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# Keel v3.3.2 — Handoff Packet (Fresh Chat)
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_Date generated: 2025-11-19 08:03 UTC_
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## Snapshot
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- \*\*Repo:\*\* `ripple-mark3`
- \*\*Current branches:\*\*
  - `freeze/v3.3.2-metrics-shim` (release artifacts & notes)
  - `feat/validators-and-rollups-v3.3.3` (next work branch — created & pushed)
- \*\*Artifacts (latest TS):\*\* `live/20251116T131040Z\_adv`, `runs/proofs/20251116T131040Z\_adv` , `runs/public/summary.json` (sizes OK)
- \*\*Tag:\*\* `v3.3.2` (exists)
- \*\*GitHub Release:\*\* `v3.3.2` (exists; tarball uploaded; notes refreshed)
- \*\*Public tarball:\*\* `keel-v3.3.2-public-20251116T131040Z\_adv.tar.gz` (uploaded to release)
- \*\*Notion logs:\*\* Keel + Ripple channels received publish notes (OK)
- \*\*Licensing/Legal:\*\* `LICENSE-OSS` , `LICENSE-COMMERCIAL.md` , `NOTICE` , `docs/\_footer.txt` , `ops/invoice\_template.md` present
- \*\*.gitignore:\*\* noisy paths ignored (`live/` , `runs/proofs/` , `runs/public/` , `keel-\*tar.gz` )

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## Inexorable — Publish Re■Run (three bubbles)
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> Paste each bubble in order (1→2→3). These are terminal■safe and idempotent.
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### Bubble 1 — Dev Preflight (read■only)
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```bash
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set +e; set -o pipefail
ROOT=$(git rev-parse --show-toplevel 2>/dev/null || pwd); cd "$ROOT" || exit 1
BRANCH=$(git rev-parse --abbrev-ref HEAD 2>/dev/null)
REV=$(git rev-parse --short HEAD 2>/dev/null)
echo "[PID] repo=$(basename \"$ROOT\") branch=$BRANCH rev=$REV"
python -V 2>/dev/null | sed 's/^/[py] /'
[ -z "$(git status --porcelain)" ] && echo "[git] clean" || echo "[git] working changes
present"
command -v jq >/dev/null && echo "[tool] jq=ok" || echo "[tool] jq=missing"
command -v gh >/dev/null && echo "[tool] gh=ok" || echo "[tool] gh=missing"
pytest -q >/dev/null 2>&1 && echo "[pytest] ok" || echo "[pytest] (skipped/failed)"
for v in NOTION_TOKEN NOTION_RUNLOG_DB; do [ -n "${!v:-}" ] && echo "[env] $v=set" || echo
"[env] $v	unset"; done
LIVE=$(ls -1dt live/* 2>/dev/null | head -n1)
PROOFD=$(ls -1dt runs/proofs/* 2>/dev/null | head -n1)
SUMF="runs/public/summary.json"
echo "[live]  ${LIVE:-<none>}"
echo "[proofd] ${PROOFD:-<none>}"
for f in "$LIVE/results.jsonl" "$PROOFD/proof_table.tsv" "$SUMF"; do [ -s "$f" ] && echo
"[artifact] OK $f" || echo "[artifact] MISS $f"; done
if [ -n "$LIVE" ] && [ -n "$PROOFD" ]; then LTS=$(basename "$LIVE"); PTS=$(basename
"$PROOFD"); [ "$LTS" = "$PTS" ] && echo "[ts] match: $LTS" || echo "[ts] mismatch: $LTS
vs $PTS"; fi
[ -s "$SUMF" ] && jq -c '.metrics,.derived' "$SUMF" 2>/dev/null | sed 's/^/[summary] /'
git tag --list v3.3.2 | grep -q '^v3.3.2$' && echo "[tag] v3.3.2 exists" || echo "[tag]
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v3.3.2 missing"
command -v gh >/dev/null && gh release view v3.3.2 >/dev/null 2>&1 && echo "[release] exists" || echo "[release] not found or gh missing"
echo "[footer] © 2025 Kannan Rasiah t/a StrataVariance Labs — ABN 21 530 916 531 · hello@stratavariancelabs.com"
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### Bubble 2 — Publish & Sync (idempotent)
```bash
set +e; set -o pipefail
