

# Offline Support and Service Workers

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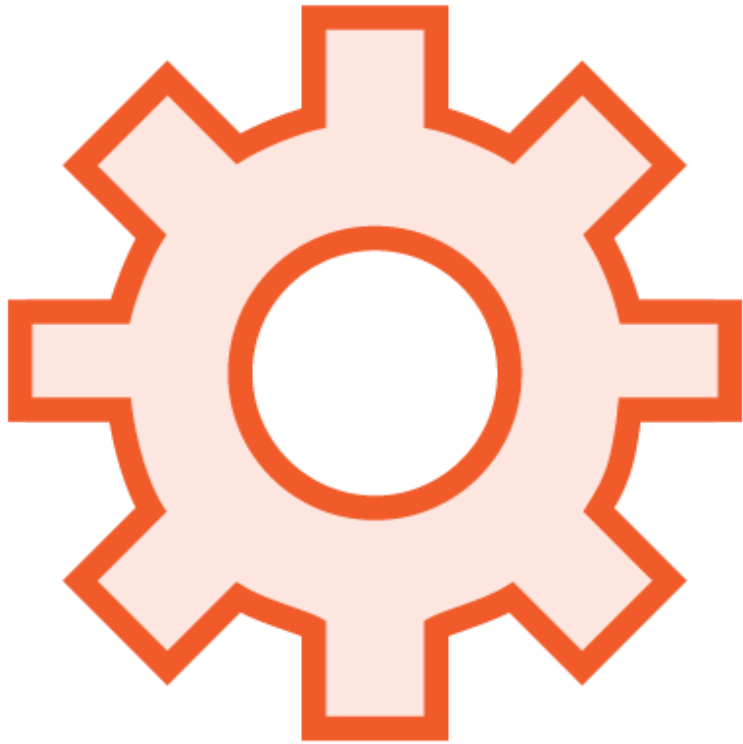


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SOFTWARE DEVELOPER

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## Service Worker

Separate Thread

Intercept Network Requests

Functional Events (fetch, push, sync)

