Persistence Strategies

Craig Shoemaker
craigshoemaker.net
@craigshoemaker

pluralsight
hardcore dev and IT training

Course Overview

Introduction

Working Offline

Create a New Application

Implementing the List Page

Persistence Strategies

Using IndexedDB

Implementing the Edit Page

Synchronizing Offline Data

Implementing the Manifest File

Where to Go Next

Tasks

Tasks

Implement remote service

Tasks

Implement remote service

Introduce IndexedDB

Tasks

Implement remote service

Introduce IndexedDB

Implement local service

Strategy Interface

Interface

`getAll`

Interface

```
getAll

getById
```

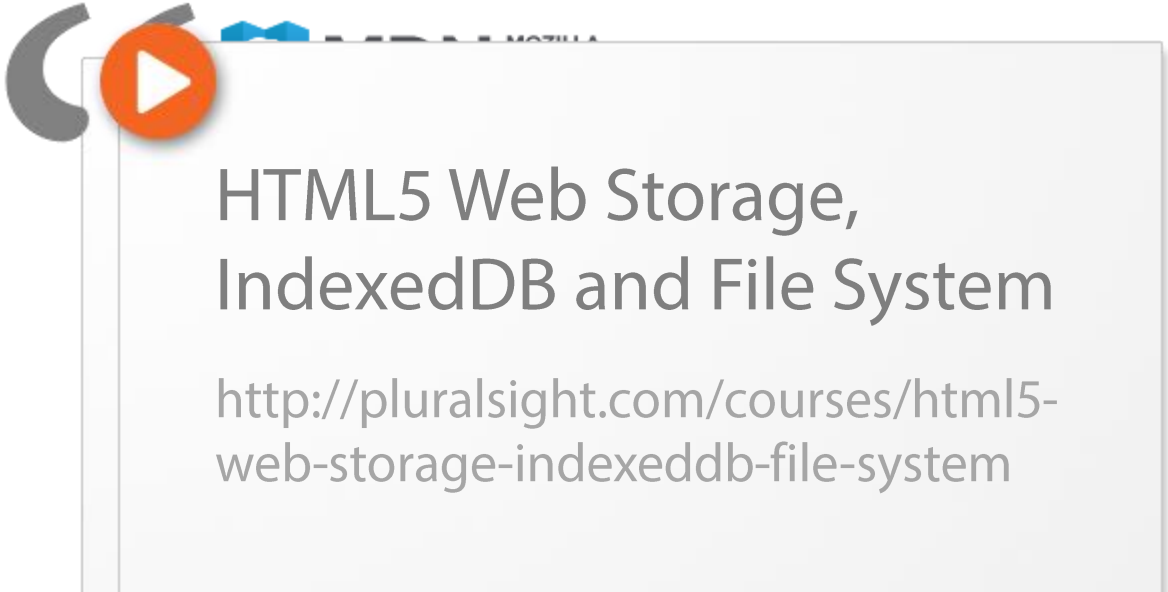
Interface

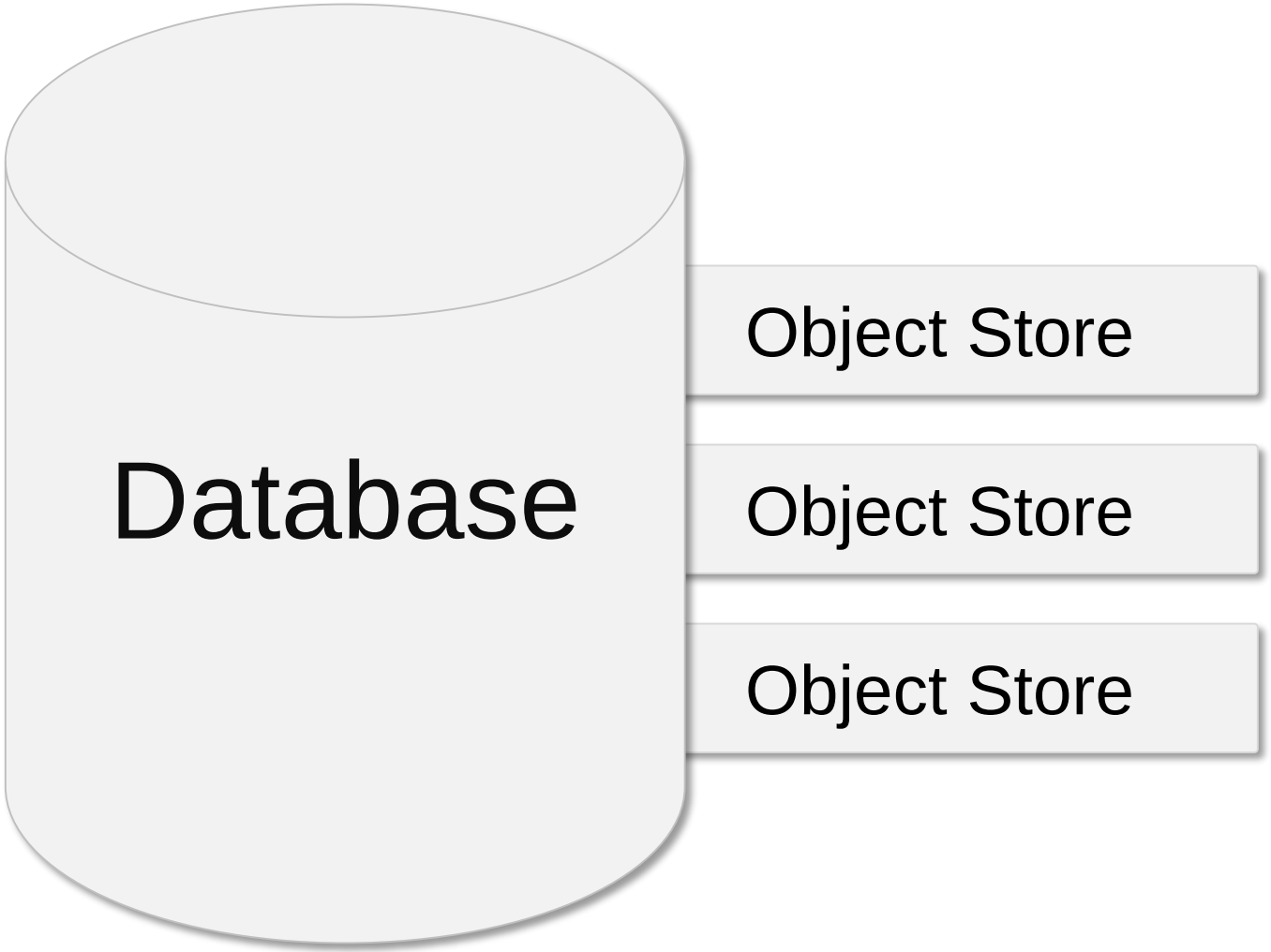
```
getAll
getById
save
```

Interface

```
getAll
getById
save
delete
```

IndexedDB


HTML5 Web Storage,
IndexedDB and File System
http://pluralsight.com/courses/html5-web-storage-indexeddb-file-system


