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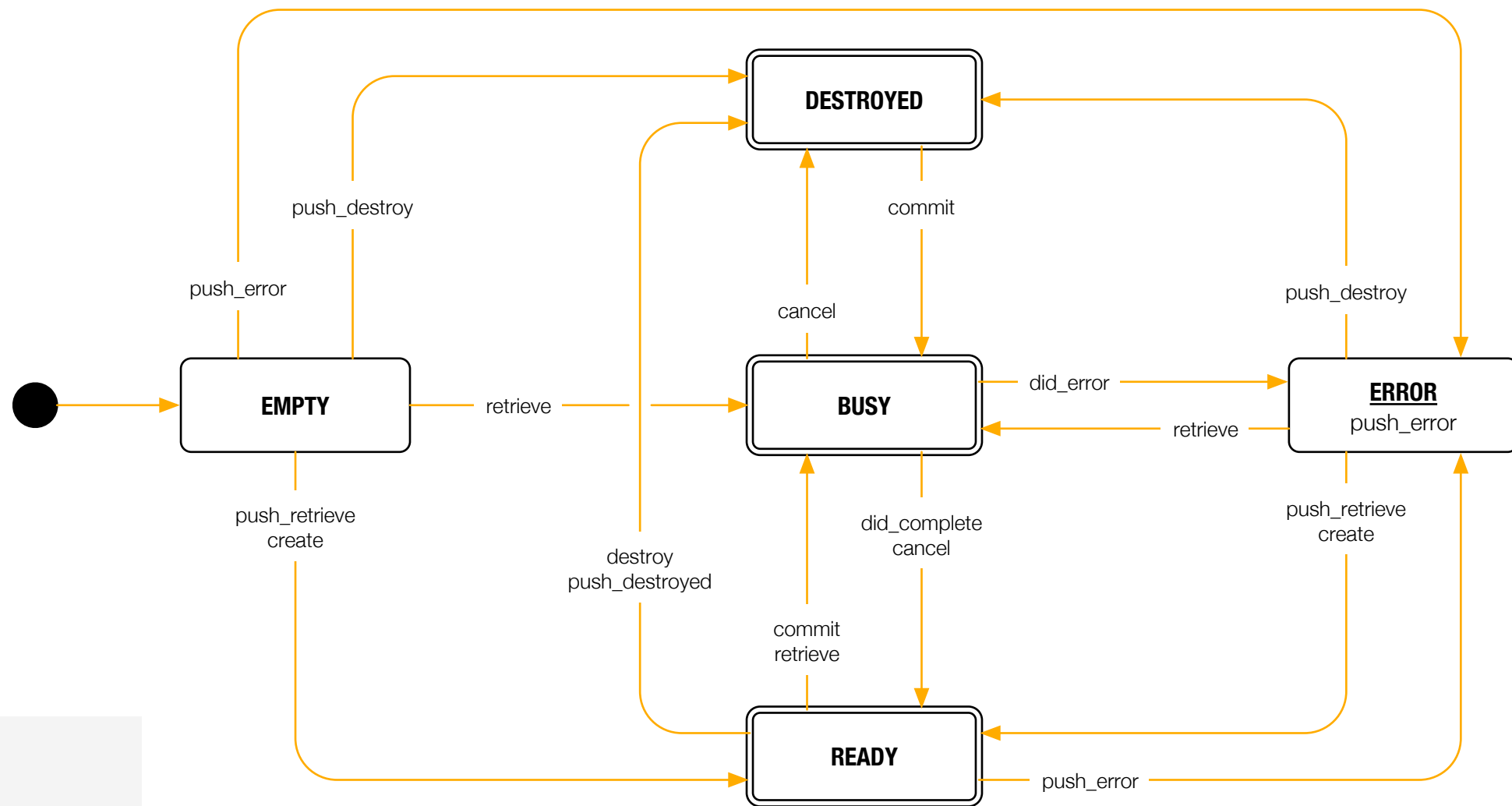
# SproutCore Datastore Design.graffle