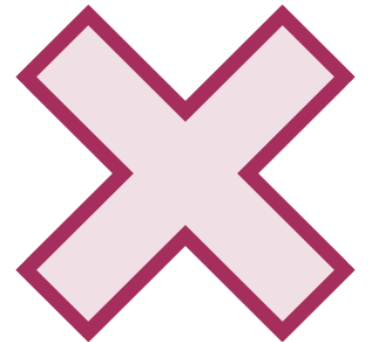


## Application Cache

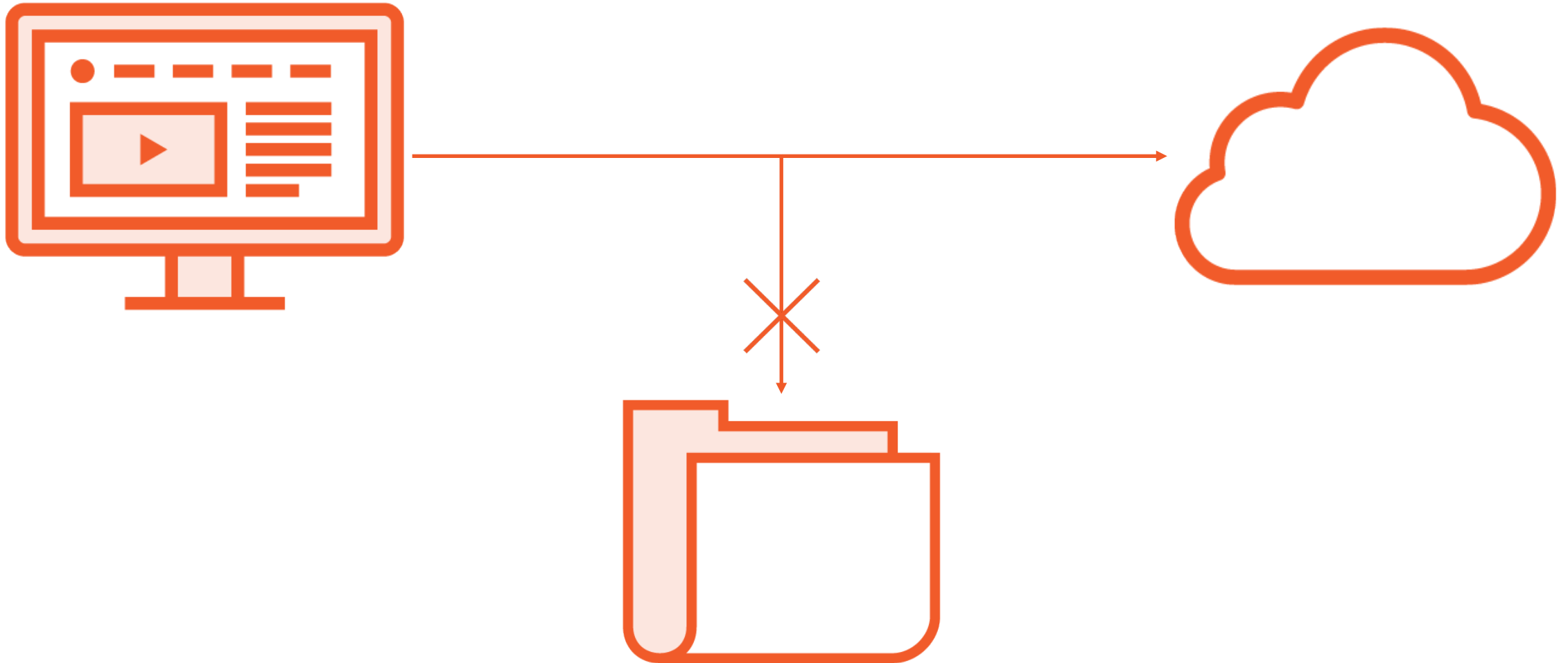
Strict Rules

Bad Versioning

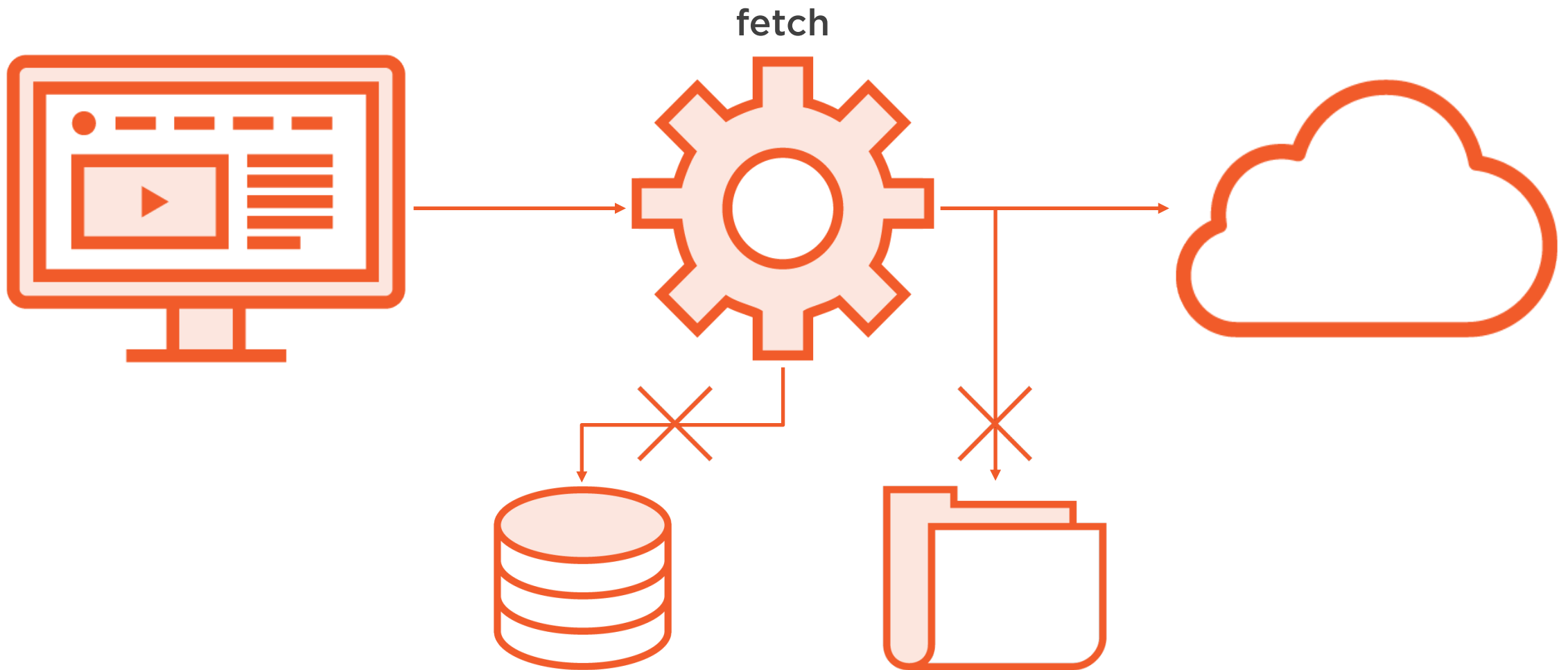
Cannot Update Small Areas



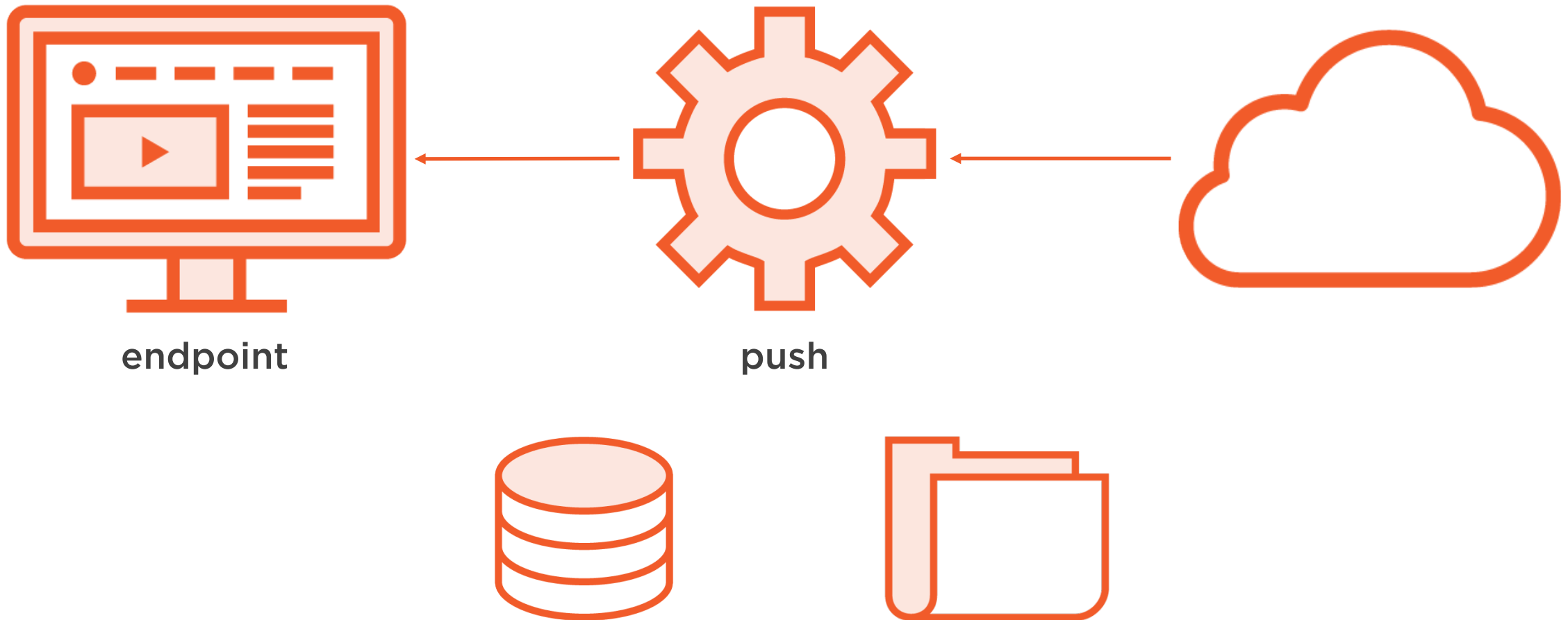
