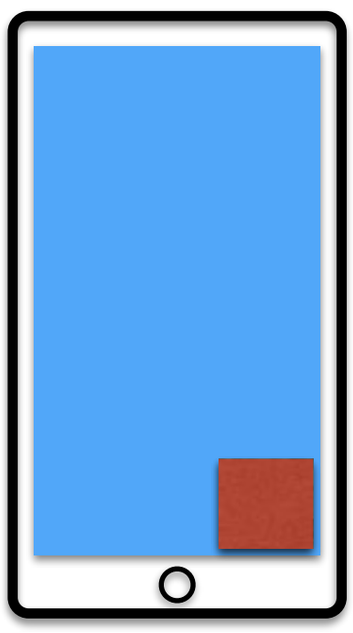
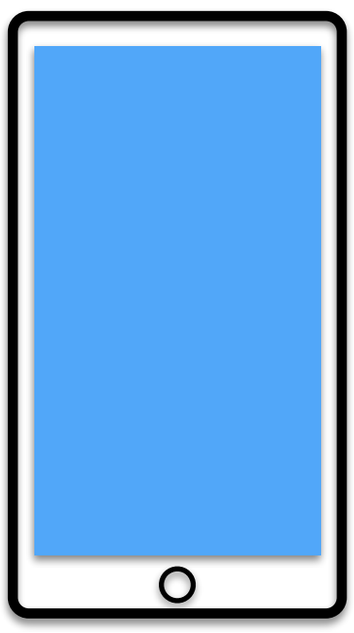
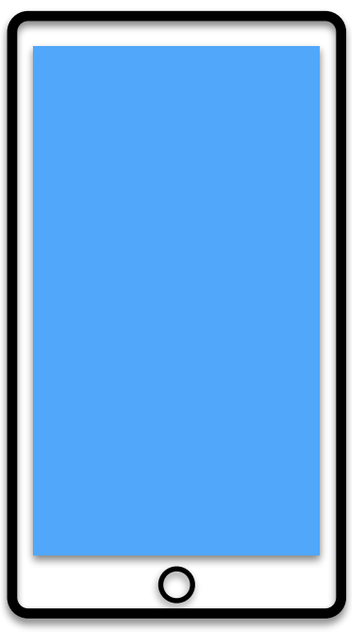
iCloud

