

Context

Client needs to access services. Direct access is possible, but not desired.

Solution

Introduce a *proxy* that supports the same interface as the server. The proxy may enforce access control, caching, or other pre- and post-processing on requests.

Types of proxy:

- Remote proxy
- Protection proxy
- Cache proxy
- Synchronization
- Counting
- Virtual
- Firewall

Forces

- Security requirements need enforcement
- Performance under direct access is insufficient
- Access to the provider should be transparent
- Remote communication may or may not be involved



Question: How does this differ from broker?