August 13, 2009

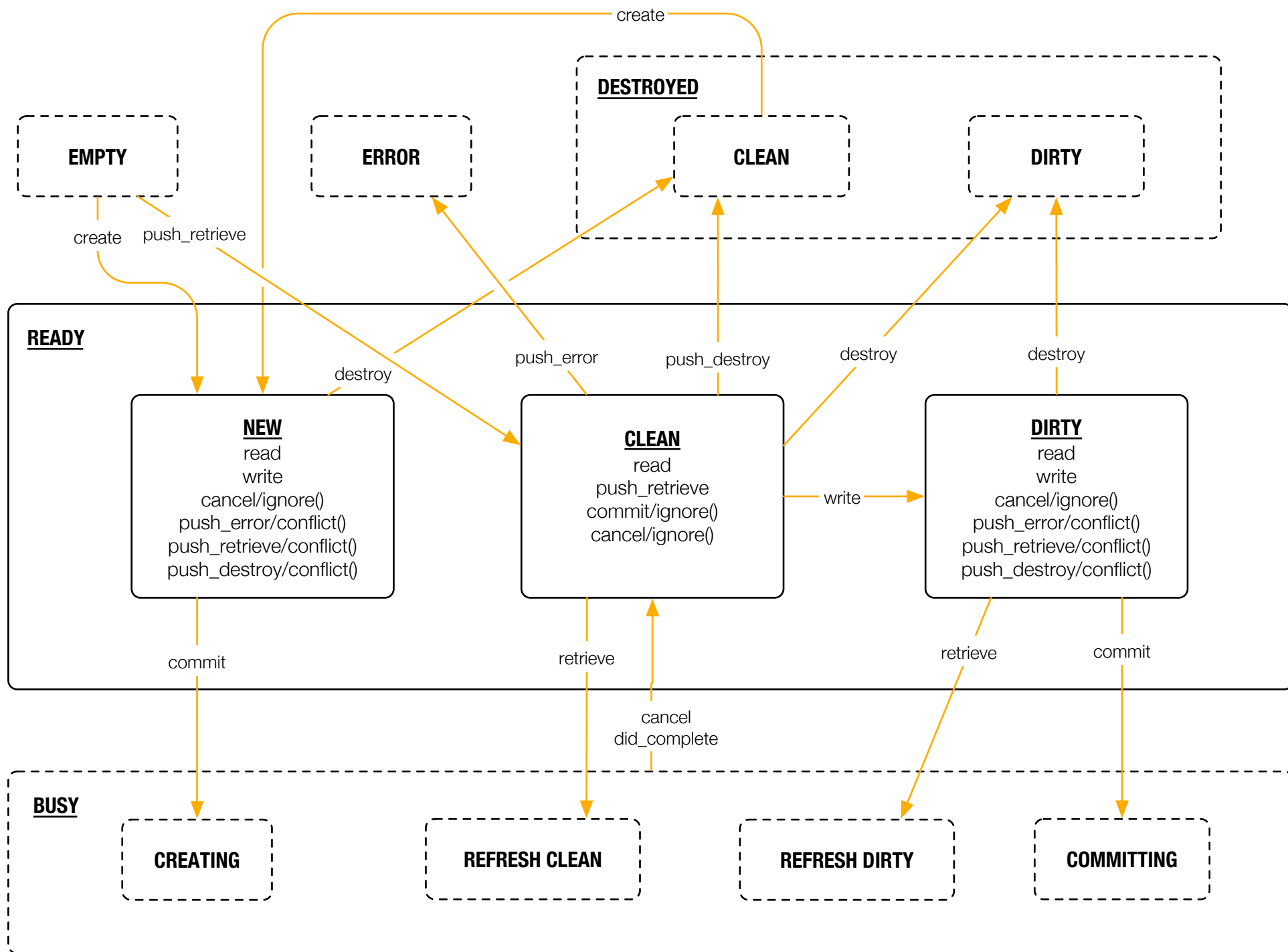
### Section Separator