Key-Value Storage, iCloud Documents

Synchronization

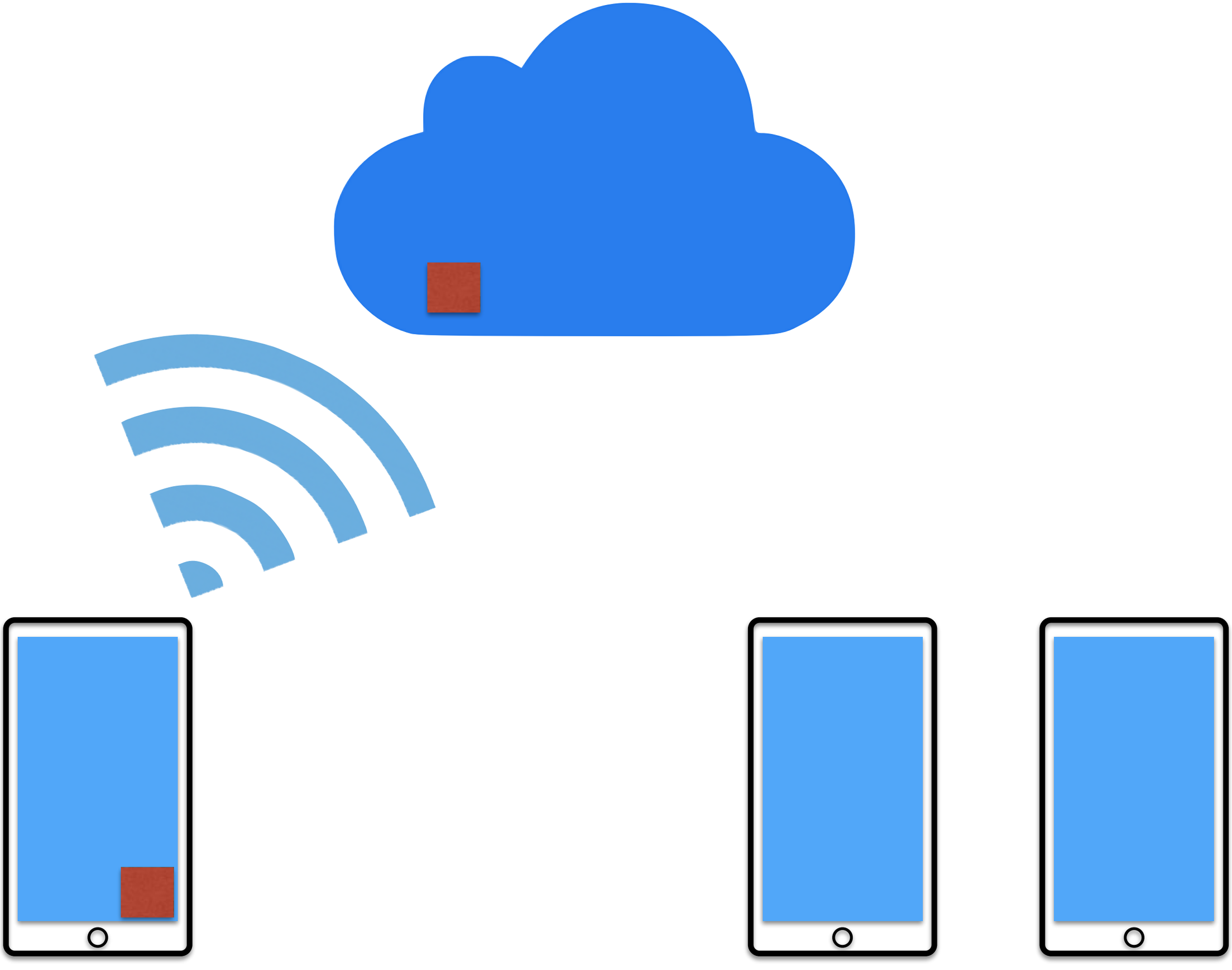


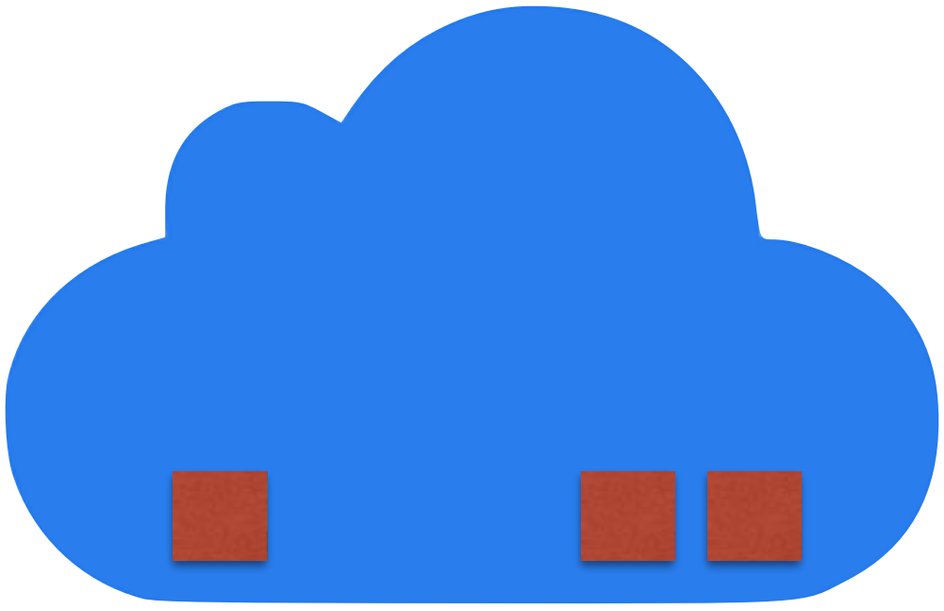


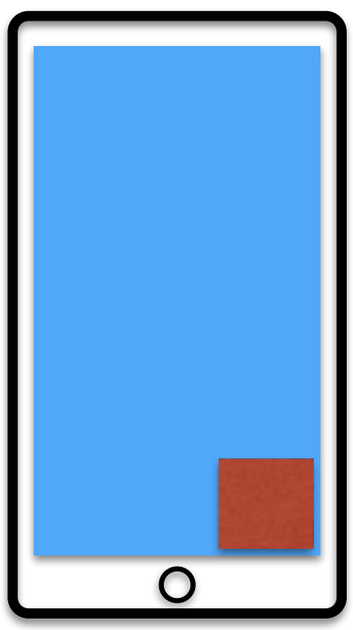


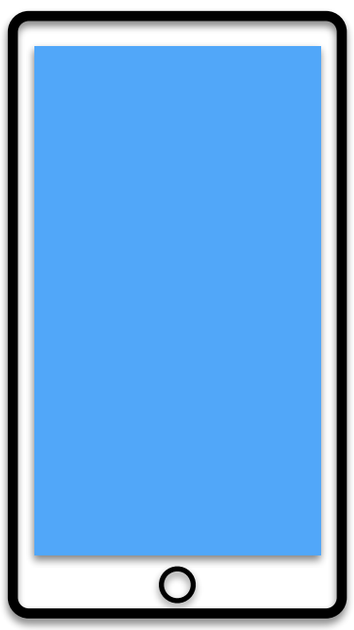
Changing the data

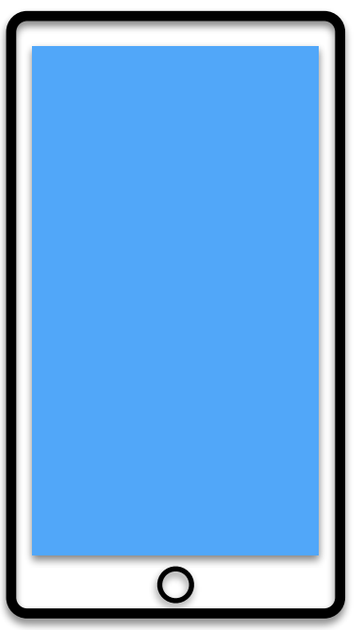
Changing the data

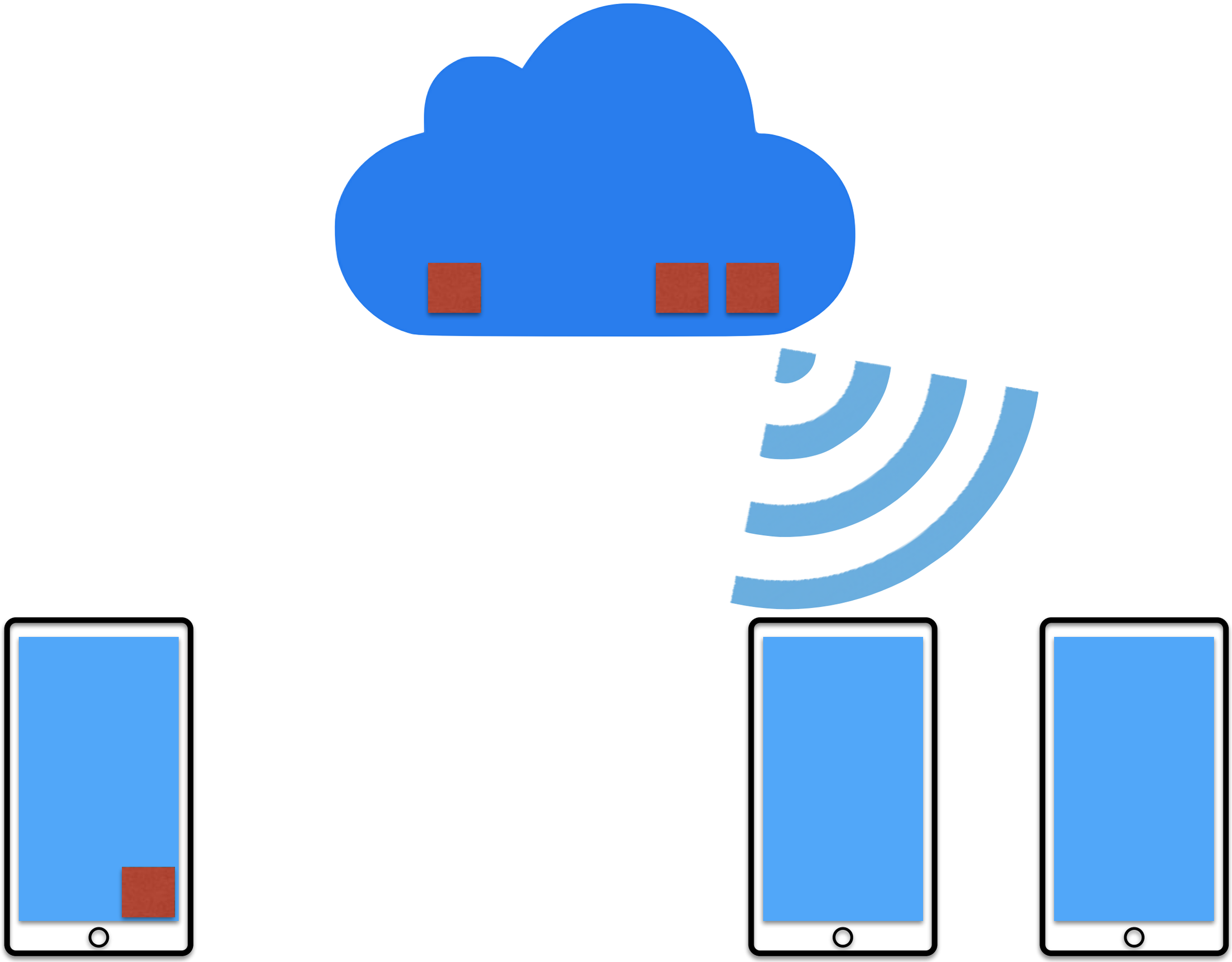


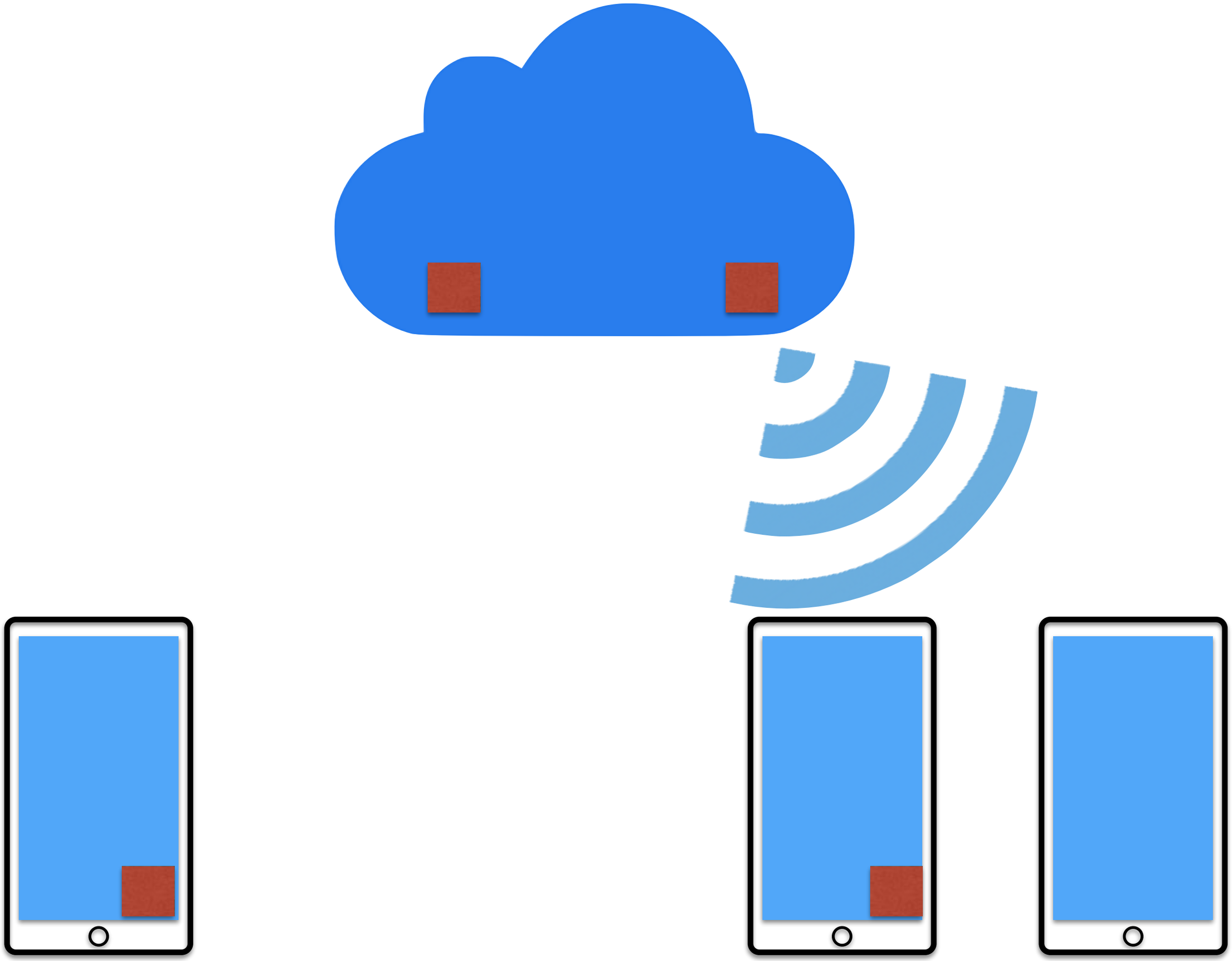


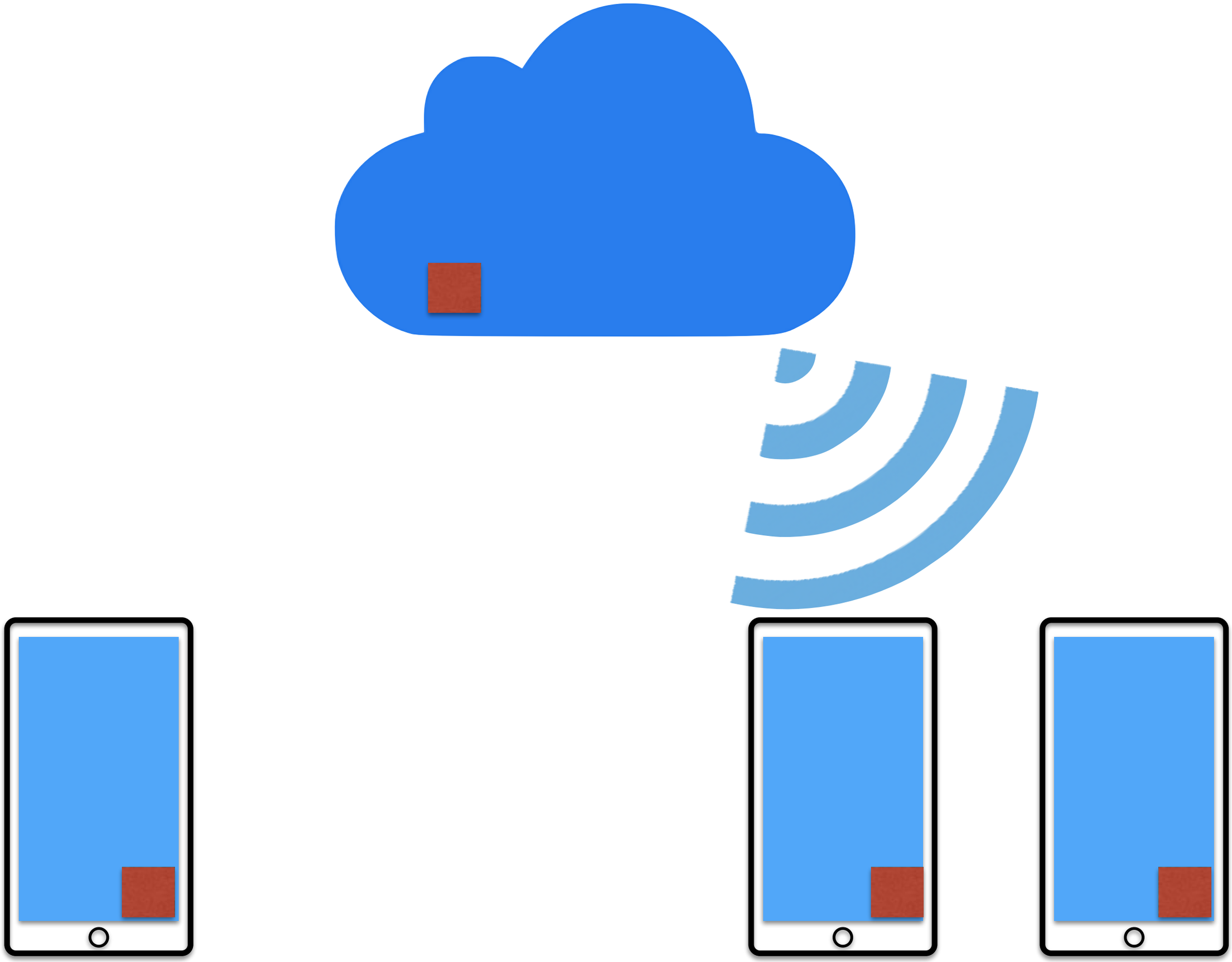


