Here’s a clean, repeatable “promote from vwbwebdev → vwbOnline” playbook.

Pre-reqs on vwbOnline (already done)

- IIS site bound to enrollment.wellbridge.com → C:\apps\online-enrollment

- ARR proxy enabled; URL Rewrite installed

- Backend service: pm2onlineenrollment.exe (auto-start, failure restarts)

- Logging with daily rotation under backend\logs

- web.config in C:\apps\online-enrollment (CSP, proxy, SPA fallback)

- HTTPS via win-acme when ready (optional now)

A) On vwbwebdev (build and package)

1) Frontend: build production

- cd frontend

- npm run build

- Artifact to copy: frontend\dist-production (entire folder)

2) Backend: prepare code

- Artifact to copy: backend\src (all), backend\package.json, backend\package-lock.json (optional)

- Do NOT copy: backend\.env, backend\logs, backend\node\_modules, services/scripts unique to prod

B) On vwbOnline (backup, deploy, install)

0) Optional maintenance: recycle app pool to reduce file locks

1) Backup current app

- Copy C:\apps\online-enrollment to C:\apps\online-enrollment\_backup\_YYYYMMDD\_HHMM

2) Stop backend service

- Stop-Service -Name pm2onlineenrollment.exe

3) Copy artifacts from vwbwebdev to vwbOnline

- Overwrite:

- C:\apps\online-enrollment\frontend\dist-production

- C:\apps\online-enrollment\backend\src

- C:\apps\online-enrollment\backend\package.json (+ package-lock.json if used)

- Do NOT overwrite:

- C:\apps\online-enrollment\backend\.env

- C:\apps\online-enrollment\web.config

- C:\apps\online-enrollment\backend\logs

4) Install backend deps (only if package.json changed)

- cd C:\apps\online-enrollment\backend

- npm ci (or npm i)

5) Start backend service

- Start-Service -Name pm2onlineenrollment.exe

C) Validate (server-side first)

- API health: Invoke-WebRequest -Uri "http://localhost:3173/api/health" -UseBasicParsing

- Through IIS (host header): Invoke-WebRequest -Uri "http://127.0.0.1/online-enrollment/enrollment?clubId=203" -Headers @{ Host = "enrollment.wellbridge.com" } -UseBasicParsing

- Check logs:

- Get-ChildItem C:\apps\online-enrollment\backend\logs | Sort-Object LastWriteTime -Descending | Select-Object -First 5 Name,Length,LastWriteTime

- Browser test:

- http://enrollment.wellbridge.com/online-enrollment/enrollment?clubId=203

- If HTTPS is enabled: https://enrollment.wellbridge.com/online-enrollment/enrollment?clubId=203

D) What you might need to change (only if applicable)

- Backend env: C:\apps\online-enrollment\backend\.env

- DB settings, CORS, SMTP, etc. (Keep production values)

- web.config:

- Only if you change paths, base URL, or need new CSP frame-ancestors entries

- ARR rule already proxies /api/\* to http://localhost:3173

- Frontend router:

- It’s set to basename “/online-enrollment” (correct)

- Payment/endpoints:

- If you add new endpoints under /api, no change needed as long as the base is /api

E) Rollback (if needed)

- Stop service:

- Stop-Service -Name pm2onlineenrollment.exe

- Restore backup:

- Copy C:\apps\online-enrollment\_backup\_YYYYMMDD\_HHMM → C:\apps\online-enrollment

- Start service:

- Start-Service -Name pm2onlineenrollment.exe

- Validate as in section C

F) Post-deploy housekeeping

- Log cleanup runs via C:\apps\online-enrollment\backend\scripts\clean-logs.ps1

- Add a weekly Scheduled Task under SYSTEM:

- Program: powershell.exe

- Args: -NoProfile -ExecutionPolicy Bypass -File "C:\apps\online-enrollment\backend\scripts\clean-logs.ps1"

- Optional: remove old frontend build folders (you already did); keep only frontend\dist-production

Embed URL (club 203)

- http://enrollment.wellbridge.com/online-enrollment/enrollment?clubId=203

- Switch to https once your cert is installed (same URL with https)

That’s all you need for a safe replace/upgrade. If you want, I can script this into a one-click PowerShell deploy for vwbOnline.

[1 tool called]

Here’s a one-command deploy script you can run on vwbOnline (after copying over new artifacts from vwbwebdev).

Script location

- C:\apps\online-enrollment\scripts\deploy.ps1

What it does

- Optional backup of the current app to C:\apps\online-enrollment\_backup\_YYYYMMDD\_HHMMSS

- Stops backend service pm2onlineenrollment.exe

- Replaces:

- frontend\dist-production with your new built folder

- backend\src with your new code

- backend\package.json (+ package-lock.json if provided)

- Optionally installs backend deps (npm ci)

- Restarts the service

- Runs health checks (direct API and IIS host-header test)

Usage example (elevated PowerShell)

- First, copy artifacts from vwbwebdev to a staging folder on vwbOnline, e.g.:

- \\vwbwebdev\share\online-enrollment\frontend\dist-production

- \\vwbwebdev\share\online-enrollment\backend\src

- \\vwbwebdev\share\online-enrollment\backend\package.json (+ package-lock.json)

- Then run:

```powershell

$FrontendDist = "\\vwbwebdev\share\online-enrollment\frontend\dist-production"

$BackendSrc = "\\vwbwebdev\share\online-enrollment\backend\src"

$BackendPkg = "\\vwbwebdev\share\online-enrollment\backend"

powershell -NoProfile -ExecutionPolicy Bypass -File "C:\apps\online-enrollment\scripts\deploy.ps1" `

-AppRoot "C:\apps\online-enrollment" `

-FrontendDist $FrontendDist `

-BackendSrc $BackendSrc `

-BackendPkgDir $BackendPkg `

-ServiceName "pm2onlineenrollment.exe" `

-HostHeader "enrollment.wellbridge.com" `

-ClubIdToTest "203" `

-InstallDeps `

-VerboseCopy

```

Notes

- Do NOT include `backend\.env`, `backend\logs`, or `node\_modules` in your copy; keep production values on vwbOnline.

- If you don’t need to reinstall dependencies, drop the -InstallDeps switch.

- To skip the backup, add -SkipBackup.

Rollback

- Stop service:

- Stop-Service pm2onlineenrollment.exe

- Restore backup folder shown at the end of the script:

- robocopy C:\apps\online-enrollment\_backup\_YYYYMMDD\_HHMMSS C:\apps\online-enrollment /MIR

- Start service:

- Start-Service pm2onlineenrollment.exe

If you want, I can also add a companion script that pulls artifacts directly from vwbwebdev (SMB copy) and then calls deploy.ps1 automatically.