# Social Network resilience demo

## Gate status: FAILED

Violations: /compose-post-service @ pfail=0.5 -> 0.0231, /home-timeline-service @ pfail=0.5 -> 0.2812, /nginx-web-server @ pfail=0.5 -> 0.1384, /social-graph-service @ pfail=0.5 -> 0.5625, /text-service @ pfail=0.5 -> 0.1250, /user-service @ pfail=0.5 -> 0.5625, /user-timeline-service @ pfail=0.5 -> 0.5625; min reliability=0.0231 (threshold=0.95)

Threshold: 0.95 — Mode: any

Filters: (all endpoints)

Simulated pfail values: 0.1, 0.3, 0.5

Gate checks only the replicated (repl) columns; norepl is shown for context. Violations list the lowest-reliability pfail per endpoint. Cell colors: green meets threshold (repl), red is below (repl), blue is baseline (norepl, not gated), gray is missing.

Gate mode `any` : fail if any endpoint's lowest repl reliability across the simulated pfail values is below the threshold.

## Endpoint reliability

| Endpoint | pfail=0.1 | | pfail=0.3 | | pfail=0.5 | |
|---|---|---|---|---|---|---|
| | norepl (ref) | repl (gated) | norepl (ref) | repl (gated) | norepl (ref) | repl (gated) |
| /compose-post-service | 43.05% | 63.60% | 5.76% | 17.60% | 0.39% | 2.31% |
| /home-timeline-service | 72.90% | 88.21% | 34.30% | 57.97% | 12.50% | 28.12% |
| /nginx-web-server | 53.14% | 86.37% | 11.76% | 46.71% | 1.56% | 13.84% |
| /social-graph-service | 81.00% | 98.01% | 49.00% | 82.81% | 25.00% | 56.25% |
| /text-service | 72.90% | 72.90% | 34.30% | 34.30% | 12.50% | 12.50% |