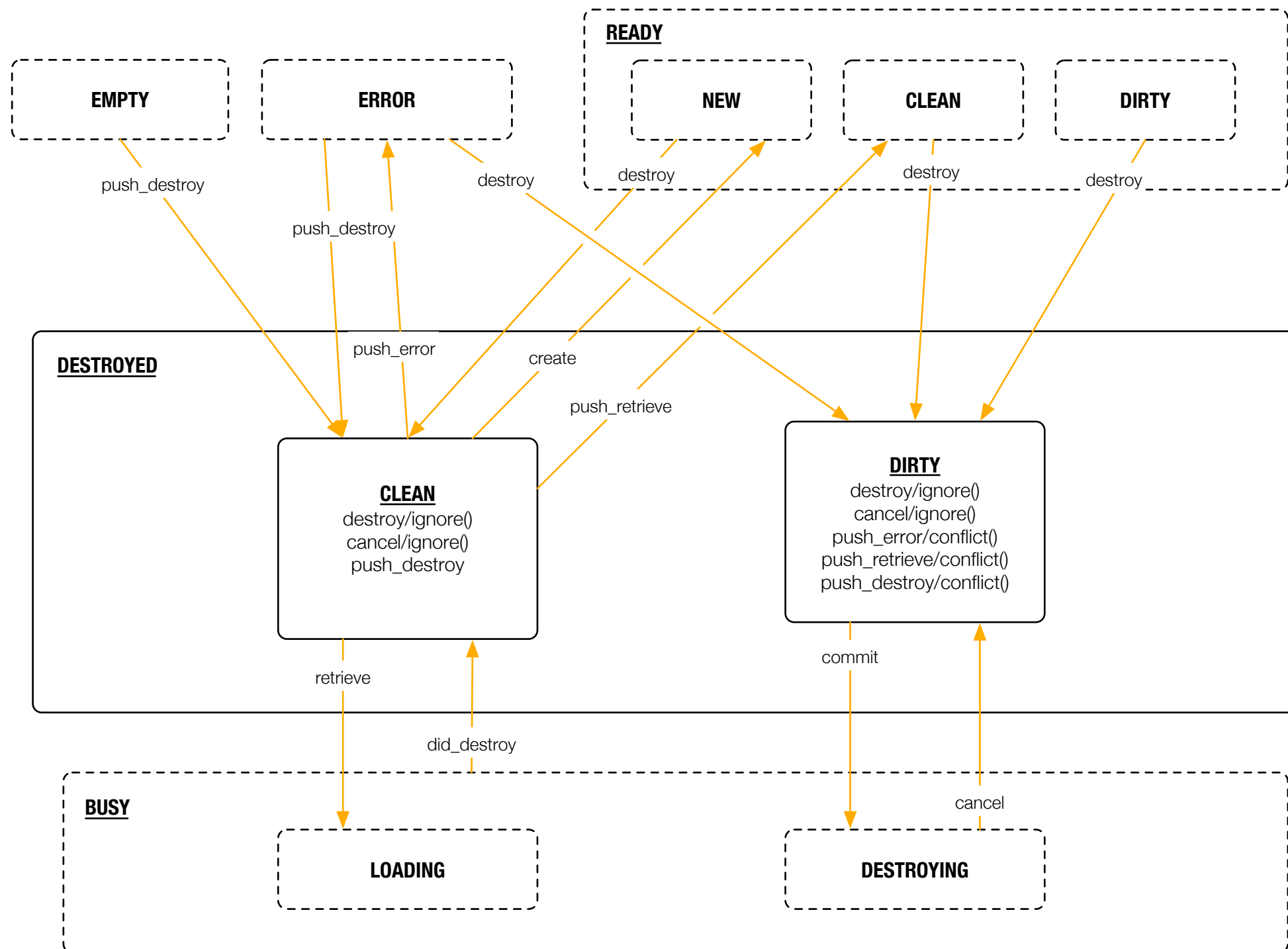
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