

Maintaining Activity State during System-initiated Shutdowns



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What to Expect from This Module

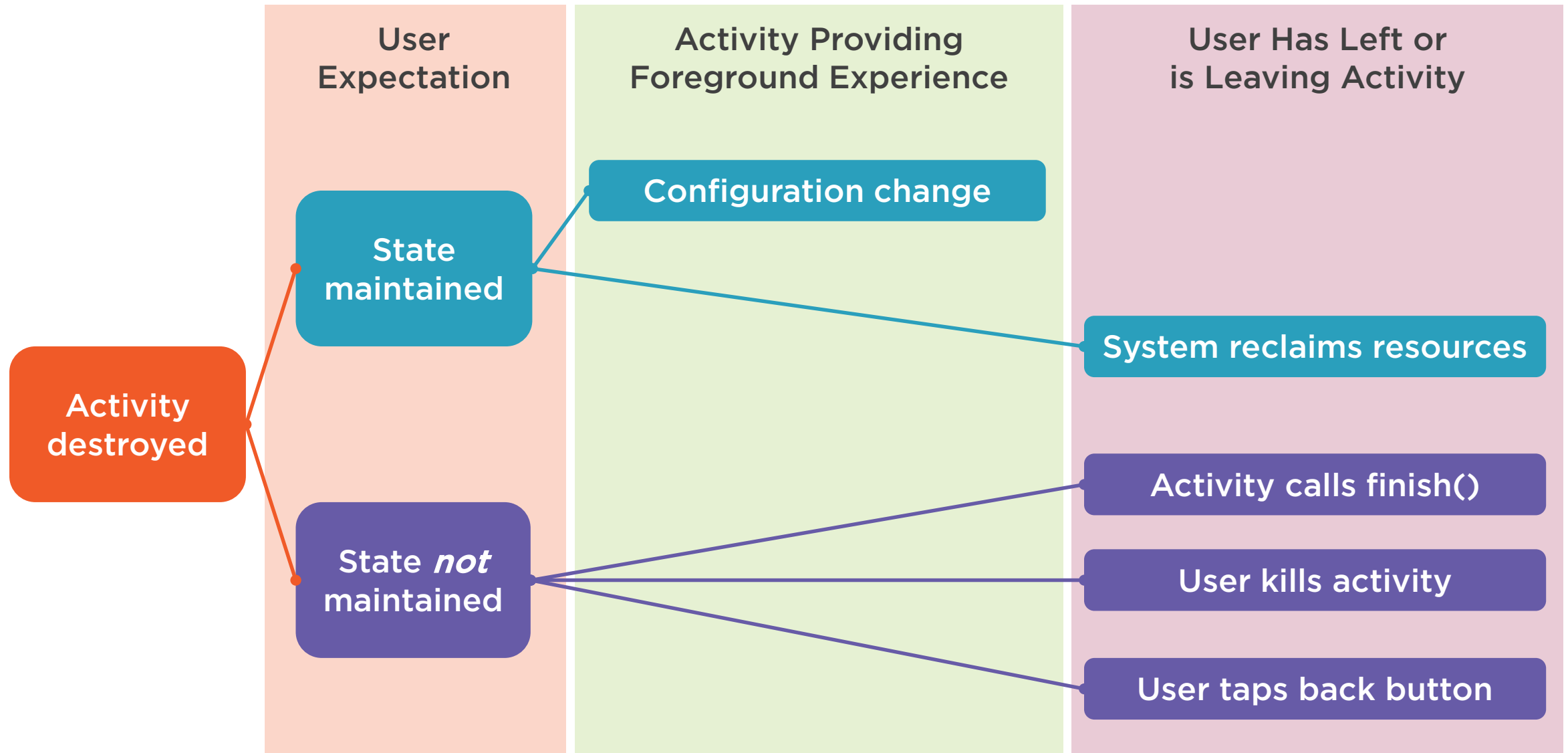


Durable activity state

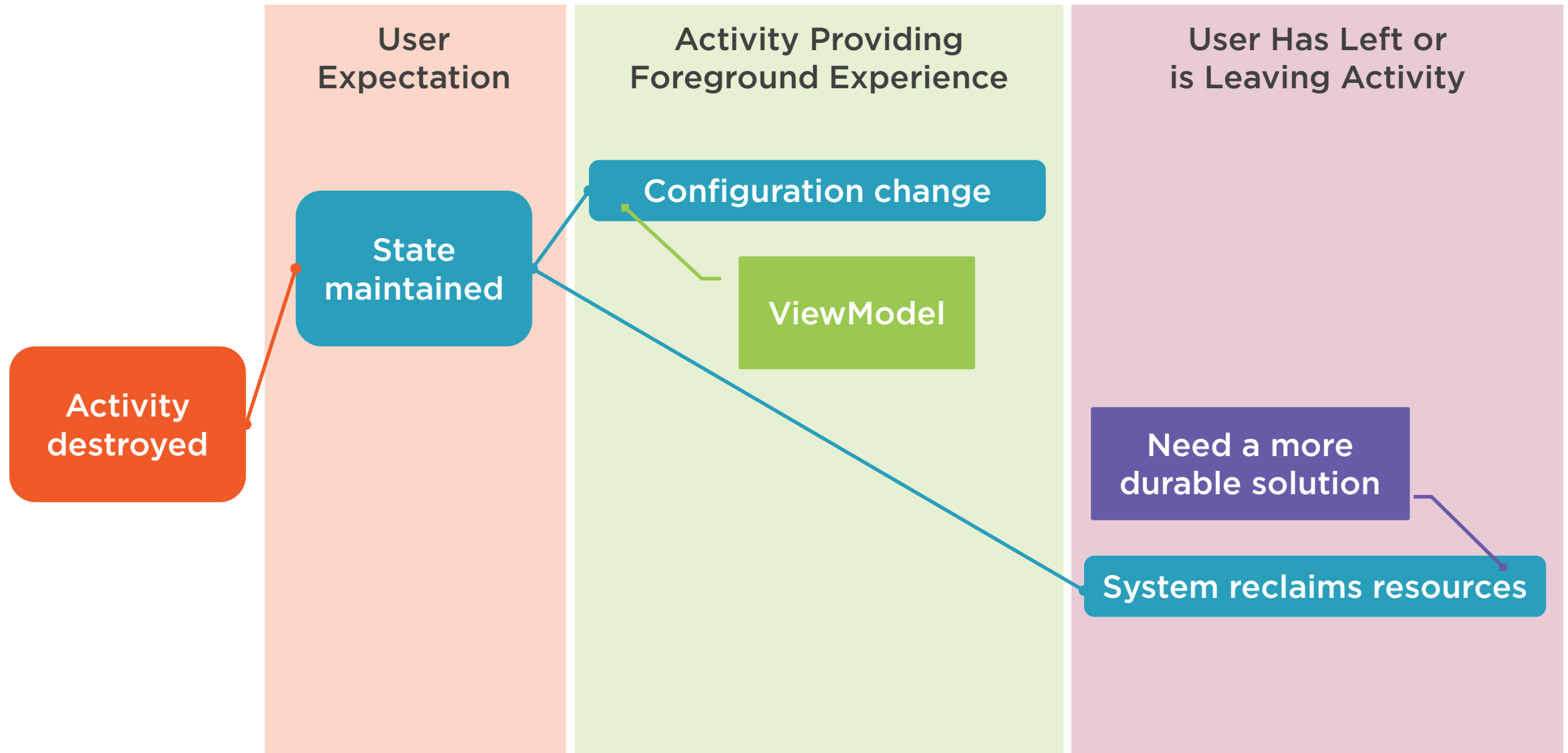
Identifying the need for durable activity state

