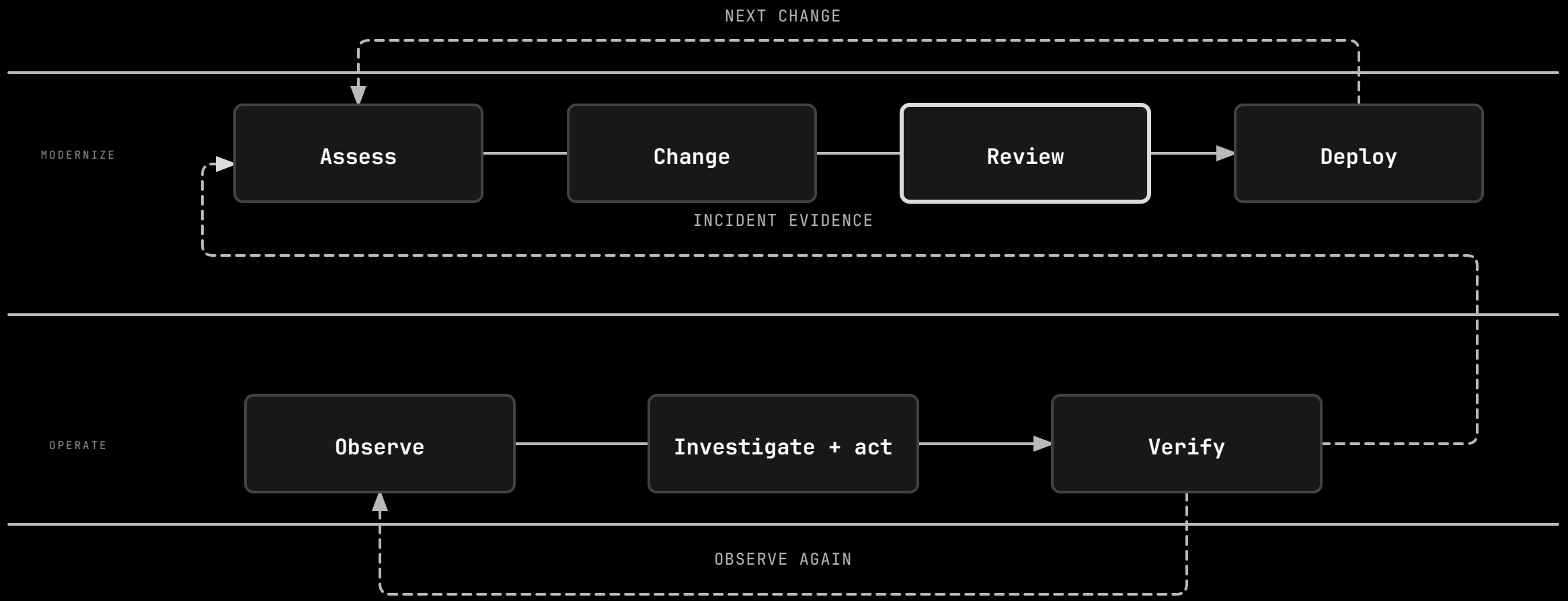
Self-Healing Operations