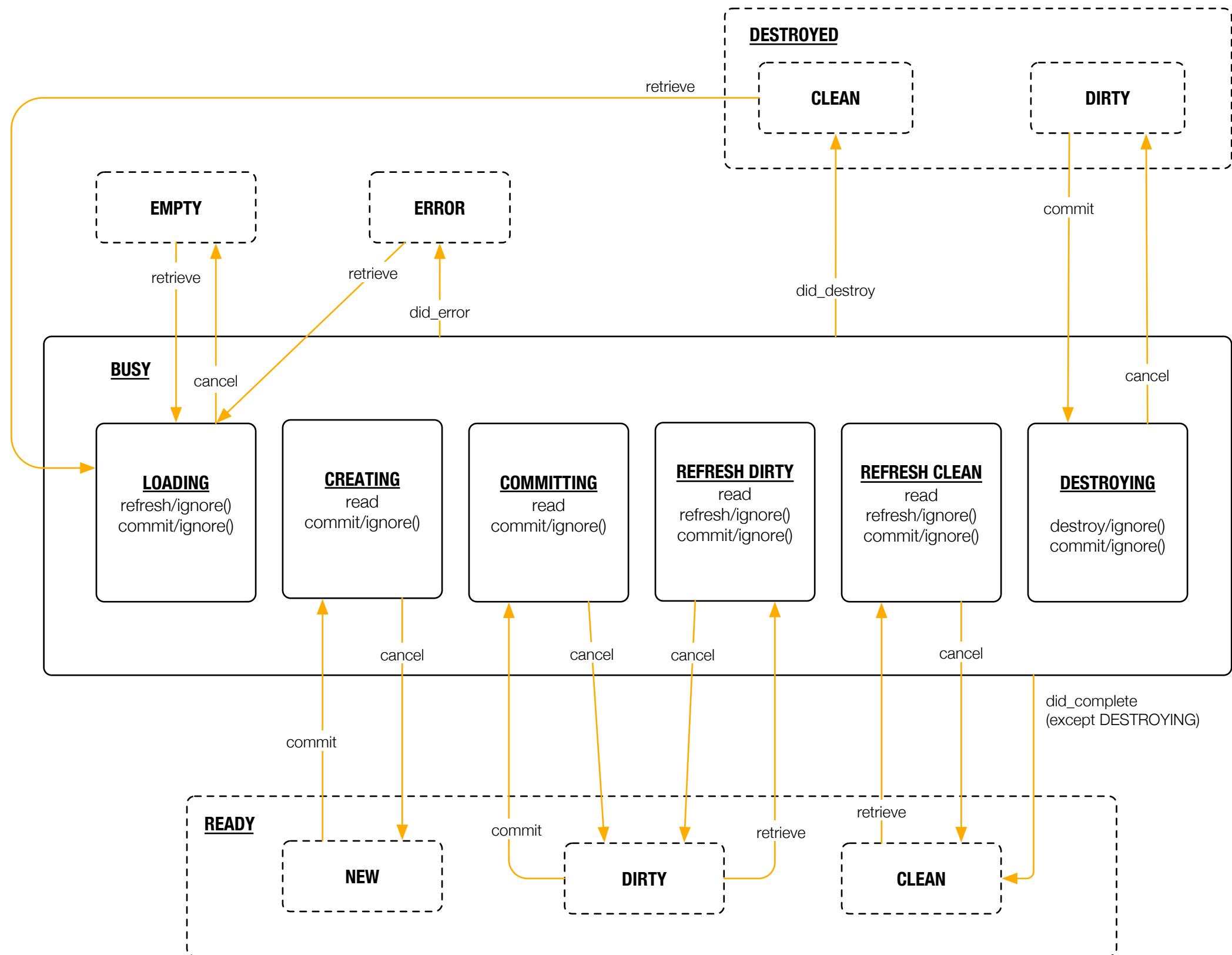
SC.Record States