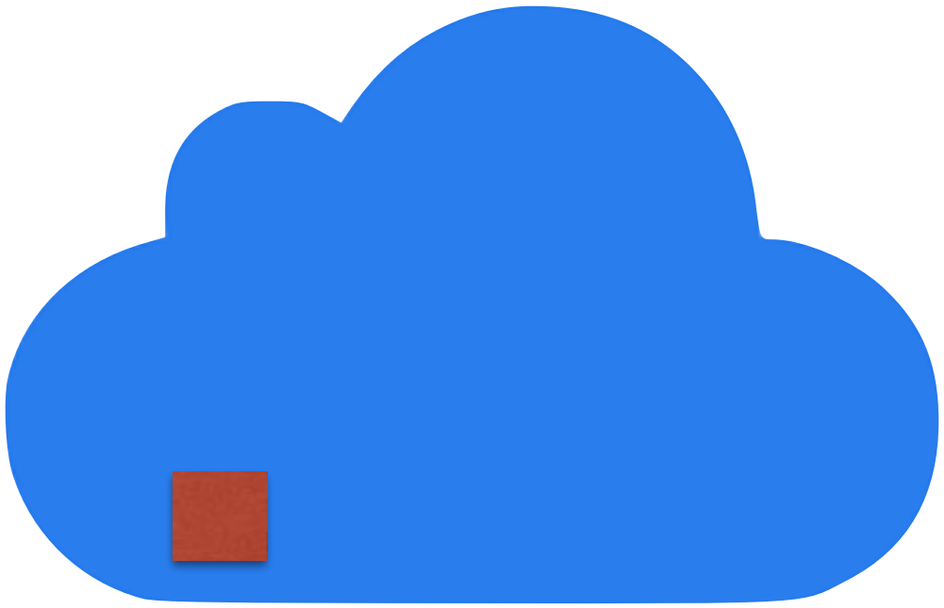


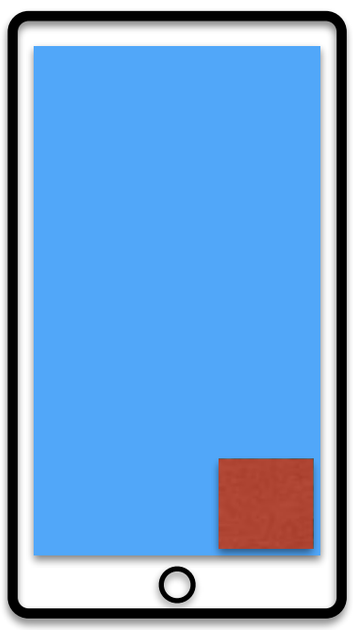


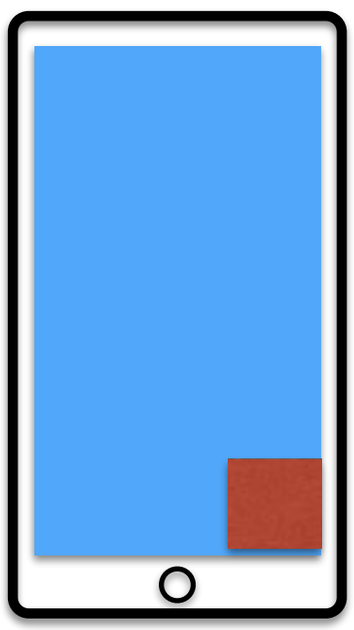


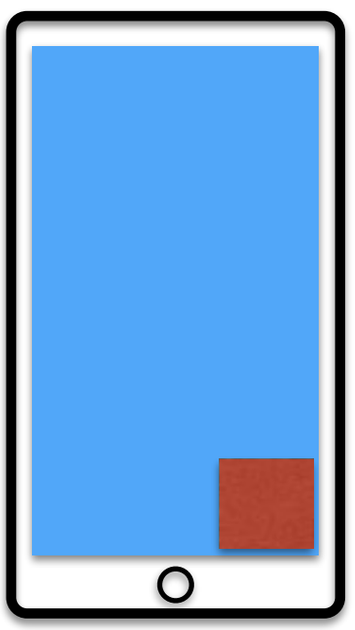












NSUbiquitousKeyValueStore

- SUserDefaults in the Cloud
- Storage is very small
- Notification for changes
- singleton - defaultStore()

Read from Store

- String, Numbers, Data
- Array, Dictionary composed from above
- stringForKey, dataForKey, objectForKey