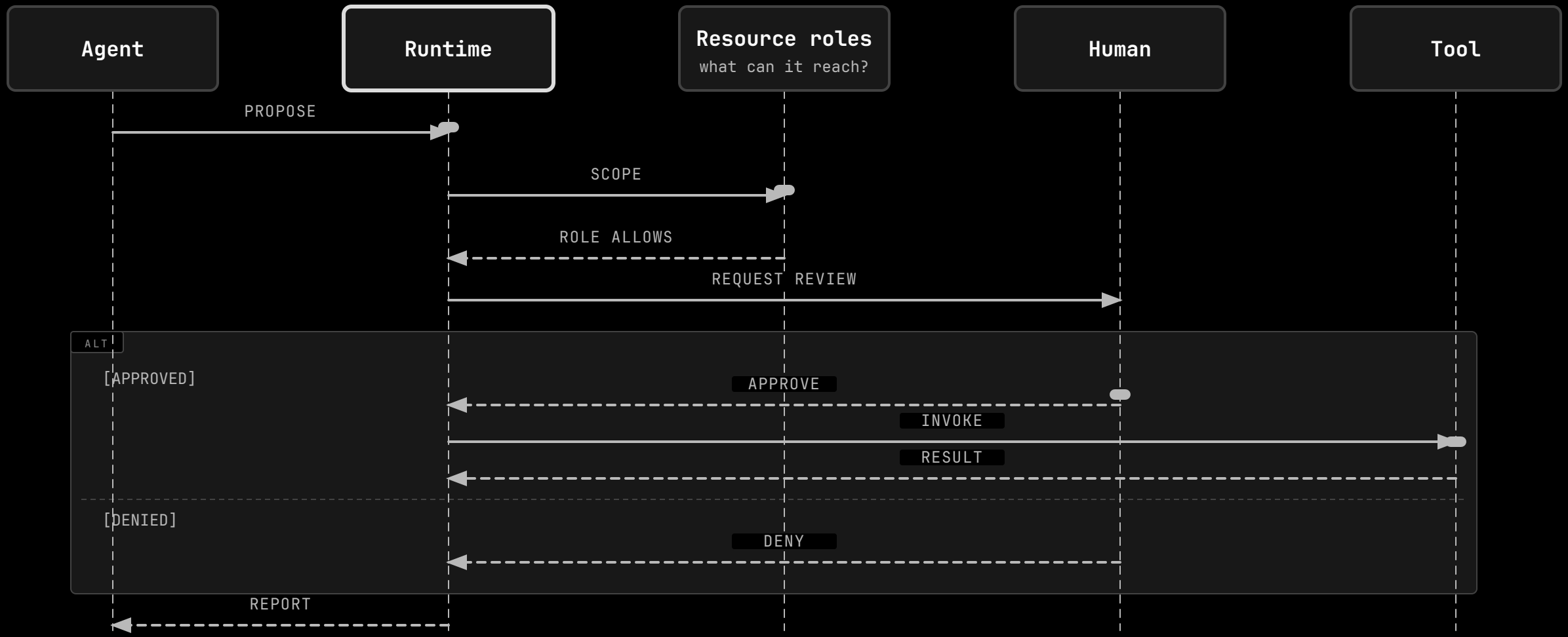
Two loops. One reviewed handoff.

