

# Design Pattern - Proxy

## Intent

Provide a substitute or placeholder for another object. A proxy controls access to the original object, allowing you to perform something either before or after the request gets through to the original object.

The most popular uses are: Lazy initialization (**virtual proxy**), access control (**protection proxy**), local execution of a remote service (**remote proxy**), logging requests (**logging proxy**), caching request results (**caching proxy**).

