
    subgraph api [api]
        direction TB
        OF["Object_Factory"]
    end
    OF -.-> UC["user component"]
    UC -.-> OPool
```