Raghib Hasan

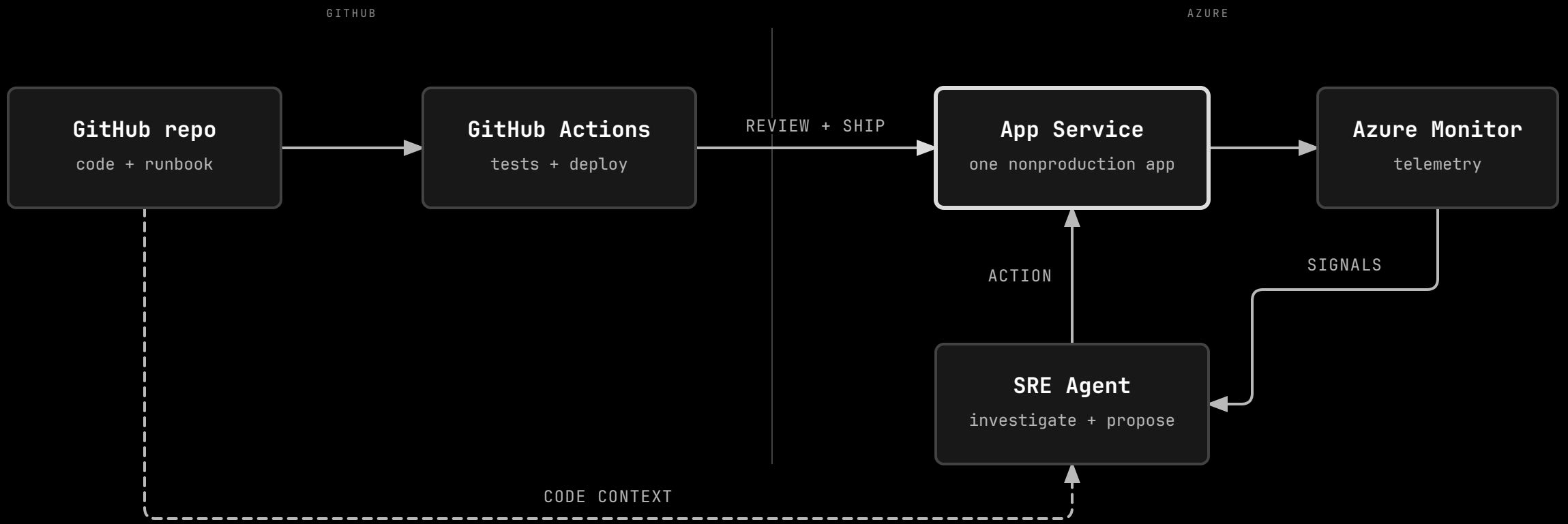
Two loops, one handoff



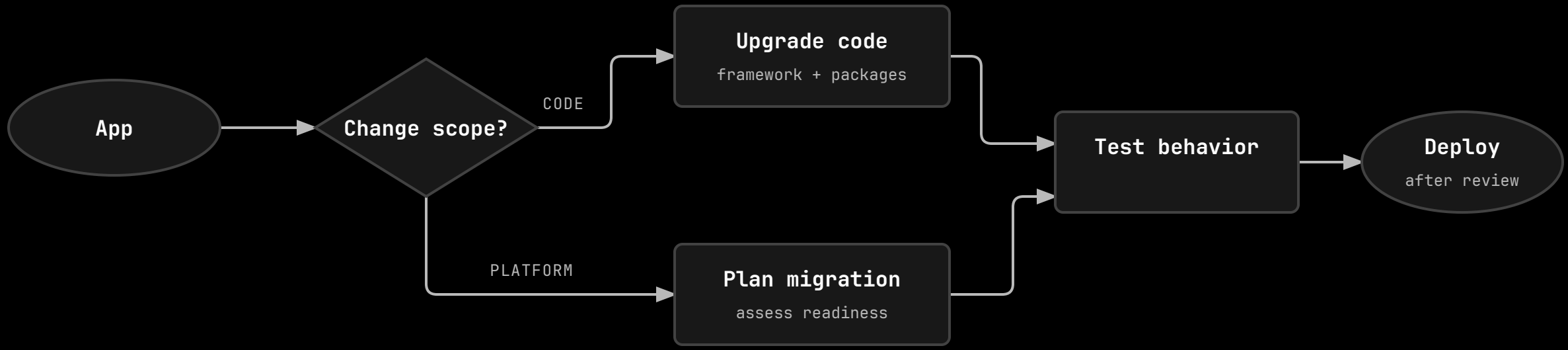
Agents propose. Runtimes enforce.



