STAGING SERVER UPDATE COMMANDS

===============================

STANDARD UPDATE PROCESS

------------------------

# Navigate to your project directory

cd /path/to/your/OUCAccess

# Check current status and branch

git status

git branch

# Fetch the latest changes from GitHub

git fetch origin

# Pull the latest changes from the main branch

git pull origin main

# Install any new dependencies

npm install

# Build the updated application

npm run build

# Restart your PM2 process

pm2 restart ouc-staging

QUICK ONE-LINER UPDATE

----------------------

git pull origin main && npm install && npm run build && pm2 restart ouc-staging

PREVIEW CHANGES BEFORE UPDATE

-----------------------------

# Check what's different between local and remote

git fetch origin

git log HEAD..origin/main --oneline

# Then pull if you want to proceed

git pull origin main

IF YOU HAVE MERGE CONFLICTS

----------------------------

# Stash local changes first

git stash

# Pull the latest changes

git pull origin main

# Restore your local changes (if needed)

git stash pop

COMPLETE FRESH COPY (Nuclear Option)

------------------------------------

# WARNING: This will overwrite any local changes

git fetch origin

git reset --hard origin/main

npm install

npm run build

pm2 restart ouc-staging

VERIFICATION COMMANDS

---------------------

# Check if application is running

pm2 status

# View application logs

pm2 logs ouc-staging

# Check website is responding

curl http://localhost:3000

# Check specific staging URL

curl https://your-staging-domain.com

TROUBLESHOOTING

---------------

If update fails:

1. Check PM2 status: pm2 status

2. View logs: pm2 logs ouc-staging

3. Restart manually: pm2 restart ouc-staging

4. Check Nginx: sudo systemctl status nginx

If dependencies fail:

1. Clear node\_modules: rm -rf node\_modules

2. Clear package-lock: rm package-lock.json

3. Reinstall: npm install

If build fails:

1. Check environment variables: cat .env.local

2. Clear Next.js cache: rm -rf .next

3. Rebuild: npm run build

DEPLOYMENT SCRIPT OPTION

-------------------------

If you have the deploy-staging.sh script:

./deploy-staging.sh

RECOMMENDED WORKFLOW

--------------------

1. Always check current status first: git status

2. Fetch and preview changes: git fetch origin && git log HEAD..origin/main --oneline

3. Pull if changes look good: git pull origin main

4. Install dependencies: npm install

5. Build application: npm run build

6. Restart services: pm2 restart ouc-staging

7. Verify deployment: pm2 status && curl http://localhost:3000

SAFETY NOTES

------------

- Always backup your .env.local file before major updates

- Test on staging before deploying to production

- Keep a record of working versions in case rollback is needed

- Monitor logs after deployment: pm2 logs ouc-staging

END OF DOCUMENT