

Proxy



Karoly Nyisztor

DEVELOPER

@knyisztor www.leakka.com

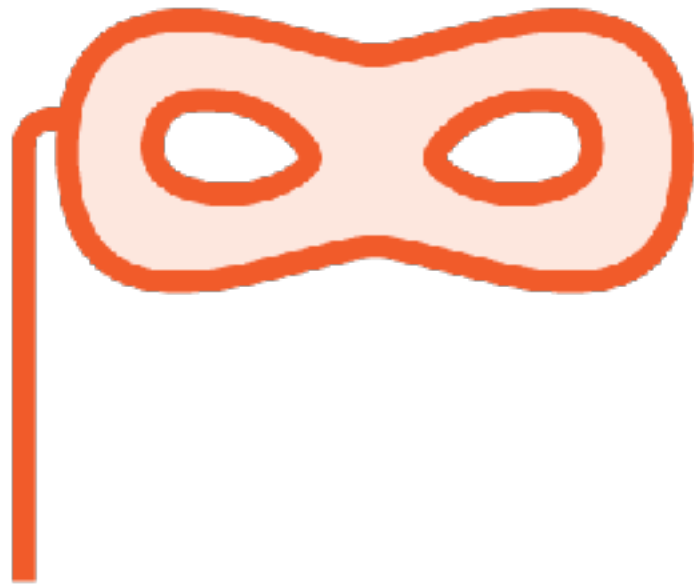
Overview

Motivation

ProxyDemo

- Access remote resources
- On-demand loading of complex objects
- Restrict access to complex resources

Motivation



Control object access

- Define a proxy, which references an underlying resource
- Clients use the proxy
- The proxy forwards and adapts client requests

Proxy Types



Remote Proxy



Virtual Proxy



Protective Proxy

Proxy

Provides a placeholder for another object to control the way the underlying resource is accessed.

Demo

ImageLoader Demo

- The brute-force approach
- Remote proxy in action

Summary

Use the Proxy to:

- Allow access to remote resources
- Manage the creation of expensive objects
- Control access to sensitive objects

Pitfalls

- Allow instantiation of “proxied” types