# Service Worker Overview



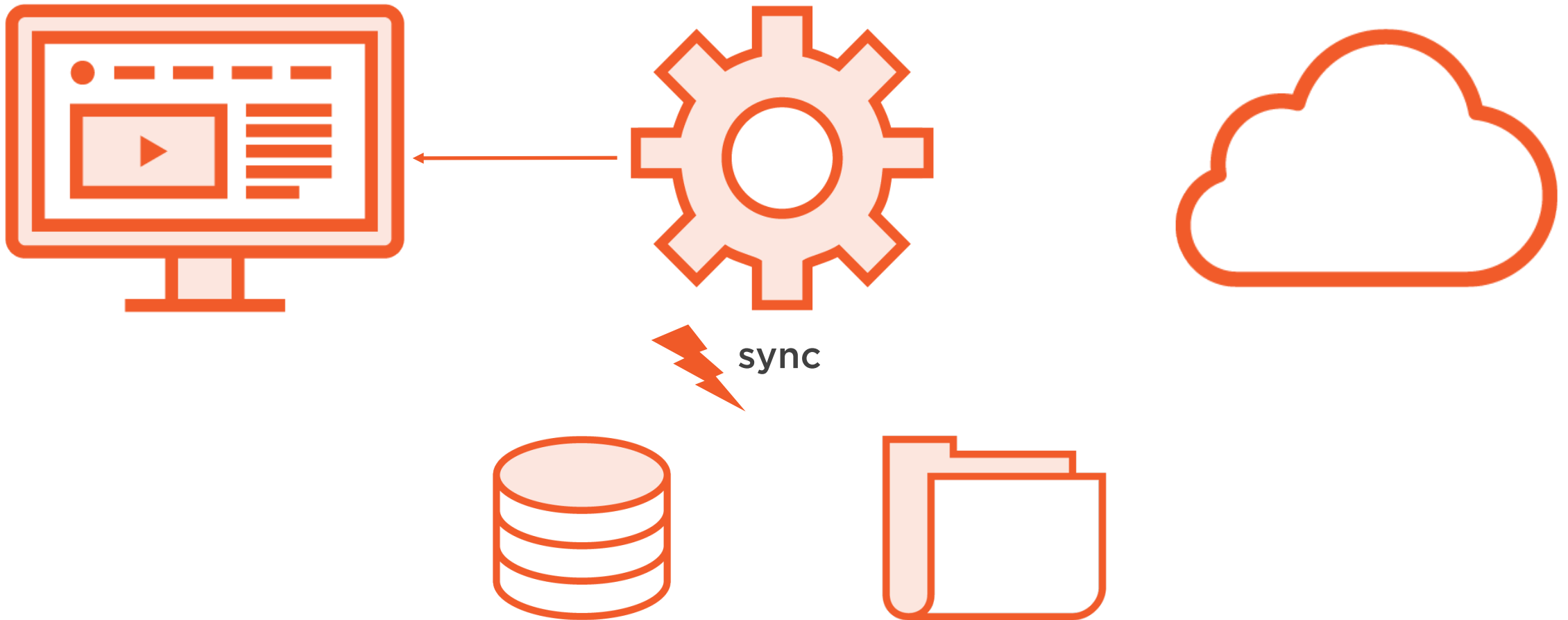
# Service Worker Overview

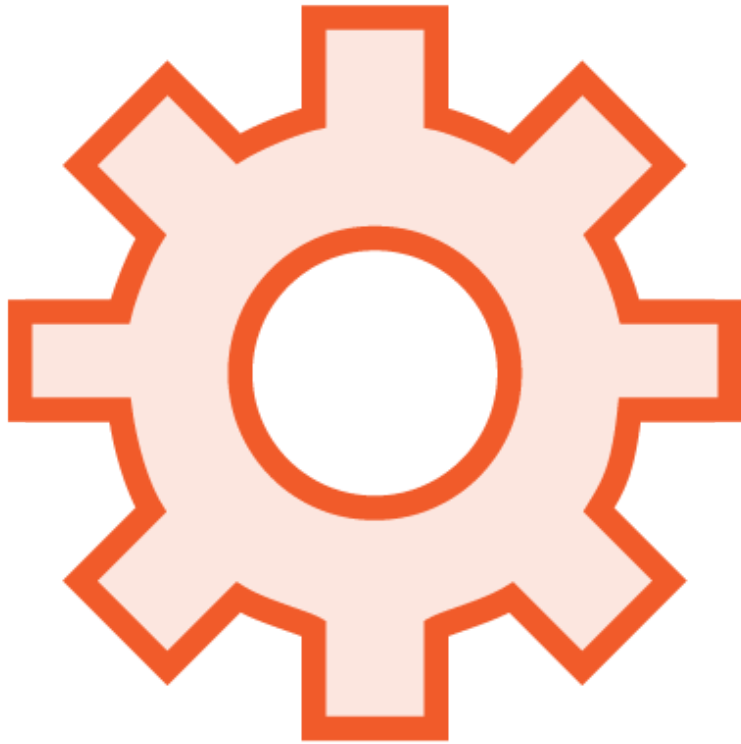


# Service Worker Overview



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Chrome, Firefox, Opera

HTTPS

Firefox

about:config, dom.serviceWorkers.enabled

