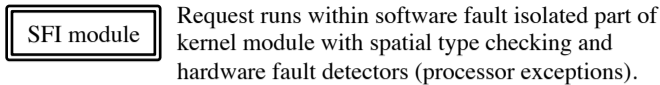
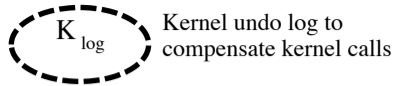
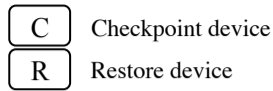
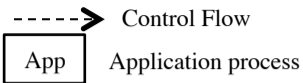
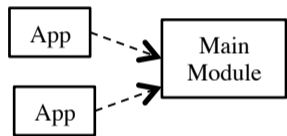
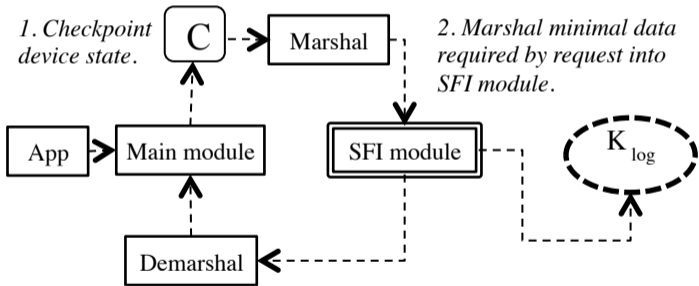


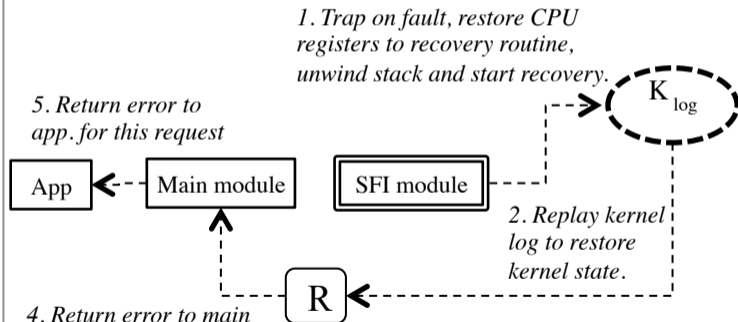
Notation Used:**REQUEST ARRIVES: ISOLATE ONDEMAND**

Fine-grained fault tolerance selects requests to run in SFI if they meets certain static or dynamic predicates using taps over entry points.

SUCCESS: EXECUTION OF UNSAFE REQUEST IN SFI

4. De-marshal result and updated drivers structures back to main module. Release all locks.

3. Execute request in SFI. Kernel undo log updated to record kernel calls such as locks, other resources.

FAILURE: REQUEST FAILS AND TRAPS IN SFI

4. Return error to main module w/o de-marshaling. Release all locks.

3. Restore device state using our fast device resume.