Write to Store

- setString, setData, setBool, …

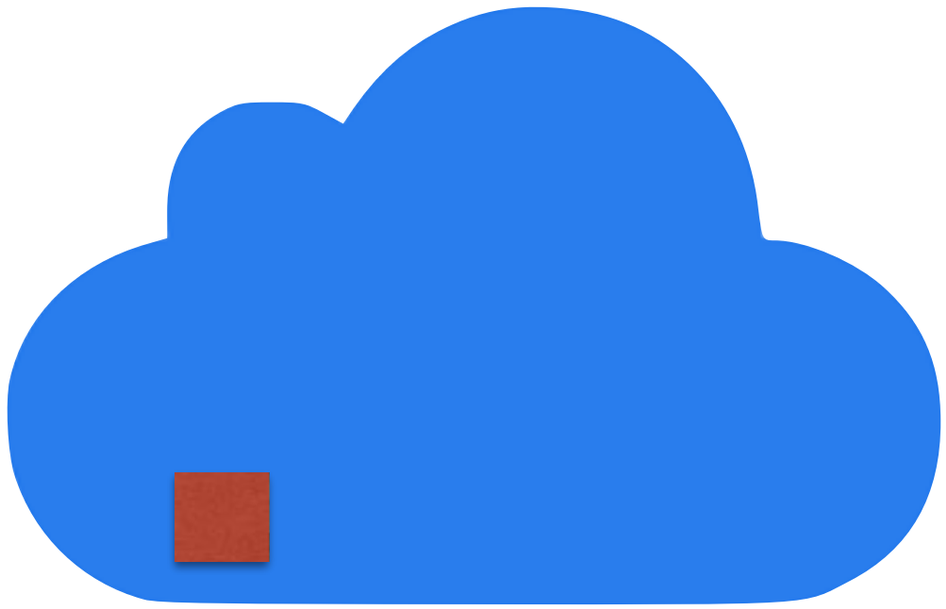
- synchronize()

Notification

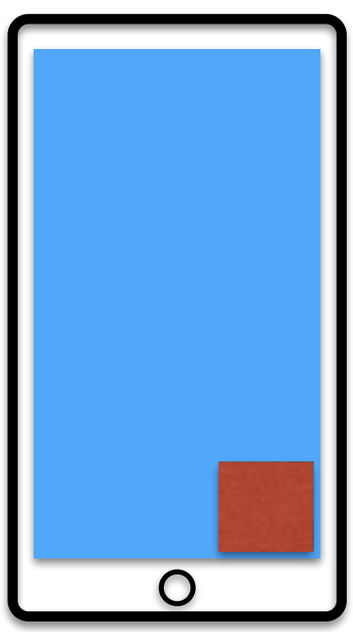
- NSUbiquitousKeyValueStoreDidChangeExternallyNotification
- NSUbiquitousKeyValueStoreQuotaViolationChange
- NSUbiquitousKeyValueStoreAccountChange

Files

iCloud Documents



Synchronization without internet



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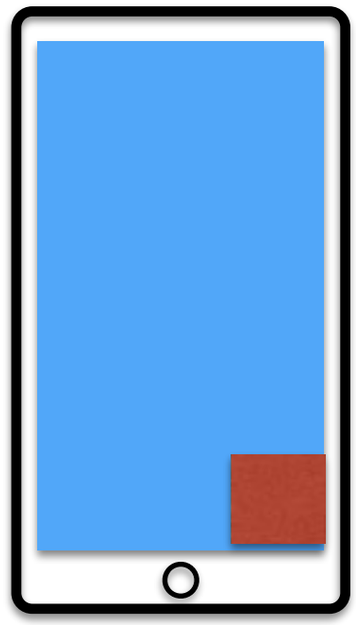

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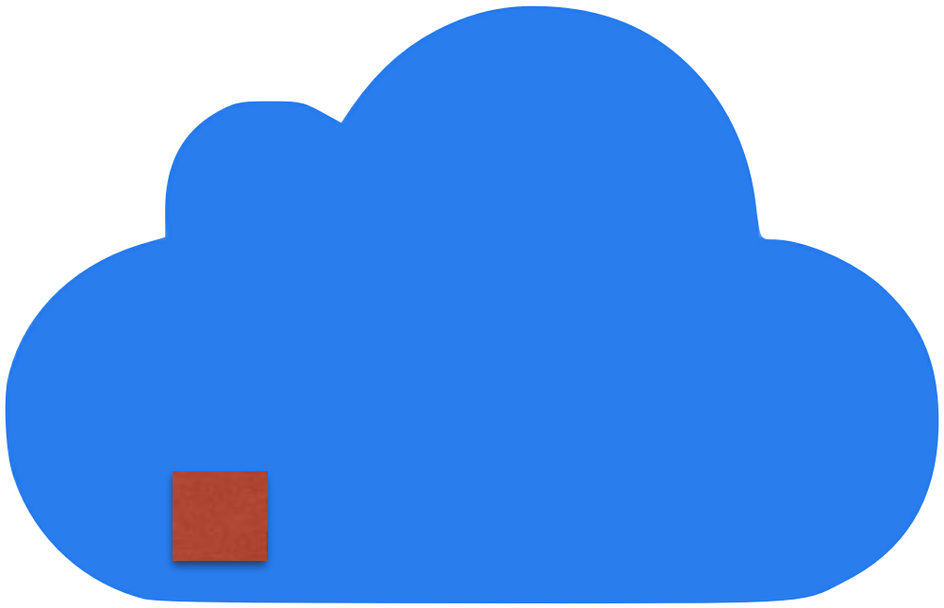

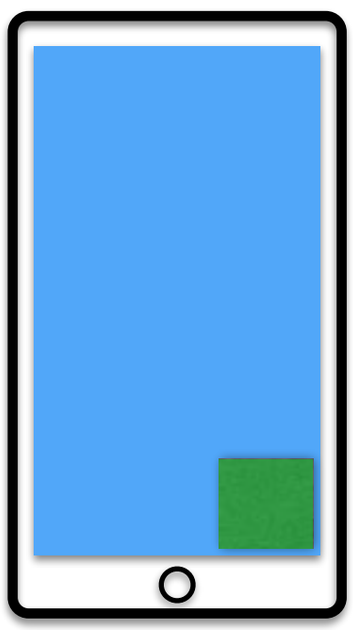

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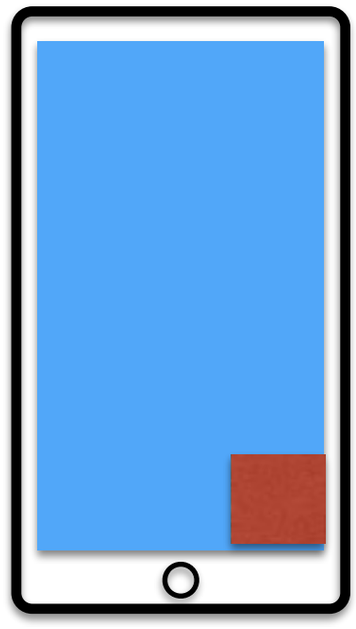

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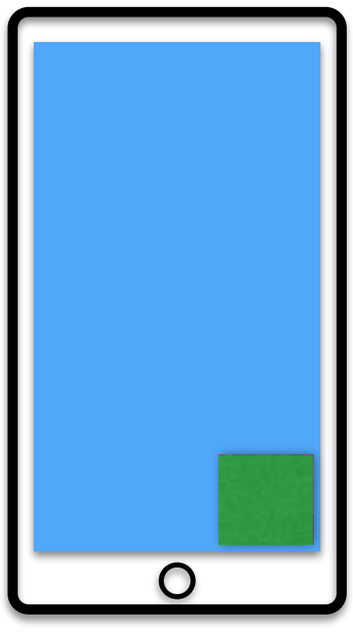

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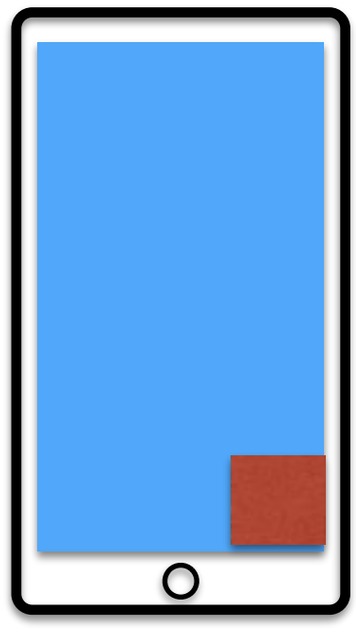

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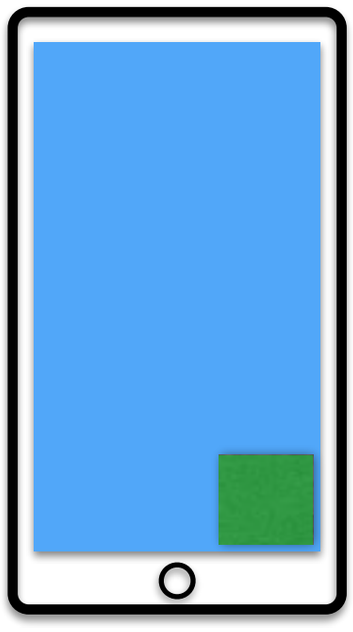