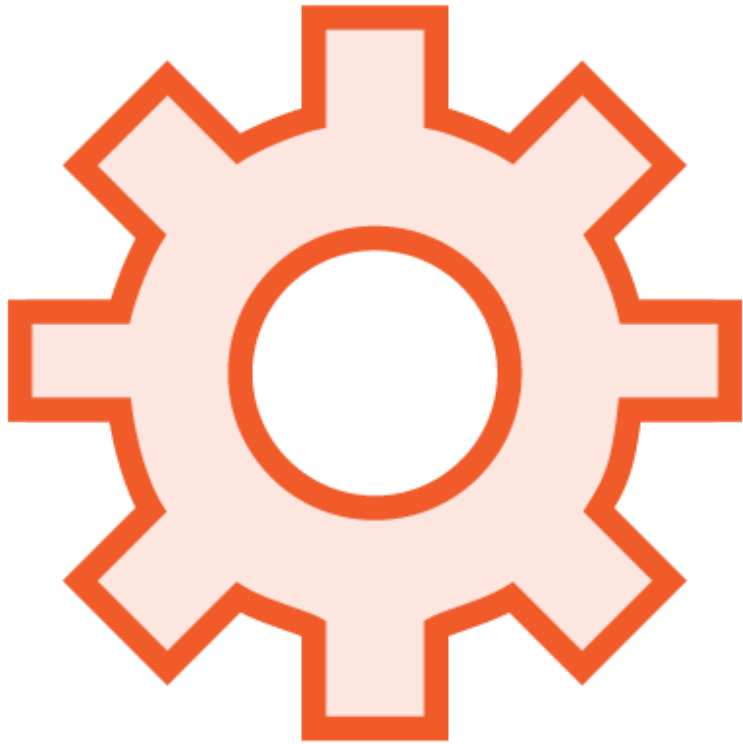
Chrome

chrome://flags, experimental-web-platform-features

Opera

opera://flags, Support for ServiceWorker





No DOM Access

No Page

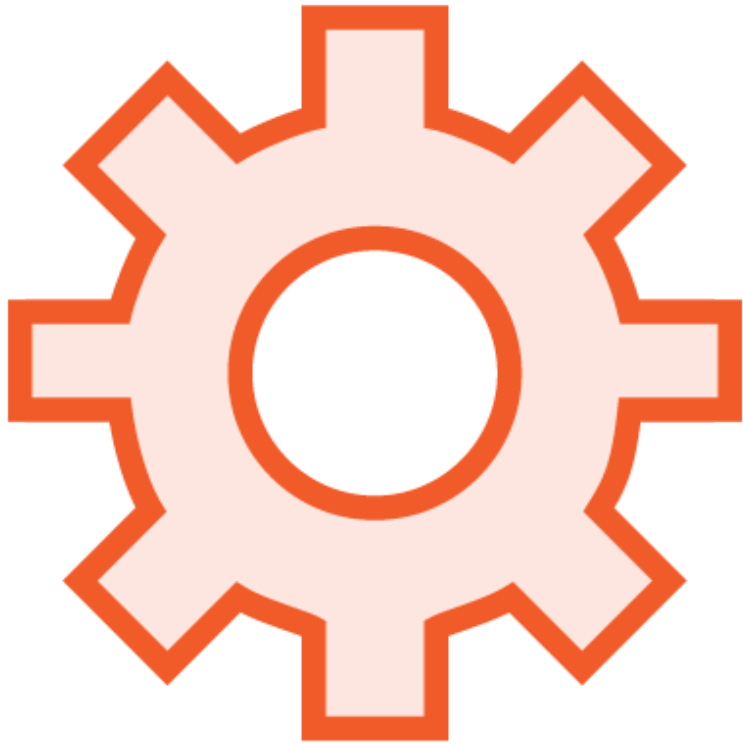
Global Script Context

HTTPS

Run Without a Page!!

