SSH Key Remediation - September 26, 2025

Security Issue Identified

- **File**: `files/ssh_keys/hx_production_ed25519`
- **Type**: SSH private key exposed in repository
- **Discovery Date**: September 26, 2025
- **Remediation Date**: September 26, 2025

Remediation Actions Taken

1. Key Removal

- Removed exposed SSH private key from repository
- File permanently deleted from git tracking
- Commit: Phase 1B SSH key remediation

2. Environment Context

- **Environment**: Development/Test (confirmed by user)
- **Risk Level**: Low (dev/test context)
- **Approach**: Lowest-effort remediation approved

3. Required Follow-up Actions

- [ ] Invalidate the exposed key in dev/test environment
- [ ] Rotate any systems using this key
- [ ] Verify no production systems were using this key
- [ ] Update deployment documentation to exclude SSH keys from repository

Security Best Practices Going Forward

1. Never commit private keys, certificates, or secrets to repositories
2. Use environment variables or secure secret management systems
3. Add `.gitignore` patterns for common secret file types
4. Regular security audits of repository contents

Rollback Information

- **Safety Branch**: phase1a-safety
- **Backup**: HX-Infrastructure-Ansible-backup-20250926.tgz
- **Snapshot Tag**: pre-cleanup-snapshot-20250926

This remediation is part of Phase 1B of the Repository Cleanup Execution Plan