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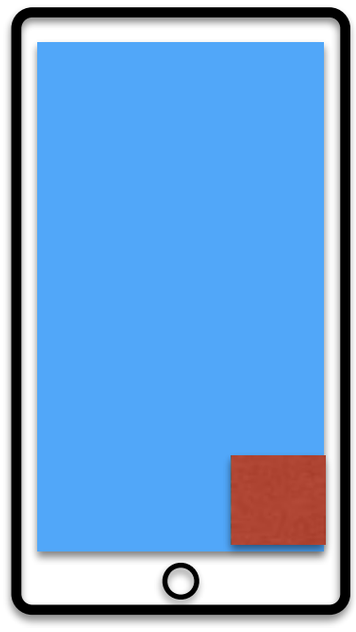

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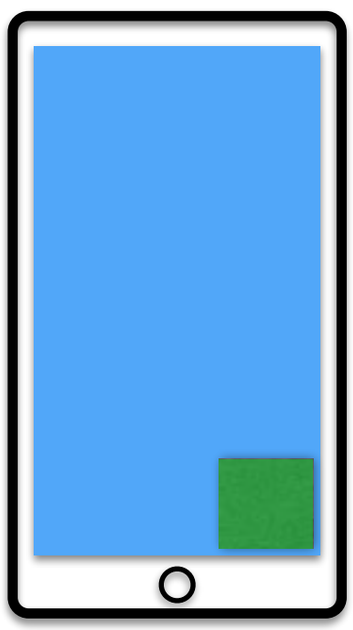

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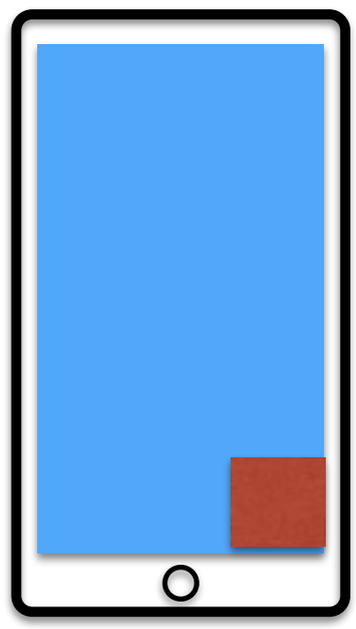

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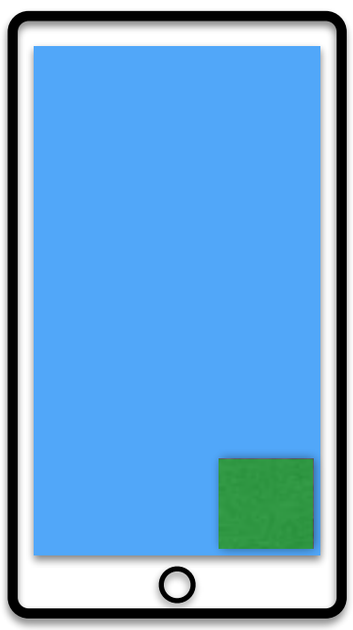

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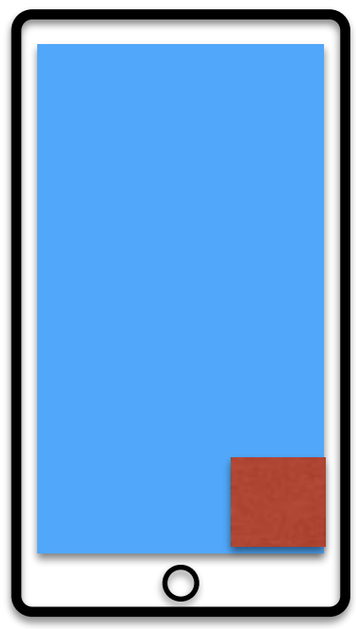

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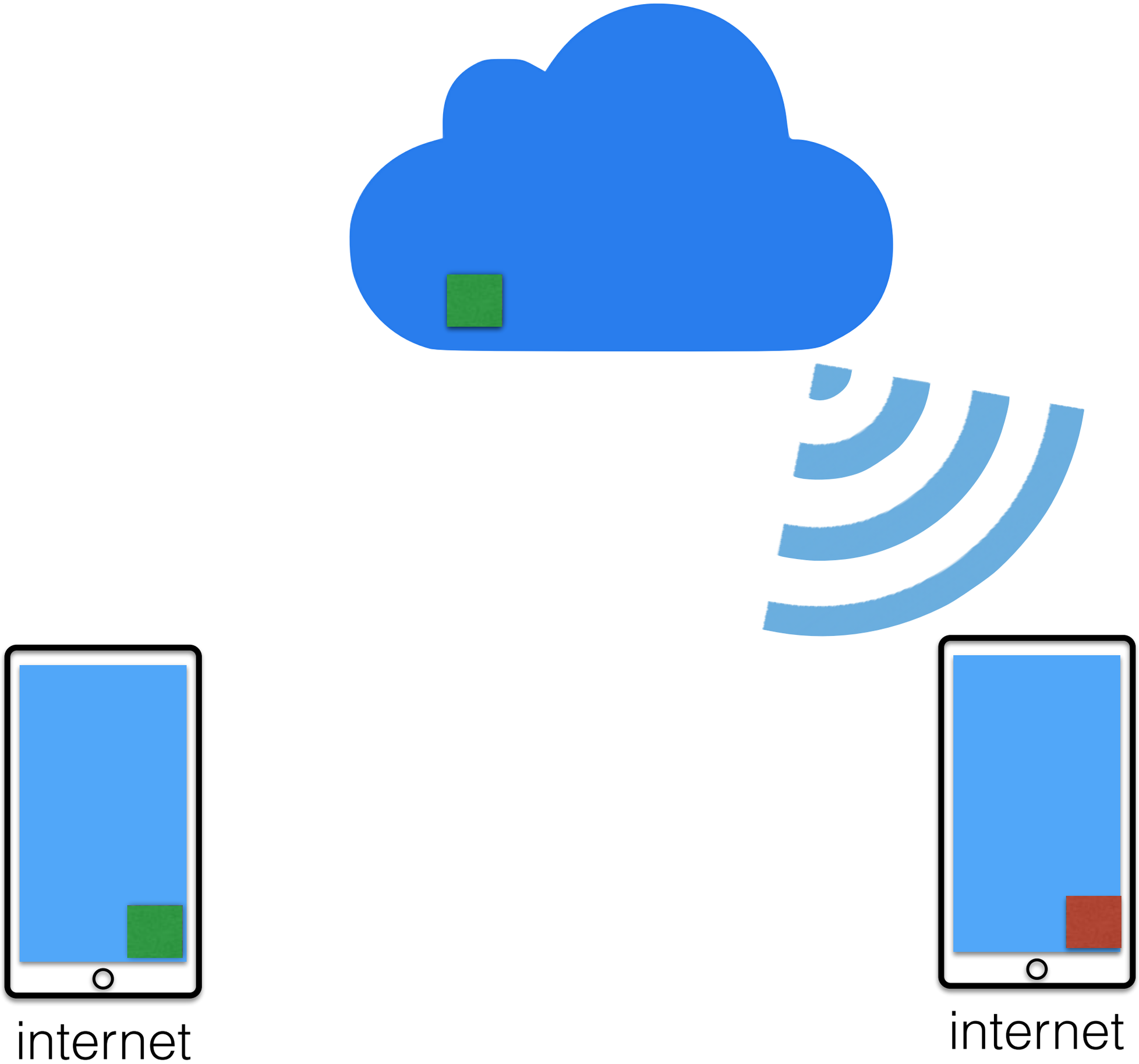
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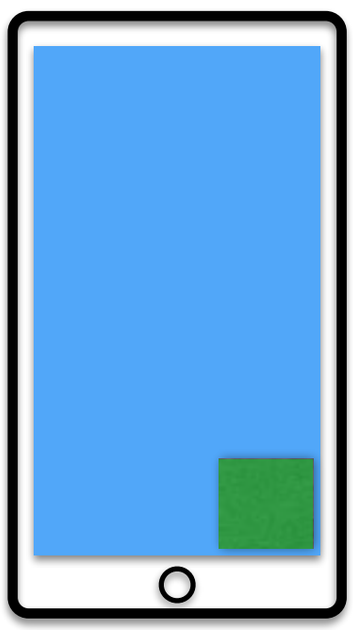

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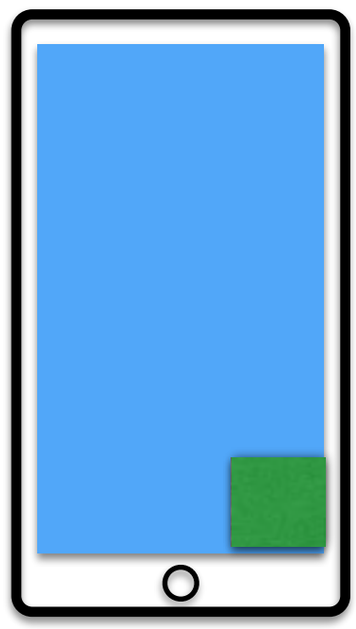