Event-driven





Downloaded/Parsed

Installing

Installed/Waiting

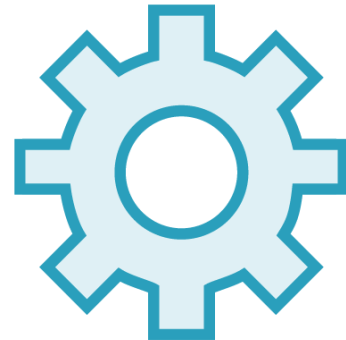
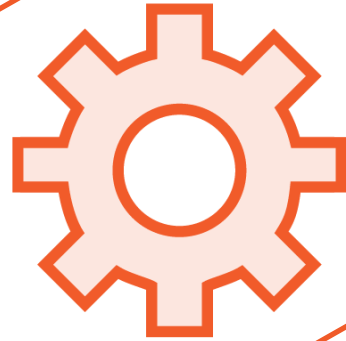
Activating

Activated

Redundant



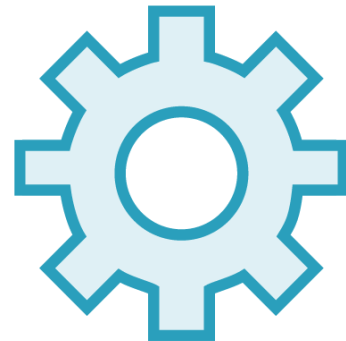
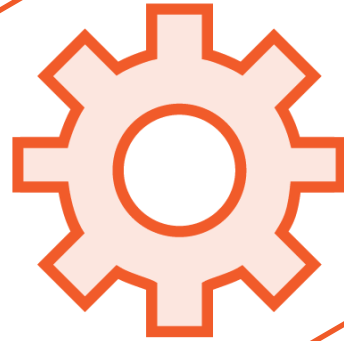
Installed/ Waiting



Installed/ waiting



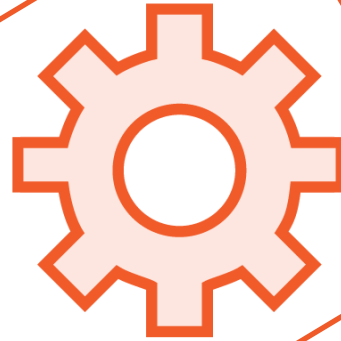
skipWaiting()



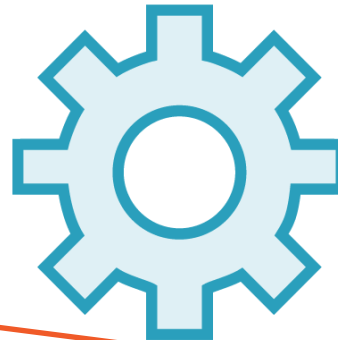
Activating



clients.claim()