Database
Object Store
Object Store
Object Store

IndexedDB

Request-based

IndexedDB

Request-based

Transactional

IndexedDB

Request-based

Transactional

Sandboxed

IndexedDB

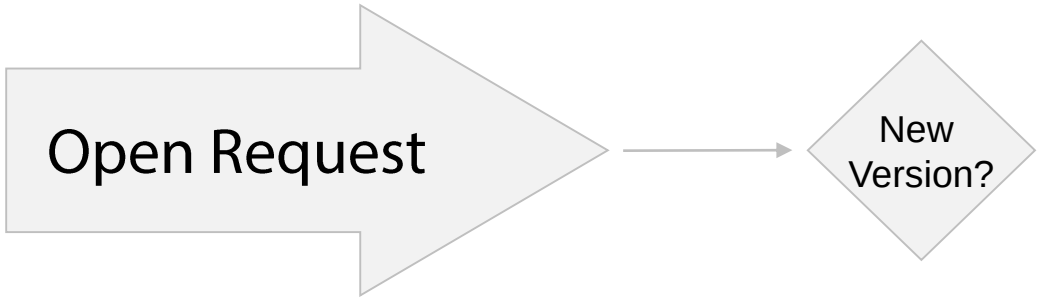
Request-based

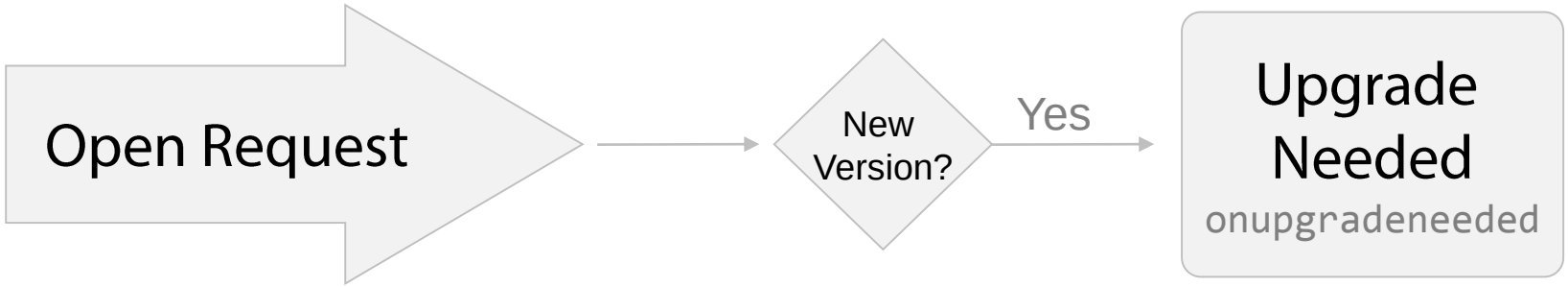
Transactional

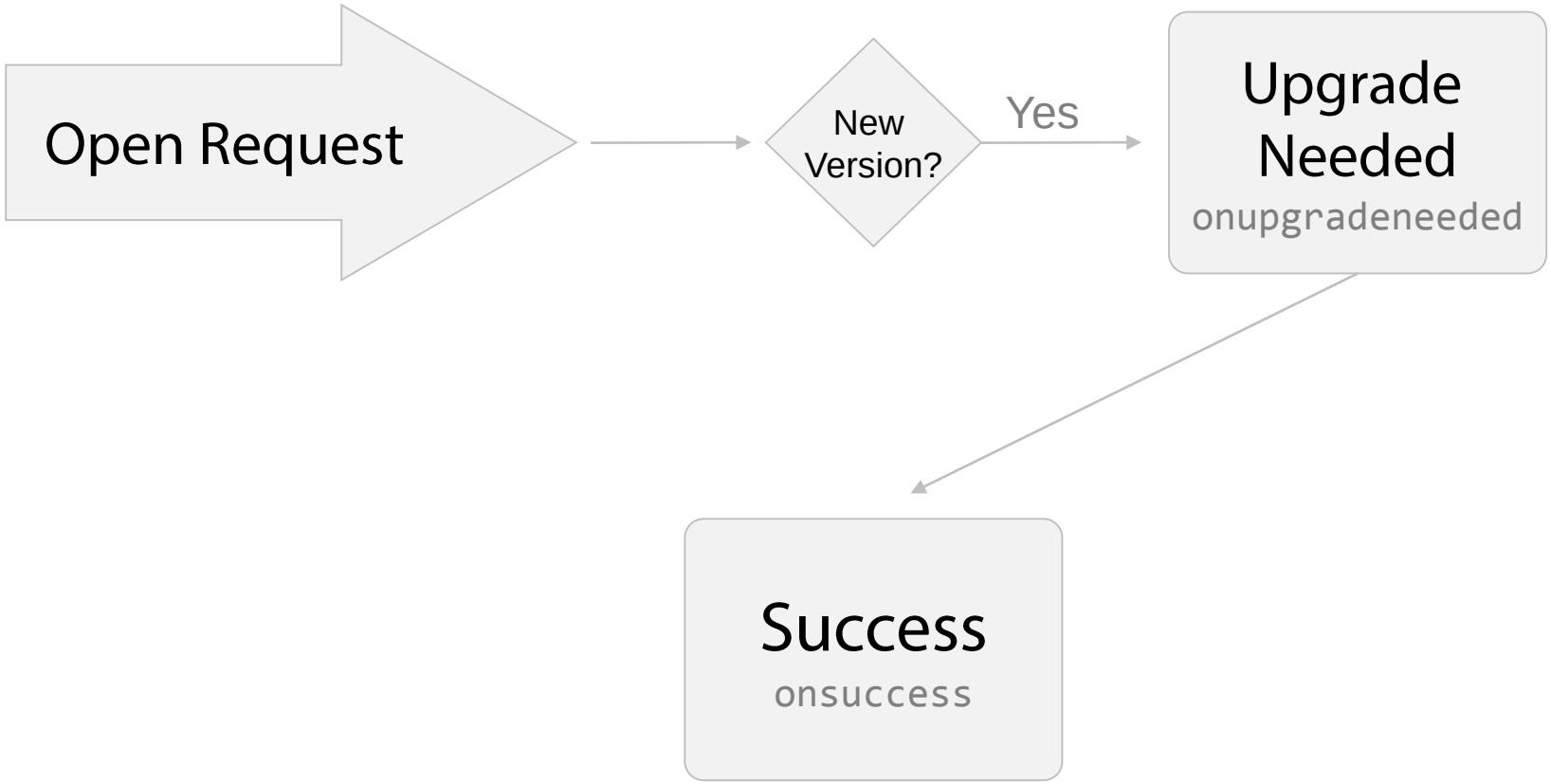
Sandboxed

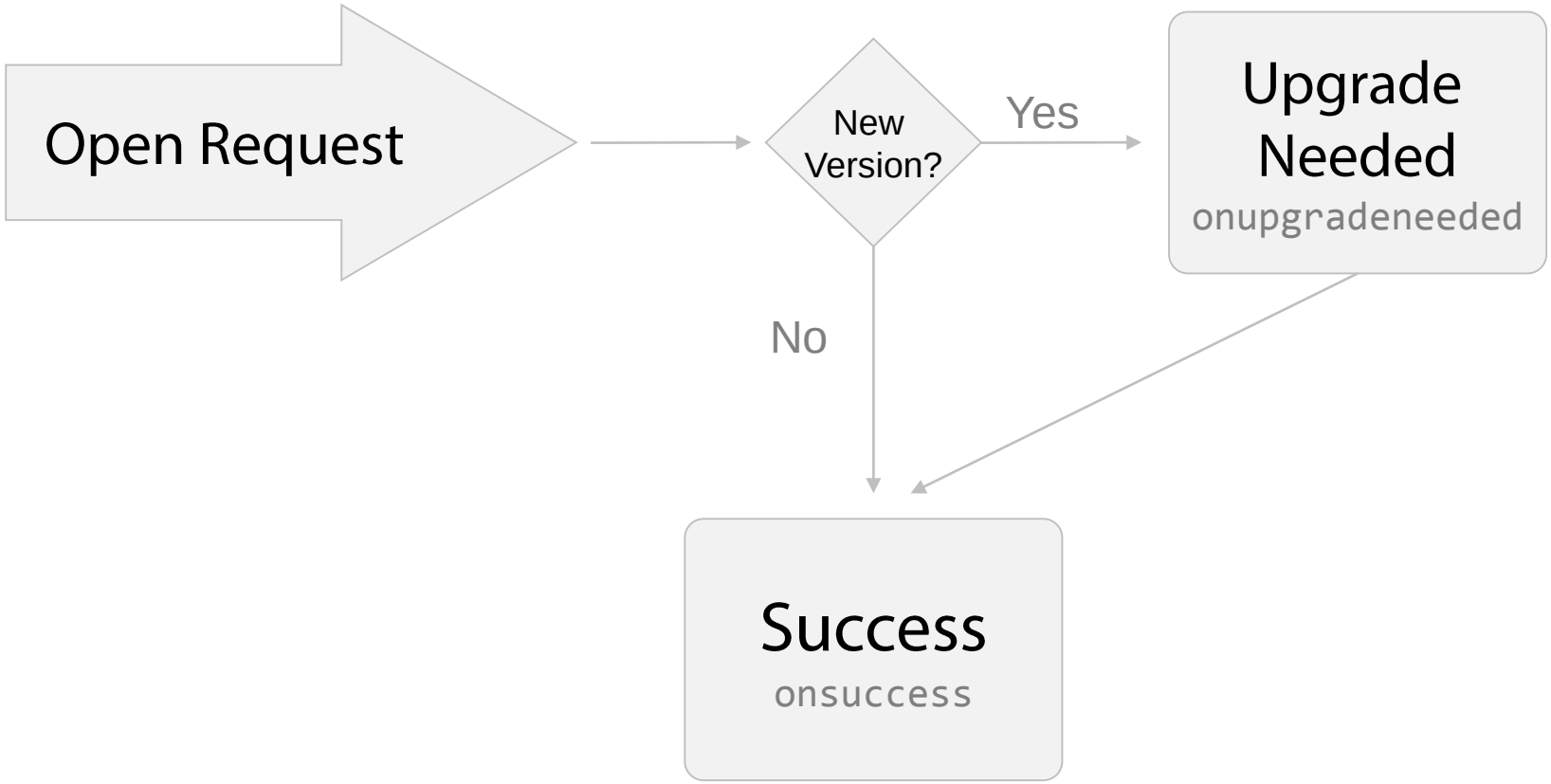
Versioned

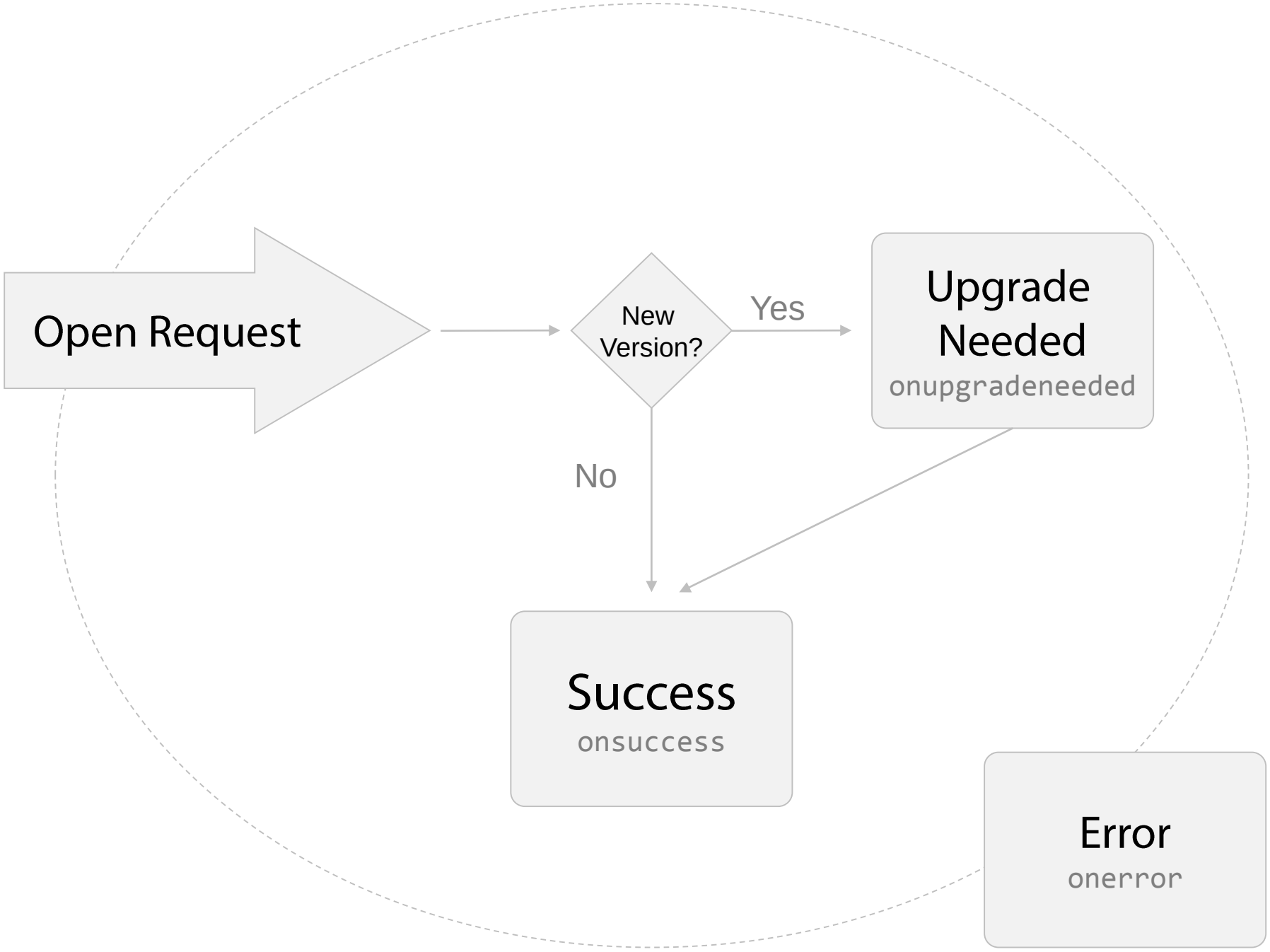
Open Request


Open Request
New
Version?


Open Request
New Version?
Yes
Upgrade Needed
onupgradeneeded


Open Request
New Version?
Yes
Upgrade Needed
onupgradeneeded
Success
onsuccess


Open Request
New Version?
Yes
No
Upgrade Needed
onupgradeneeded
Success
onsuccess


Open Request
New Version?
Yes
No
Upgrade Needed
onupgradeneeded
Success
onsuccess
Error
onerror

Demo

Implementing local service

Demo

Implementing remote service

Demo | Walk through running code

Summary

Summary

Summary

Implement Persistence Strategies

Persistence Service Interface

Summary

Implement Persistence Strategies

Persistence Service Interface

Remote Persistence Strategy

Summary

Implement Persistence Strategies

Persistence Service Interface

Remote Persistence Strategy

Local Persistence Strategy

Up Next

Using IndexedDB