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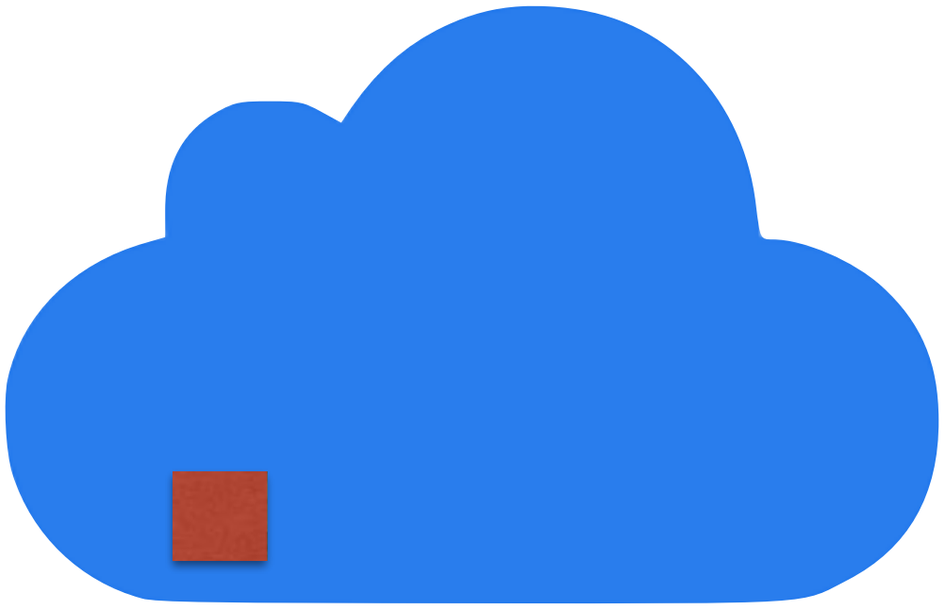
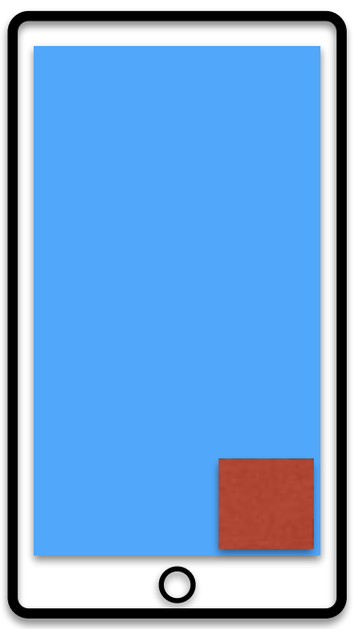


Conflicts



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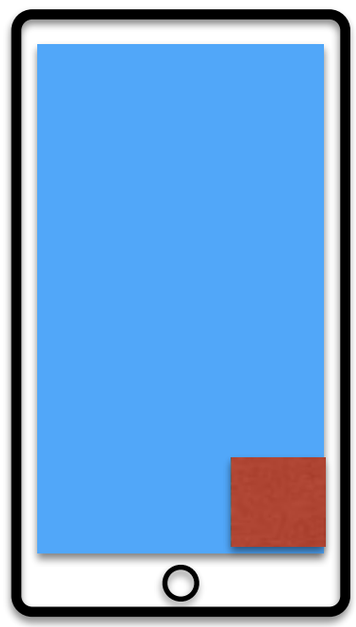

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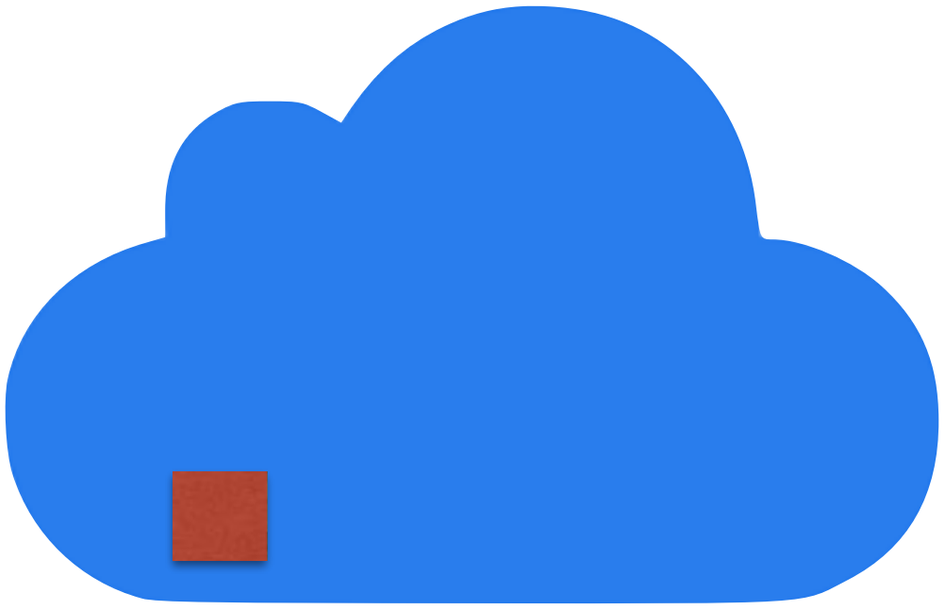

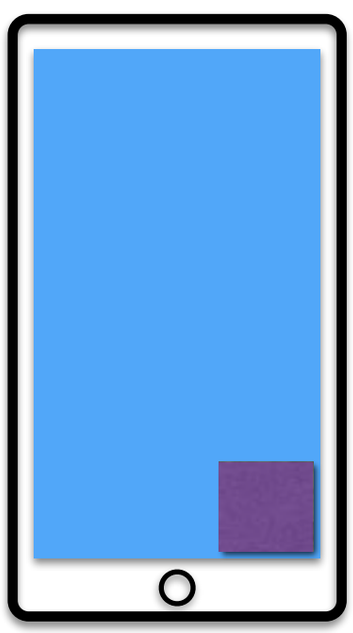

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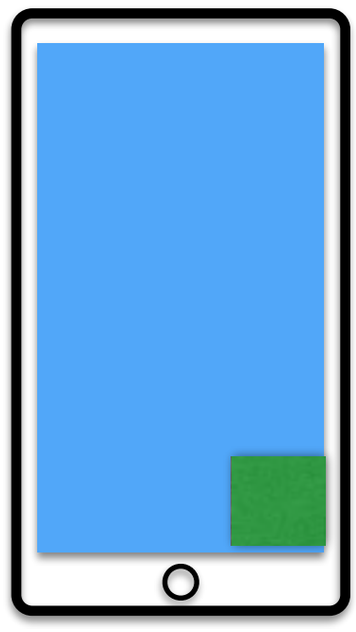

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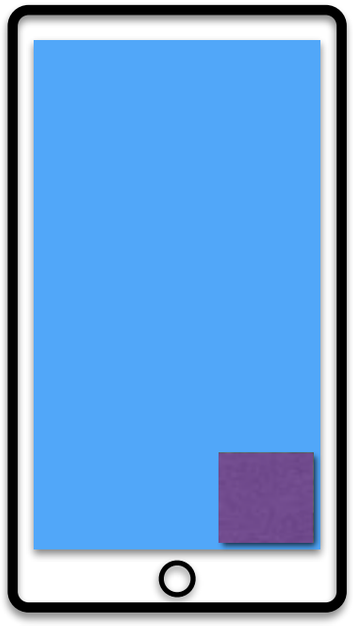

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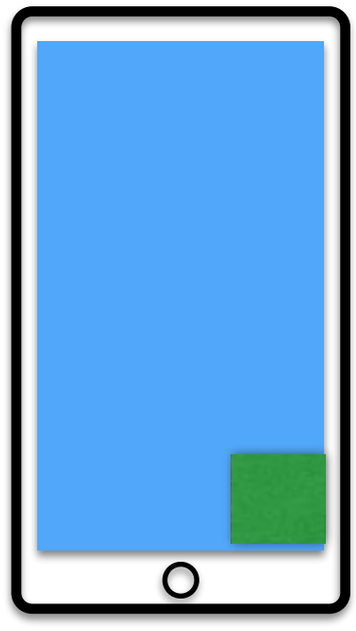

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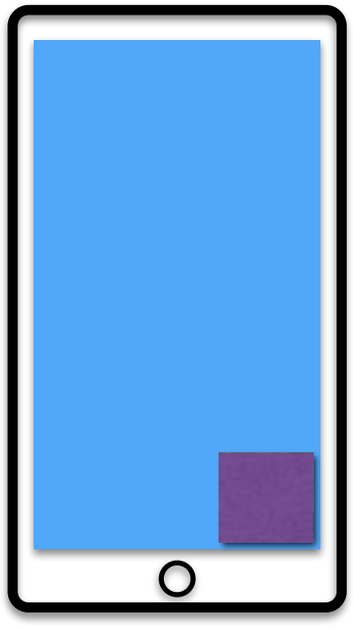