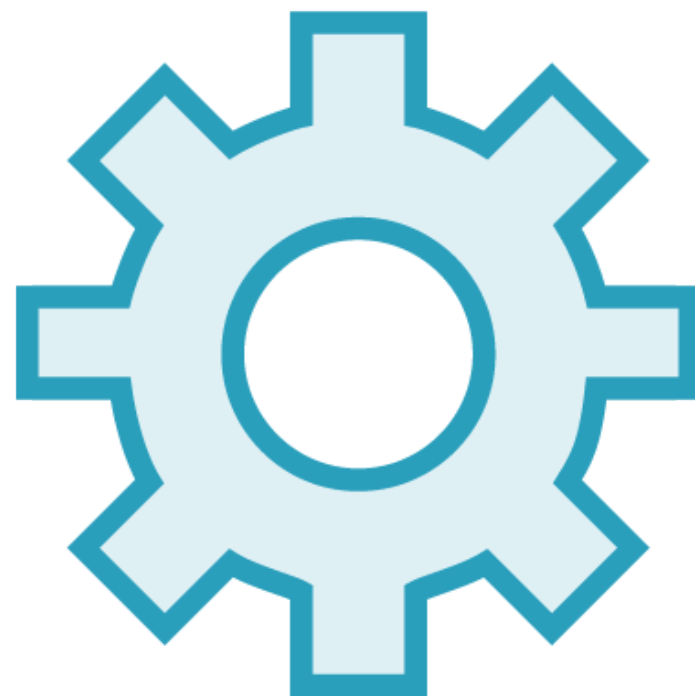
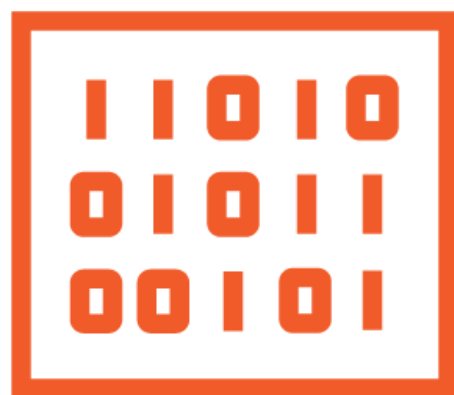
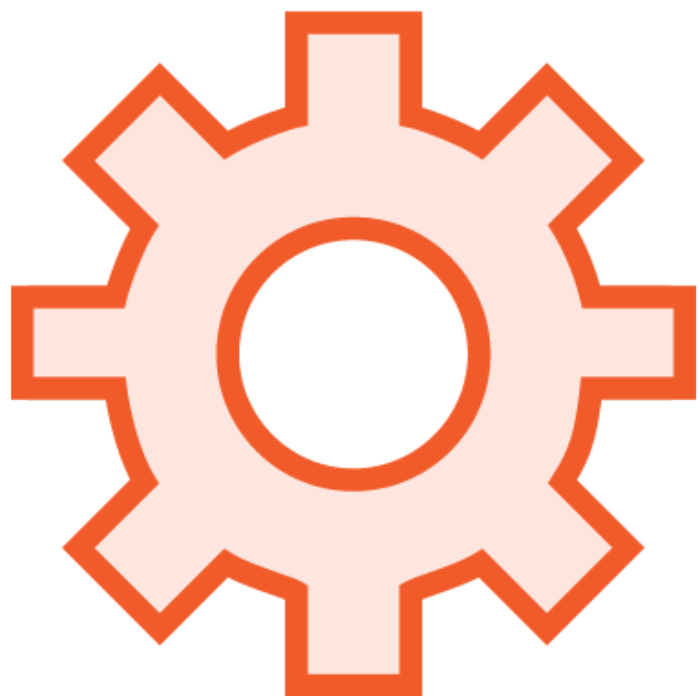


