

# OpenStack / Kolla-Ansible Review — Sample Report

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**This is a redacted sample.** Hostnames, IPs, and tenant names are replaced with placeholders. A real report is specific to your environment and includes evidence (config excerpts, log lines, command output) for every finding.

## Scope & method

Reviewed a 9-node Kolla-Ansible deployment (3 control, 6 compute) on Ubuntu 22.04: Nova, Neutron (OVN), Cinder, Keystone, Glance, Placement, and RabbitMQ. Method: read-only inspection of `globals.yml`, the inventory, service configs, and 7 days of logs — no changes made to the environment. Findings are risk-ranked by blast radius, not by ease of fixing.

## Findings summary

| # | Area     | Finding                                                                         | Severity |
|---|----------|---------------------------------------------------------------------------------|----------|
| 1 | Keystone | Fernet keys never rotated; single key in rotation                               | HIGH     |
| 2 | RabbitMQ | No HA policy on notification queues; single-node mirroring gap                  | HIGH     |
| 3 | Cinder   | Backup driver unconfigured; volumes have no off-array copy                      | MEDIUM   |
| 4 | Nova     | <code>cpu_allocation_ratio</code> 16:1 on memory-bound flavors → OOM risk       | MEDIUM   |
| 5 | Kolla    | Upgrade path skips a release; <code>kolla-ansible</code> pinned 2 minors behind | MEDIUM   |
| 6 | Neutron  | OVN DB backups not scheduled                                                    | LOW      |

## Finding detail (example)

### HIGH #1 · Keystone Fernet keys never rotated

**Evidence:** `/etc/keystone/fernet-keys/` contains keys `0` and `1` with mtime from initial deploy; no rotation cron or `kolla-ansible` rotation task present. `[fernet_tokens] max_active_keys = 3` but rotation never runs.

**Risk:** A leaked staging key stays valid indefinitely; you cannot revoke tokens by rotating, and a future rotation with a stale staging key will invalidate all active tokens at once (fleet-wide auth outage).

#### Remediation (back-out-safe):

- Stage rotation in a maintenance window: run `keystone-manage fernet_rotate` on one controller, then sync keys to peers via the Kolla rotation playbook.
- Schedule rotation at an interval shorter than `token expiration × max_active_keys`.
- Back-out: keep a copy of the current key repo; if auth breaks, restore and restart `keystone` containers.

## What you'd receive

- This risk-ranked report with evidence and back-out-safe remediation for every finding.
- A 30-minute walkthrough call to prioritize the fixes against your roadmap.
- Two weeks of email follow-up for clarifying questions as you implement.

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