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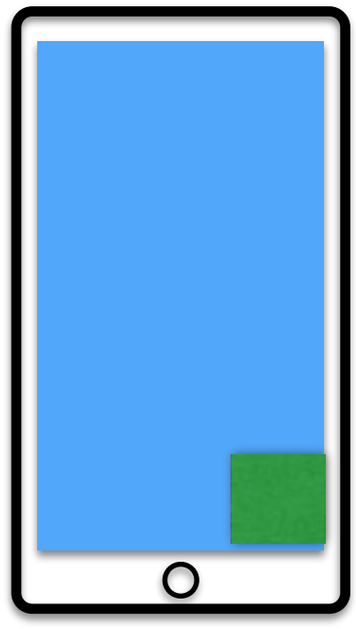

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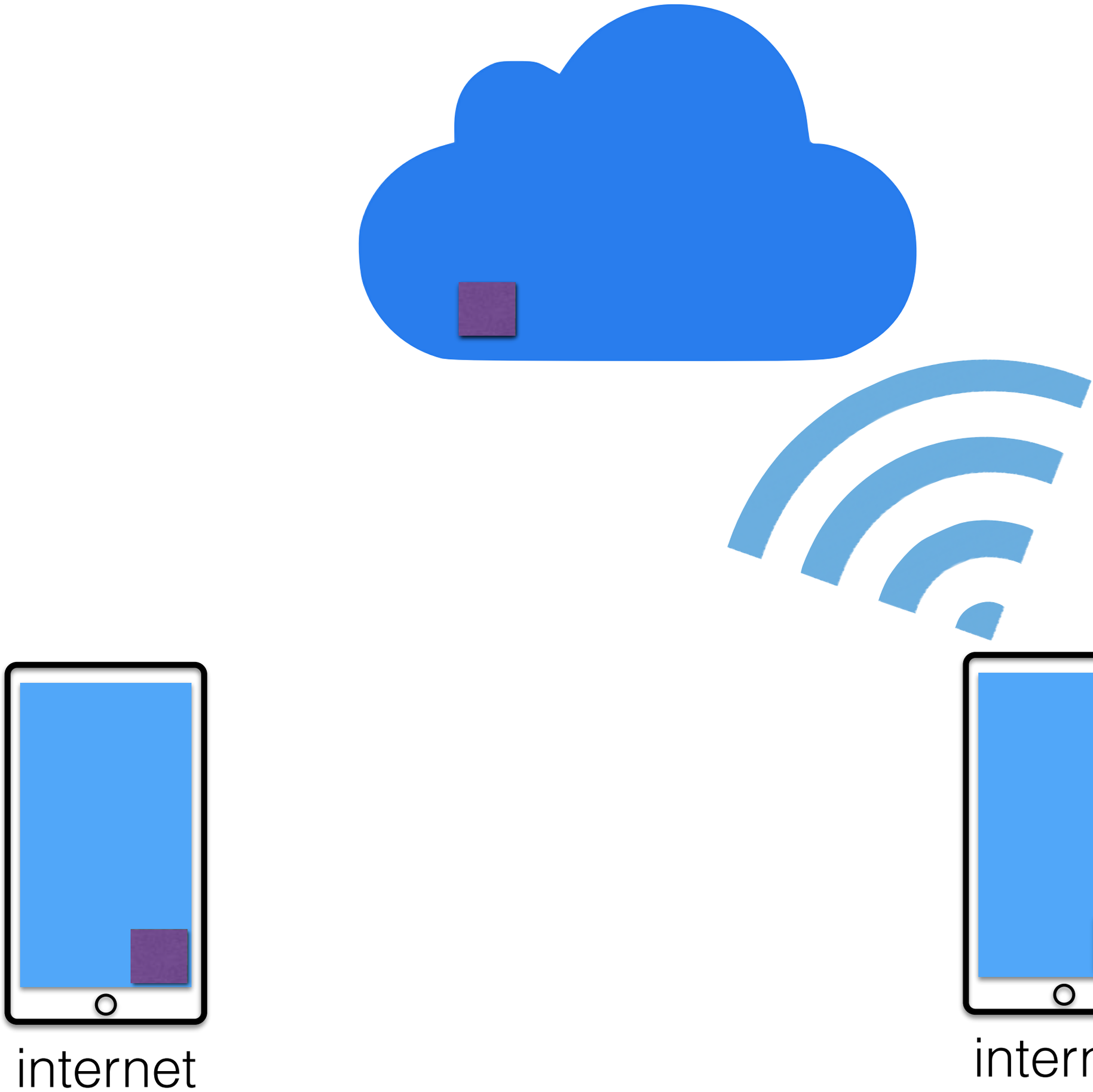
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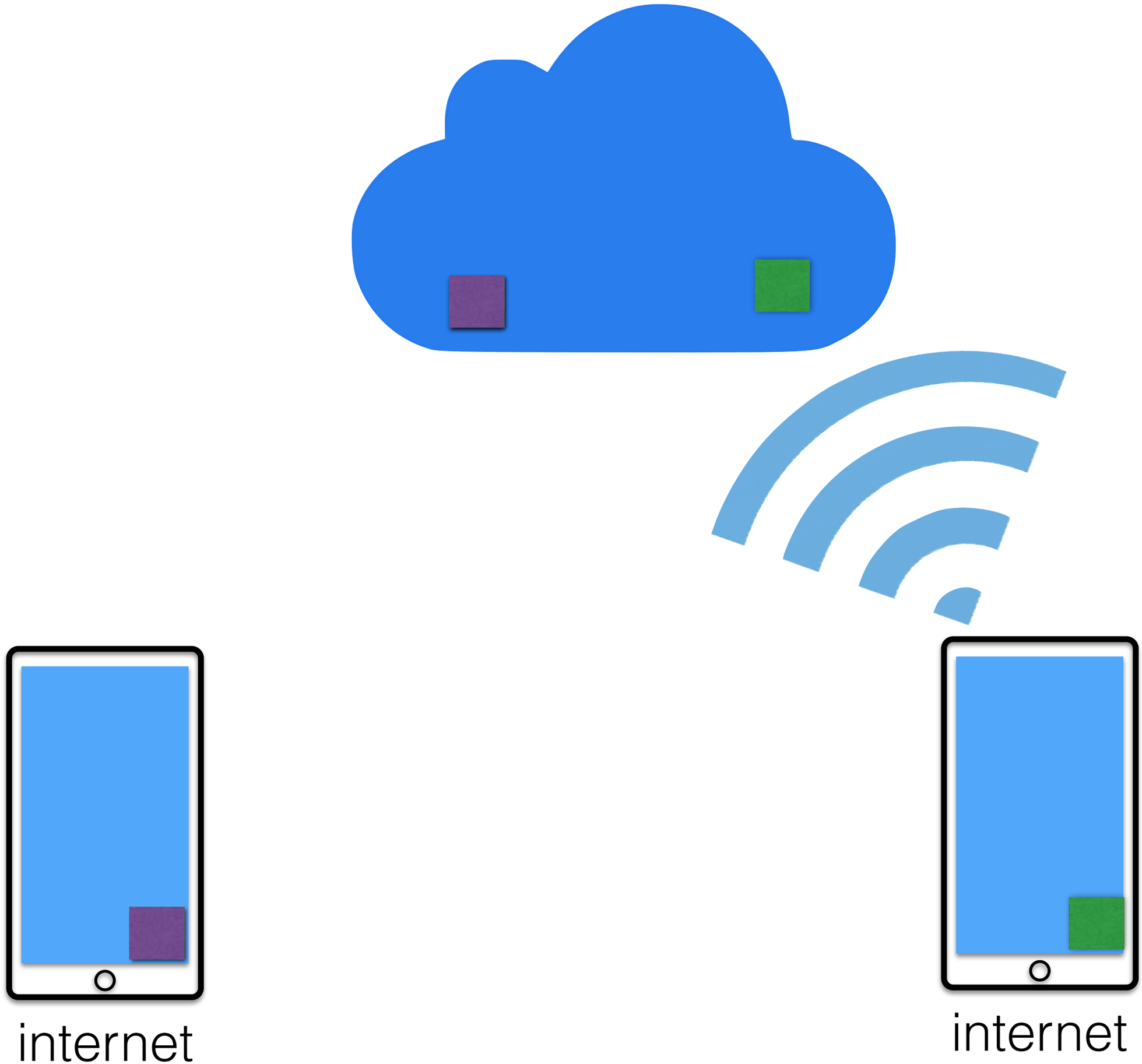
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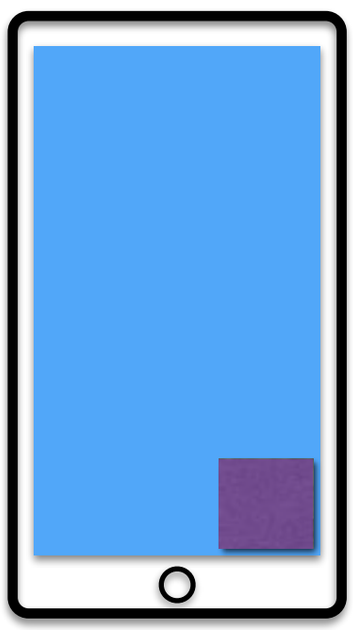