Activated

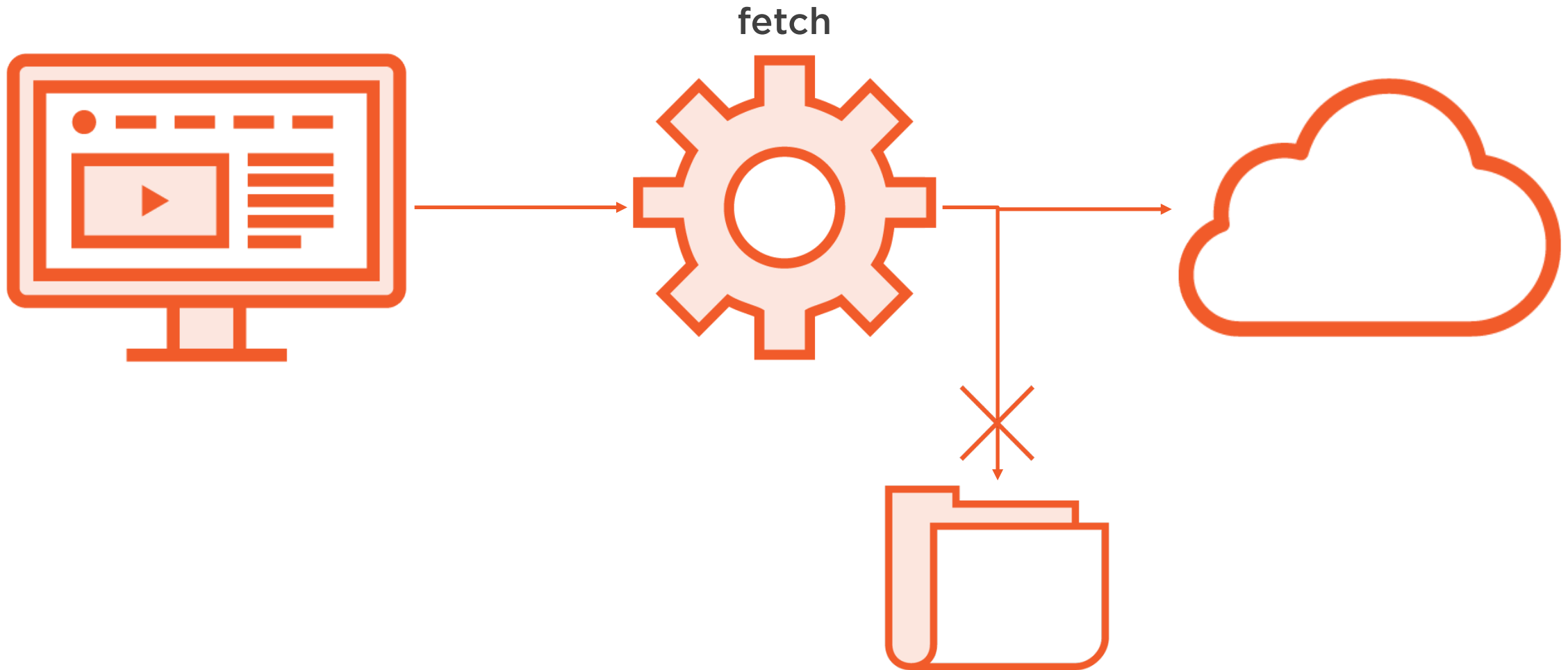


Activating

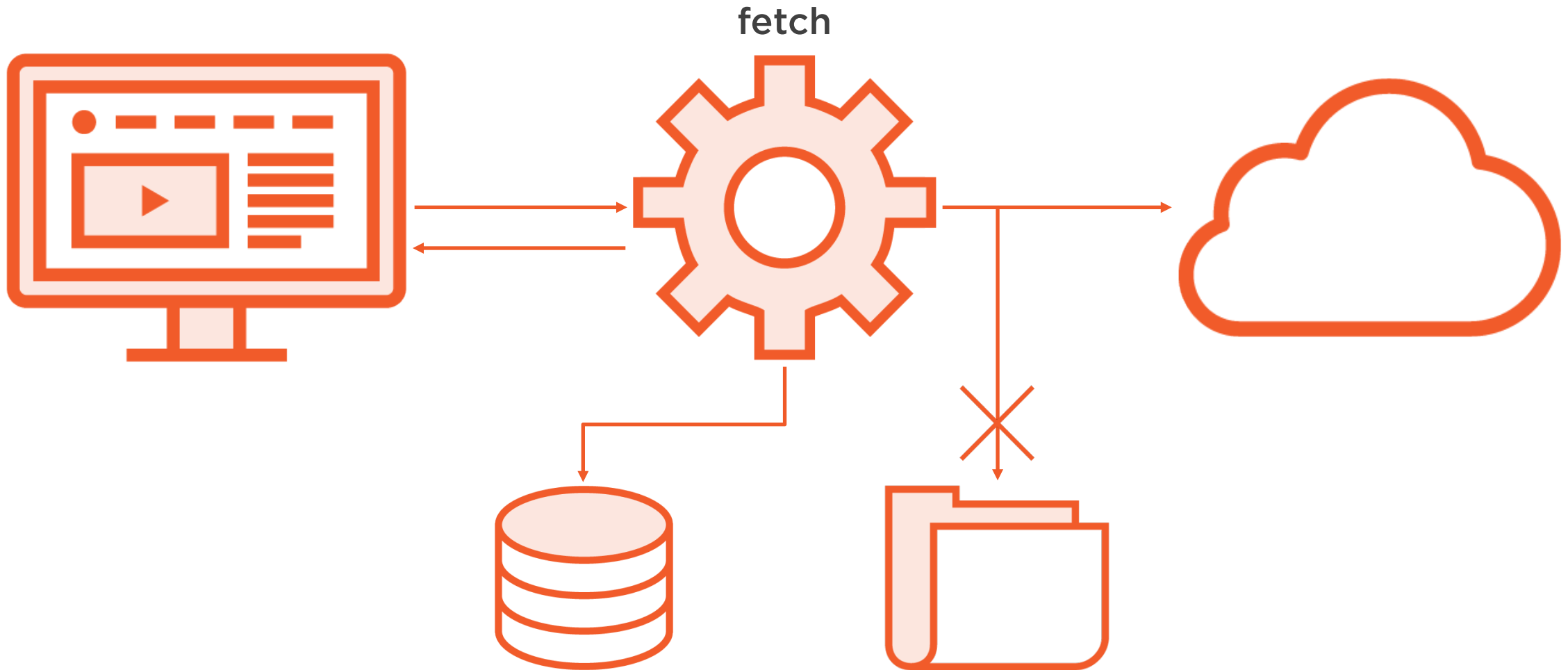




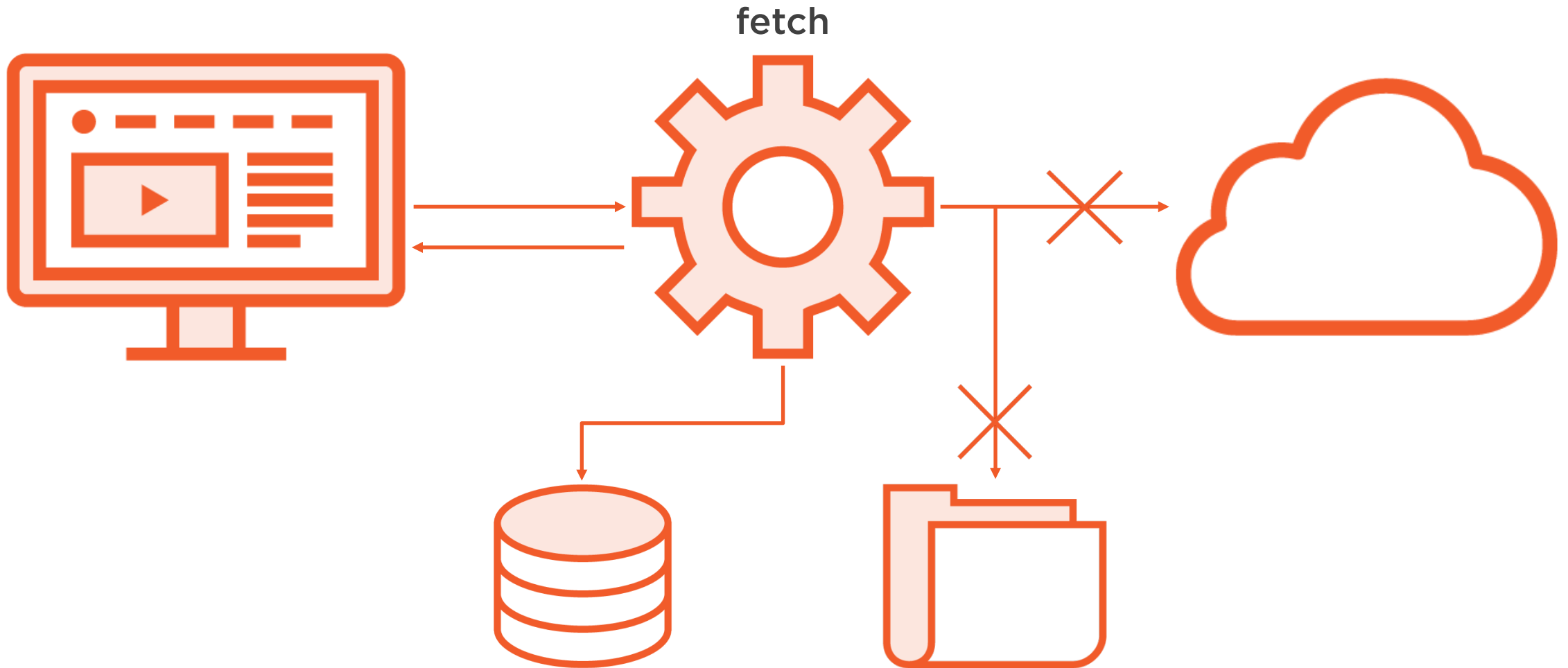
# Network Only Strategy



# Network