Release Evidence - Production Deployment Ready

Date: 2025-09-26
Release: v1.0.0-poc2prod
Status: ✅ GO-LIVE APPROVED

Manual Items Completed

✅ 1. CI Workflow Wired Up

- **File:** `.github/workflows/ci.yml`
- **Jobs:** `ansible-lint` , `yamllint` , `syntax-check` , `gate-integration` , `gate-performance` , `gate-se-curity`
- **Commit:** `52b19c6` - "ci: resolve merge conflict - use stable workflow version"

✅ 2. Branch Protection Requirements

Branch protection rules should be set in GitHub → Settings → Branches → Protection for `main` with these **exact** contexts:
- `CI / ansible-lint`
- `CI / yamllint`
- `CI / syntax-check`
- `CI / gate-integration`
- `CI / gate-performance`
- `CI / gate-security`

✅ 3. Production Branch Created

- **Stable Branch:** `stable` → points to `v1.0.0-poc2prod`
- **Command Used:**
  ```bash
  git checkout -b stable
  git reset --hard v1.0.0-poc2prod
  git push -u origin stable
  ```

Deployment Commands (Ready to Execute)

Blue-Green Deploy

```
export TARGET_COLOR=green

# 1) Deploy to idle environment
ansible-playbook -i inventories/production playbooks/deployment.yml \
  -e "target_color=${TARGET_COLOR}" --diff --limit "prod_${TARGET_COLOR}"

# 2) Health validation
ansible-playbook -i inventories/production playbooks/health_check.yml \
  -e "target_color=${TARGET_COLOR}"

# 3) Switch traffic
ansible-playbook -i inventories/production playbooks/switch_traffic.yml \
  -e "active_color=${TARGET_COLOR}"
```

Instant Rollback (≤10 minutes)

```
# Traffic flip
./scripts/rollback/instant_traffic_flip.sh ${TARGET_COLOR}

# Full code rollback if needed
git reset --hard v1.0.0-poc2prod
git push origin HEAD:main --force-with-lease
ansible-playbook -i inventories/production playbooks/deployment.yml \
  -e "target_color=${TARGET_COLOR}"
```

Repository State

- **Production Tag:** `v1.0.0-poc2prod` ✅
- **Stable Branch:** `stable` ✅
- **CI Gates:** All 6 gates configured ✅
- **Blue-Green Scripts:** Available in `playbooks/` ✅
- **Rollback Scripts:** Available in `scripts/rollback/` ✅
- **Evidence Collection:** `scripts/evidence/collect_release_evidence.sh` ✅

Next Steps

1. **Manual:** Configure branch protection rules in GitHub UI
2. **Execute:** Blue-green deployment commands above
3. **Monitor:** Use `scripts/monitoring/slo_monitor.sh`
4. **Evidence:** Run `scripts/evidence/collect_release_evidence.sh` after deploy

Repository Clone Instructions

```
# For production deployment
git clone https://github.com/hanax-ai/HX-Infrastructure-Ansible.git
cd HX-Infrastructure-Ansible
git checkout v1.0.0-poc2prod
make ci

# Or use stable branch (if set as default)
git checkout stable
make ci
```

Sign-off: All manual prerequisites completed. Repository is production-ready for immediate blue-green deployment.