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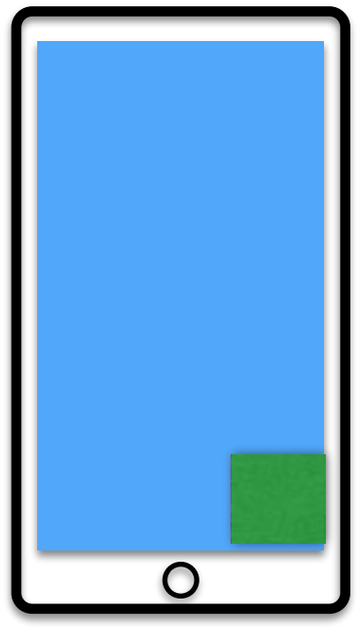

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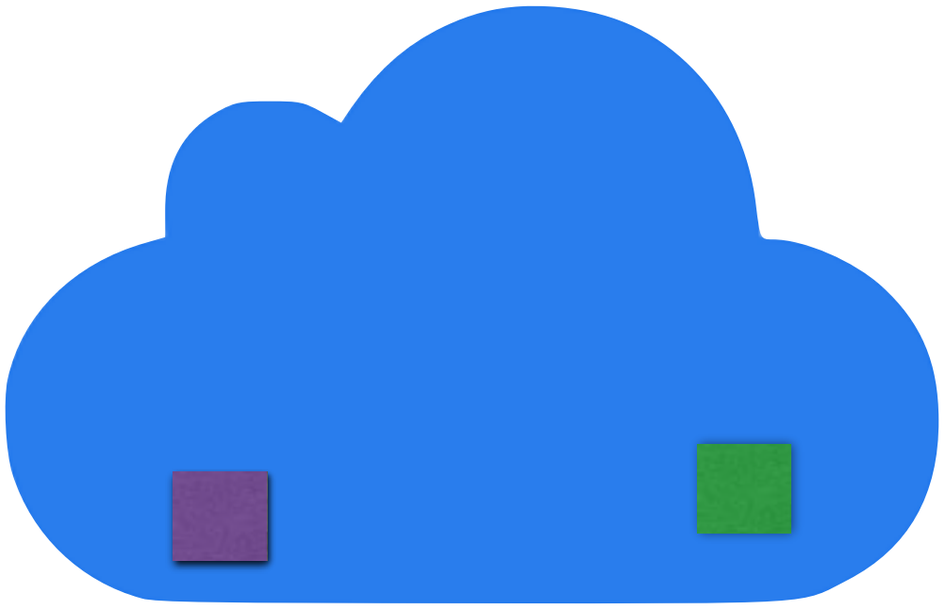
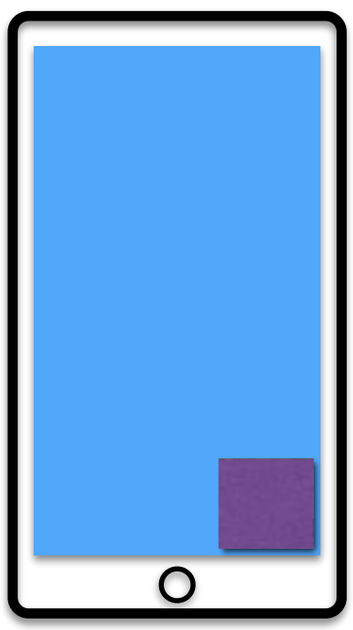
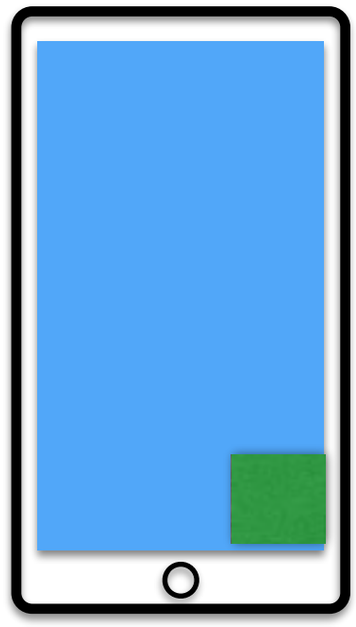




internet

Conflict!



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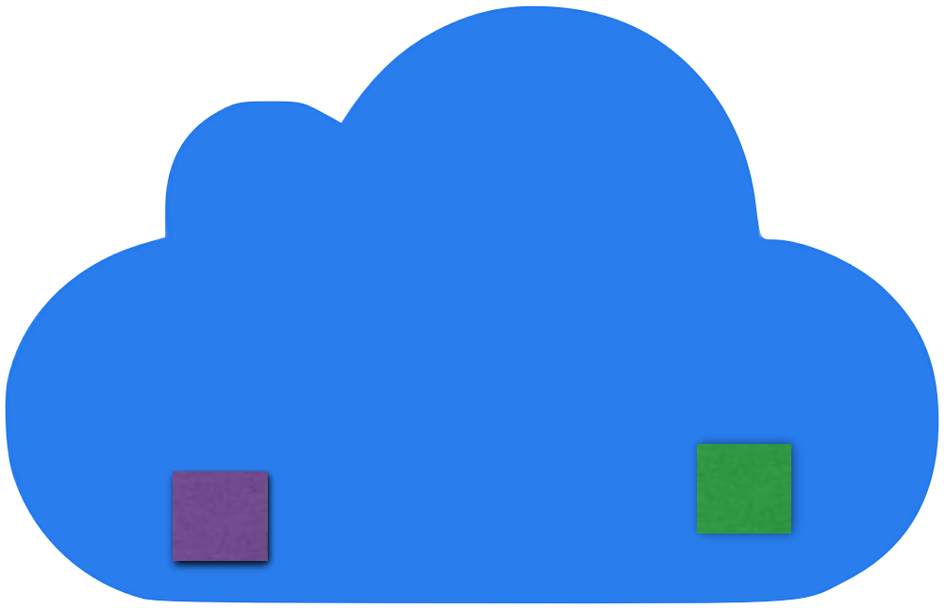

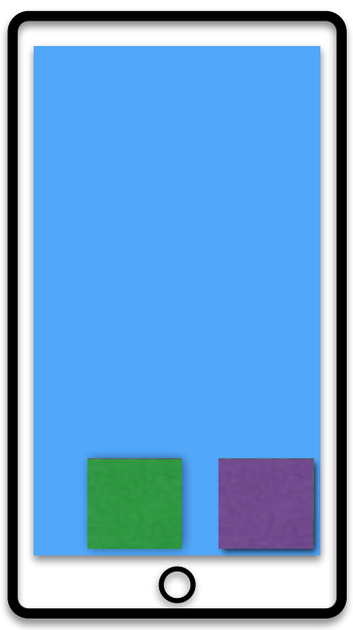

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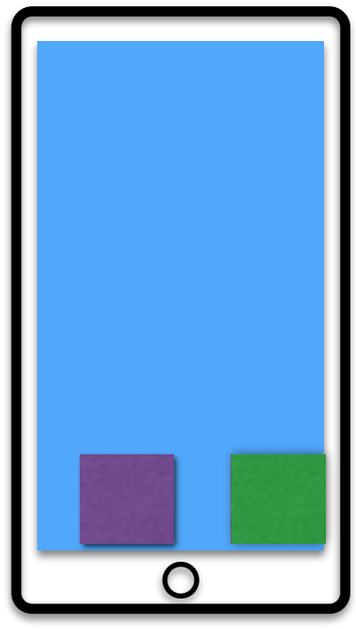
Conflict!



internet

NSFilePresenter

- Protocol
- File and a callbacks about changing it
- presentedItemURL: NSURL
- presentedItemOperationQueue: NSOperationQueue

FileCallbacks

- func presentedItemDidChange()
- func presentedItemDidGainVersion(version: NSFileVersion)
- func presentedItemDidLoseVersion(version: NSFileVersion)
- func presentedItemDidResolveConflictVersion(version: NSFileVersion)

NSFileCoordinator

- init(filePresenter: NSFilePresenter)
- NSFileCoordinator.addFilePresenter(…)
- NSFileCoordinator.removeFilePresenter(…)
- NSFileCoorinator.coordinateFor…