Durably persisting state values

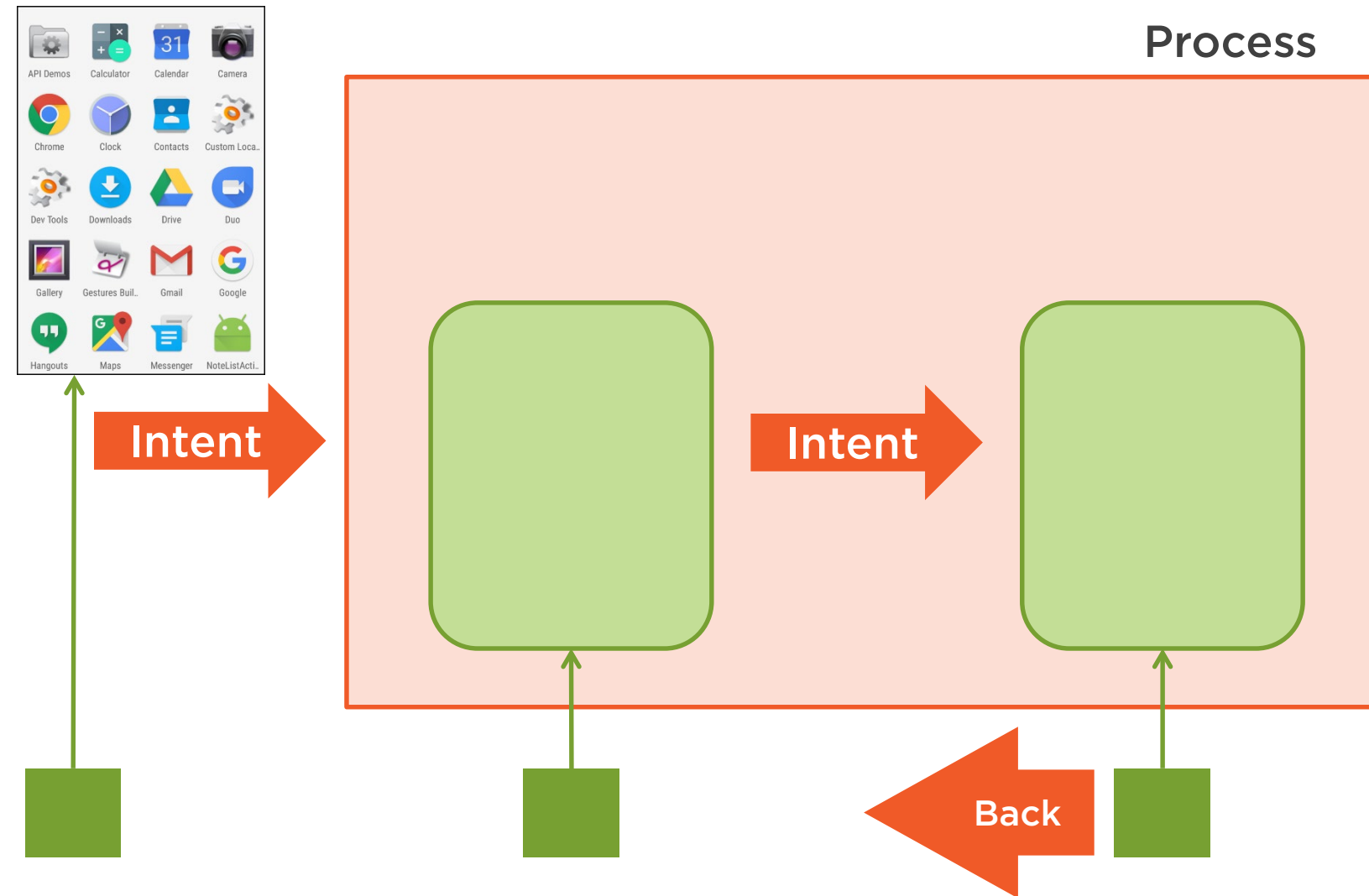
Activity Destruction Effects on State



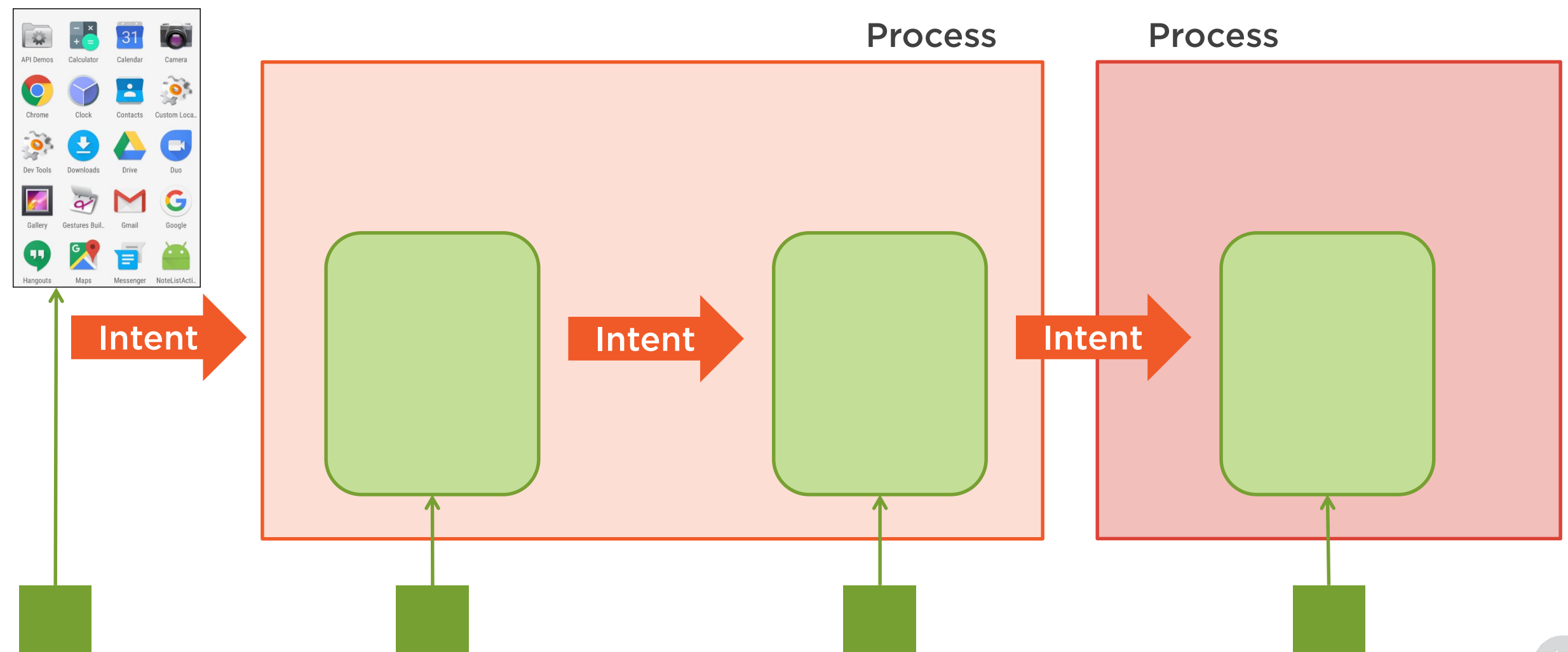
Activity Destruction Effects on State



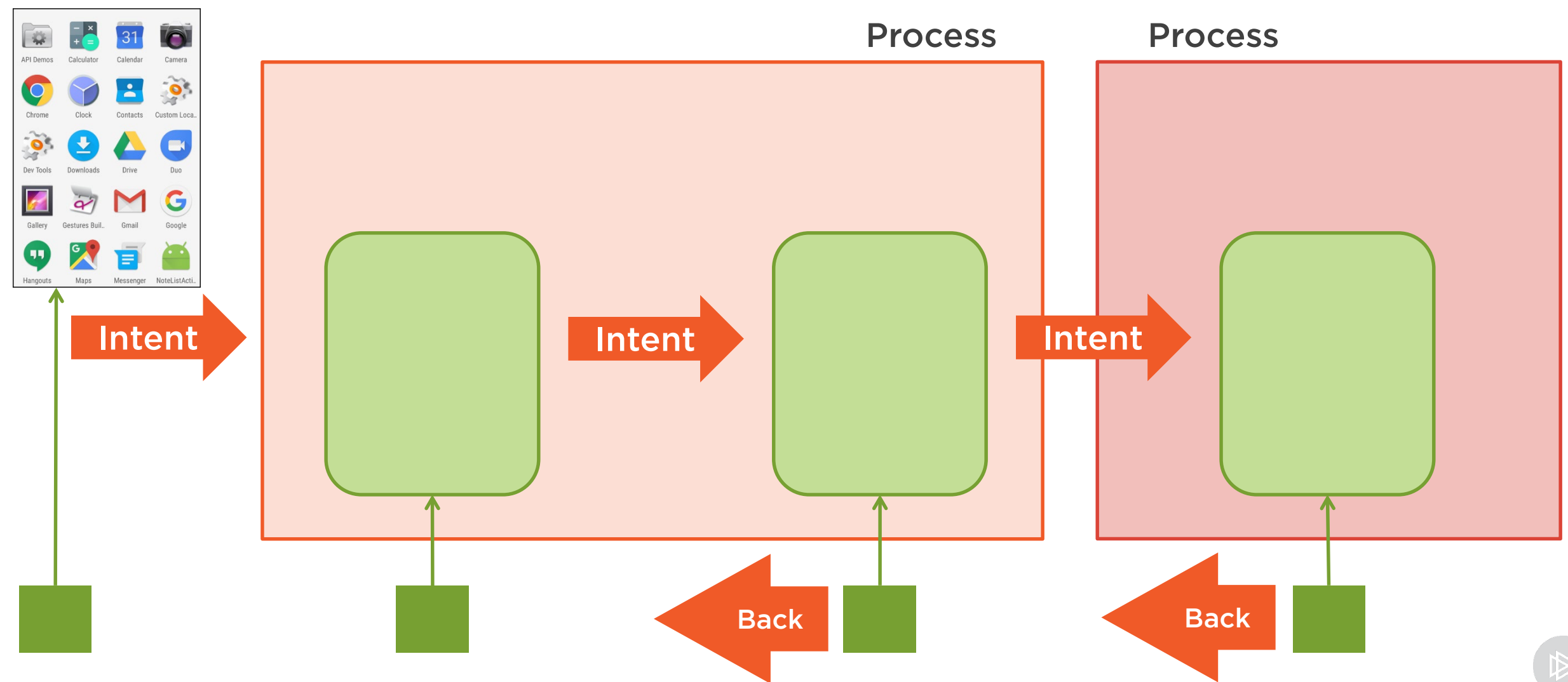
The Need for Durable Activity State



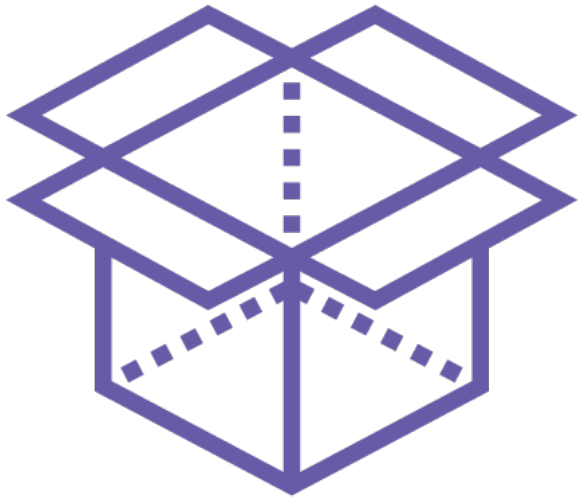
The Need for Durable Activity State



The Need for Durable Activity State



Durable Activity State



`onSaveInstanceState`

Save state into a bundle
System persists bundle



`onCreate`

Receives bundle with saved state values
Bundle is null on initial create

Summary



Activities often destroyed and recreated

- State needs to outlive activity instance

ViewModel helps

- Handles configuration changes
- Doesn't handle other scenarios

Need to implement durable persistence

- Allow the system to store state info



Summary



onSaveInstanceState

- Save state into provided bundle
- System persists bundle

onCreate

- Receives bundle with saved state
- Bundle is null on initial create