- EVENT LIST**
- create
  - retrieve
  - commit
  - destroy
  - did\_complete
  - did\_error
  - push\_retrieve
  - push\_destroy
  - push\_error





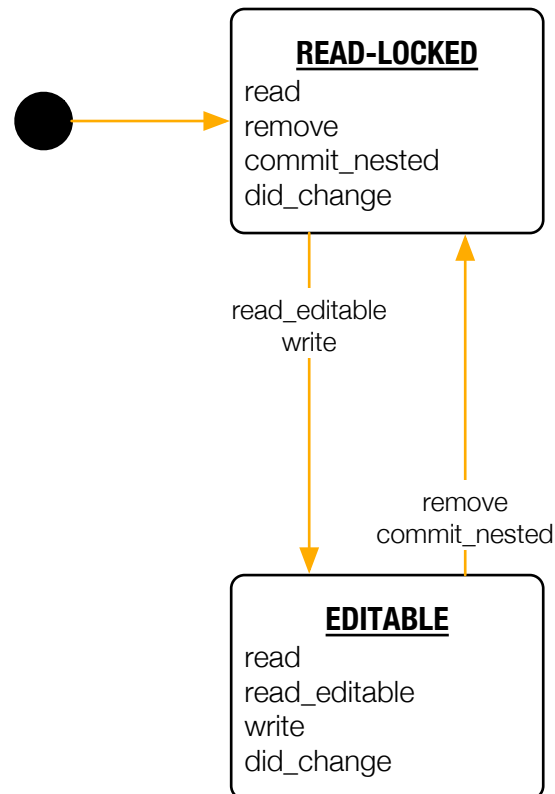


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Other States

## BASE STORE



### NOTES

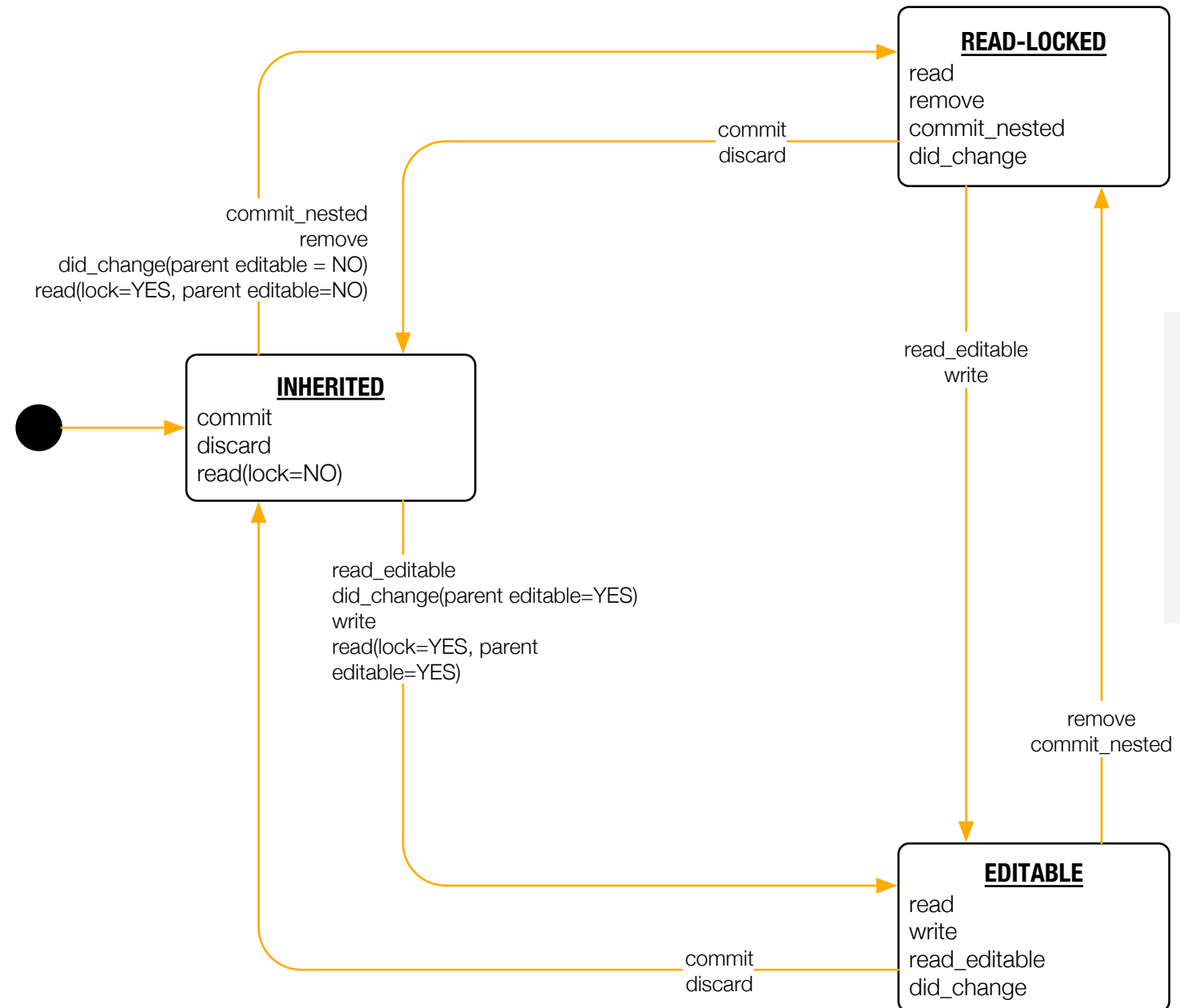
Data Hashes in INHERITED state will change whenever the hash in a parent store changes.

DataHashes in READ-LOCKED state have not been modified but have been locked so they do not change when the parent store changes.