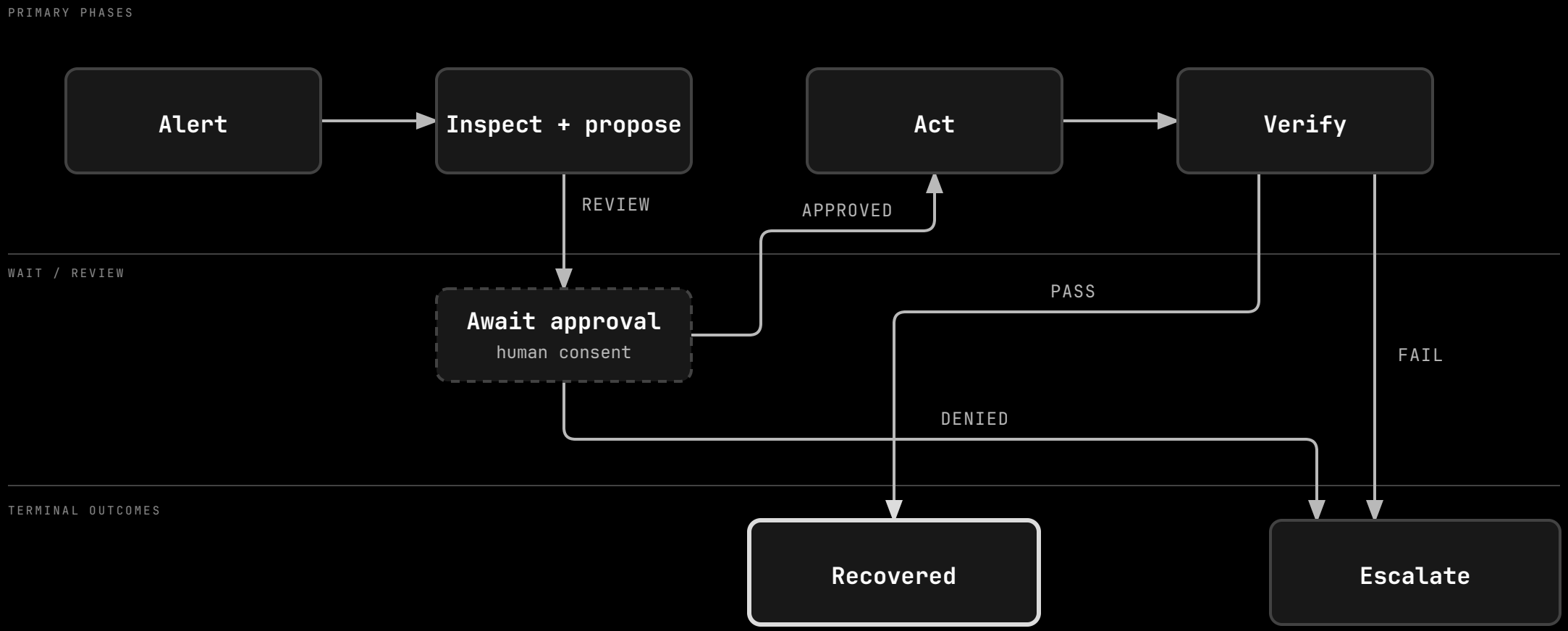
One app, one operating loop



Upgrade code. Plan the migration.



Recovery must be verified



Permission is not approval

ENFORCEMENT SURFACE	CONTROL · ACTOR · TIMING			EXCEPTION / GAP
01 **Identity**	Workload identity PLATFORM · RUN	Resource roles PLATFORM · RUN	Scope limits PLATFORM · RUN	Emergency access not specified
02 **Action policy**	Azure review HUMAN · RUN	Connector policy PLATFORM · RUN	Tool hooks PLATFORM · RUN	Other tools: define separately
03 **Merge**	Required review HUMAN · MERGE	Branch rules PLATFORM · MERGE	Required tests CODE · MERGE	Bypass route not specified
04 **Deploy**	Environment gate HUMAN · DEPLOY	OIDC identity PLATFORM · DEPLOY	Release workflow PLATFORM · DEPLOY	Denied approval: no deploy
05 **Verify**	Telemetry alert PLATFORM · RUN	Journey check HUMAN · AFTER ACTION	Escalation owner HUMAN · FAILURE	Failed check: escalate

Illustrative control map · verify each control and exception path in the target environment

References

- Azure SRE Agent: overview and run modes · approval boundaries
- GitHub connector · Copilot upgrade
- Copilot modernization · OIDC for Azure
- Original session