First Then Offline Strategy

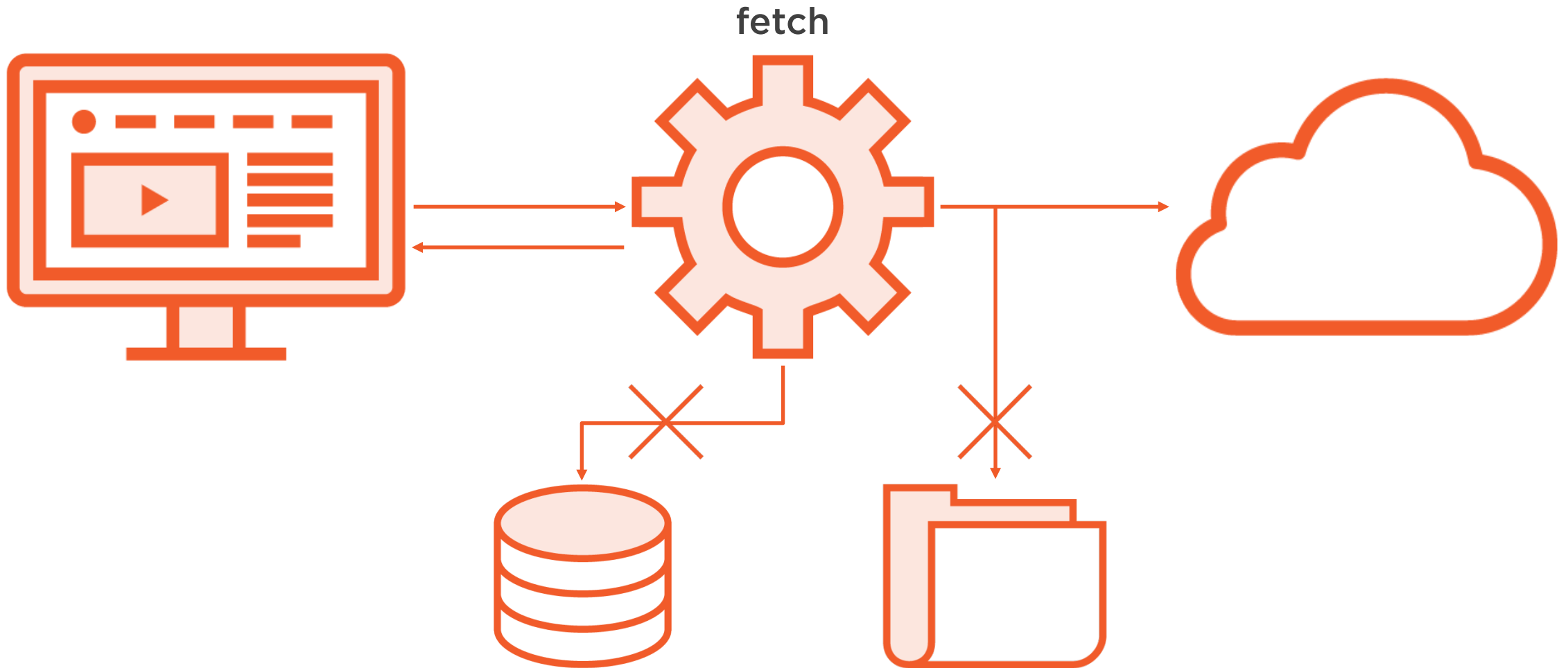


# Network First Then Offline Strategy





# Offline First Then Network Strategy



# Offline Only Strategy