DataHashes in EDITABLE state may have been modified (and also do not change when parent store changes)

Since a base store does not have a parent store, data hashes in the base store cannot be in the INHERITED state

## NESTED STORE



### EVENT LIST

read  
read\_editable  
write  
remove  
did\_change  
commit\_nested

commit (nested only)  
discard (nested only)



### Section Separator

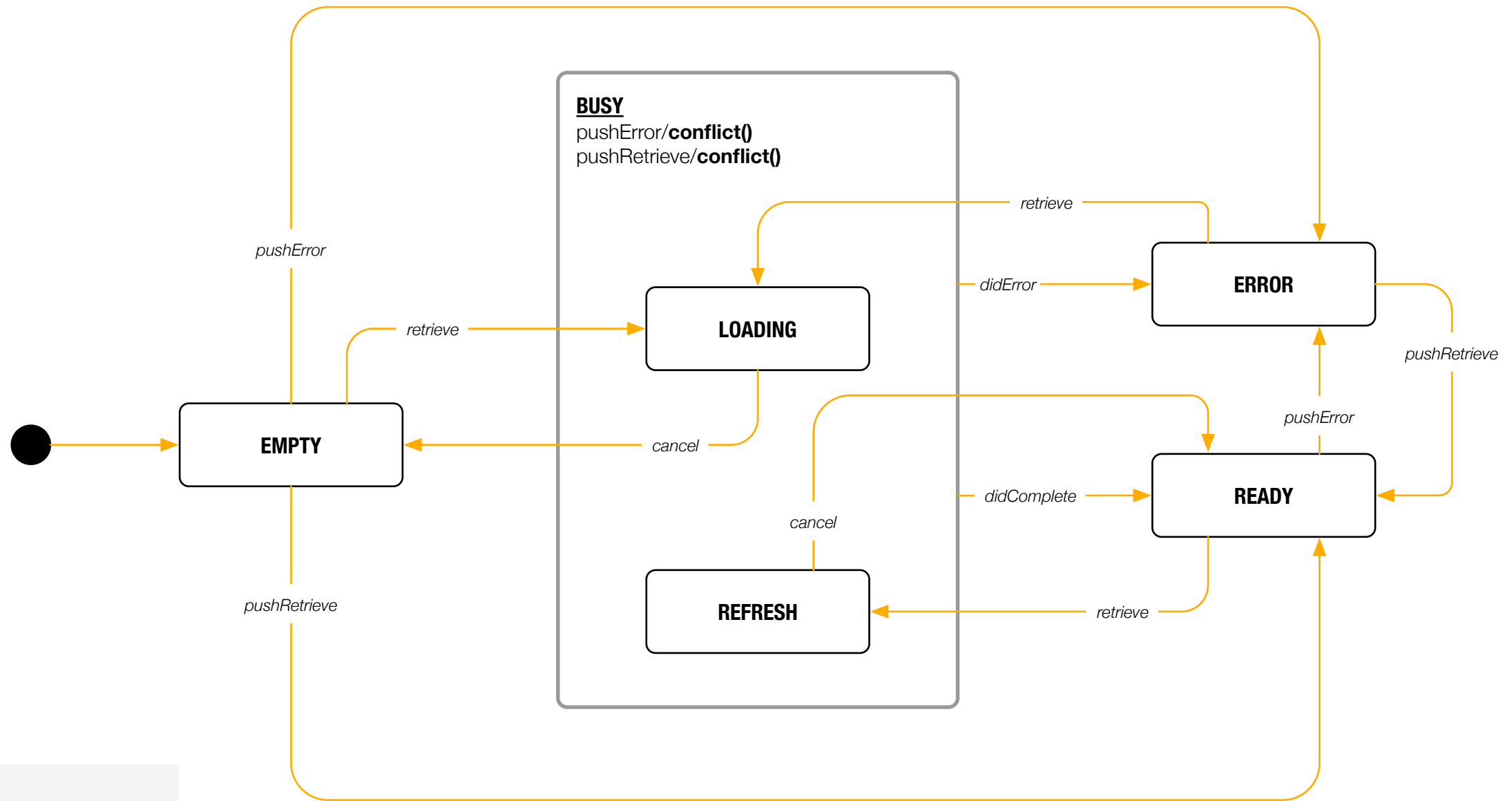
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# Fetch Requests

## NOTES

Each SC.RecordArray instance is backed by a single SC.Fetch. Fetch objects are global across the app, where a new SC.RecordArray instance will be created for each store or nested store.

The SC.RecordArray#status property reflects the underlying SC.Fetch status, as described below.



## EVENT LIST

*retrieve* - initiate retrieval of query  
*cancel* - cancel retrieval

*didComplete* - retrieval did complete  
*didError* - retrieval failed

*pushRetrieve* - retrieve at any time  
*pushError* - error at any time