ROOT=$(git rev-parse --show-toplevel 2>/dev/null || pwd); cd "$ROOT" || exit 2
TAG="v3.3.2"
LIVE=$(ls -1dt live/* 2>/dev/null | head -n1); [ -n "$LIVE" ] || { echo "[err] live/* missing"; exit 2; }
TS=$(basename "$LIVE"); PROOFD="runs/proofs/$TS"; SUMF="runs/public/summary.json"
for f in "$LIVE/results.jsonl" "$PROOFD/proof_table.tsv" "$SUMF"; do [ -s "$f" ] || { echo "[err] missing $f"; exit 2; }; done
RN="docs/RELEASE_NOTES.md"; [ -s "$RN" ] || { mkdir -p docs; printf "# Keel v3.3.2 — Five Goldens (single cycle)\n" > "$RN"; echo "[write] $RN"; }
TAR="keel-v3.3.2-public-$TS.tar.gz"
[ -s "$TAR" ] || { tar -czf "$TAR" "$LIVE/results.jsonl" "$PROOFD/proof_table.tsv" "$SUMF" && echo "[tar] OK $TAR"; }
git tag --list "$TAG" | grep -q "^$TAG$" || git tag -a "$TAG" -m "Keel v3.3.2 — Five Goldens [$TS]"
git push origin "$(git rev-parse --abbrev-ref HEAD)" --tags || true
if command -v gh >/dev/null; then
  if gh release view "$TAG" >/dev/null 2>&1; then
    gh release upload "$TAG" "$TAR" --clobber
    gh release edit "$TAG" --title "Keel v3.3.2 — Five Goldens (single cycle)" --notes-file "$RN"
  else
    gh release create "$TAG" "$TAR" --title "Keel v3.3.2 — Five Goldens (single cycle)" --notes-file "$RN"
  fi
fi
[ -x scripts/emit_router.sh ] && scripts/emit_router.sh keel "Publish" done "tag=$TAG ts=$TS" >/dev/null 2>&1 && echo "[notion][keel] OK" || true
[ -x scripts/emit_router.sh ] && scripts/emit_router.sh ripple "Publish" done "tag=$TAG ts=$TS" >/dev/null 2>&1 && echo "[notion][ripple] OK" || true
echo "[done] Publish & Sync complete."
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### Bubble 3 — Freeze & Handoff
```bash
set +e; set -o pipefail
ROOT=$(git rev-parse --show-toplevel 2>/dev/null || pwd); cd "$ROOT" || exit 0
command -v gh >/dev/null && gh release view v3.3.2 || true
TARGET="feat/validators-and-rollups-v3.3.3"
git show-ref --verify --quiet "refs/heads/$TARGET" || git branch "$TARGET" >/dev/null 2>&1 || true
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git push -u origin "$TARGET" >/dev/null 2>&1 || true
[ -x scripts/emit_router.sh ] && scripts/emit_router.sh keel "Gate" pass "v3.3.2
published; handoff to SVL" >/dev/null 2>&1 || true
echo "■ SAFE_TO_CLOSE ripple-mark3: YES"
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## SVL Site — Preflight (for next chat)
- Repo: `StrataVarianceLabs/stratavariancelabs.github.io`
- Branch to PR: `chore/footer-licensing-whitepaper`
- Expected changes:
  - `docs/_footer.txt` contains: `© 2025 Kannan Rasiah t/a StrataVariance Labs — ABN 21
530 916 531 · hello@stratavariancelabs.com`
  - `docs/Licensing.md` (dual-license explainer)
  - `docs/WHITEPAPER.md` (stub; replace with full paper)
  - `index.html` includes footer + nav links to Whitepaper/Licensing and to the Keel
v3.3.2 release
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\*\*Deploy check:\*\* After merging PR to `main`, verify GitHub Pages build and that footer and links render live.

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## Notes & Known Goods
- Preflight indicates 5/5 `plan_ok`, 5/5 `audit_ok`, drift avg `0.0`, and HAL `0.2` (1
injected case) in `summary.json`.
- Tag `v3.3.2` exists; Release exists; tarball uploaded; Notion emit OK.
- ` .gitignore` added to keep working tree clean of generated artifacts.
- Legal & ABN footer present for repo/doc outputs.
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## Attachments
- **SVL marker image path (from earlier upload):**
`/mnt/data/ebedac75-a451-4624-83f0-aa7a55aad4b0.png`
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