**CONTEXT — Setup Script Patch & Environment Snapshot**

*(as of 2025-10-19T16:50-0400)*

**🧠 Objective**

Finalize, version, and test the PowerShell master bootstrap script (setup-win-start.ps1) with the new **dry-run**, **restore-point**, and **portable profile** improvements before the next emit-only or real-run test cycle.  
GitHub repo now synced to this patched state.

**1. Technical State**

**✅ Patched & Versioned Script**

**setup-win-start.ps1** now includes:

* Corrected token: emit-wsl-cygwin-artifacts
* Simplified restore-point interface:
  + -WithRestorePoints *(switch, default: off)*
  + -RestorePointPhase All|PreInitialUpdate|PostBeginningPreBigSetup|PostBigSetup
  + Guard rejects legacy flags: -SkipRestorePoints, -RestorePoints, -EnableRestorePoints
* **Dry-run mode** (-DryRun):
  + New helpers: Invoke-Action, Set-ContentLiteralUtf8
  + All file ops routed through [DRY-RUN] logging
* **Logger rollover:** $logCurrent → $logComplete near final summary
* **Portable profile options:** -InstallFlux, -InstallTwinkleTray
* **Quoting fix:** .sh and .bashrc emissions use single-quoted here-strings for literal UTF-8
* **Updated help block** with the corrected token, new flags, and usage examples

**Emit sanity test (safe mode):**

.\setup-win-start.ps1 -Installs "emit-cygwin-bootstrap,emit-wsl-setup,emit-wsl-cygwin-artifacts" -Interactive n -Archive4Doc y -DryRun

**Full emit (no system changes beyond file writes):**

.\setup-win-start.ps1 -Installs "emit-cygwin-bootstrap,emit-wsl-setup,emit-wsl-cygwin-artifacts" -Interactive n -Archive4Doc y

Optional restore-point:

-WithRestorePoints -RestorePointPhase All

**2. Supporting Files**

* setup-win-start.ps1 — patched main script
* patch\_report.json — audit of injected logic
* GitHub repo tagged: *post-dry-run-scaffold-v1* (local + remote parity confirmed)

**3. Upcoming Work**

* Run -DryRun test to verify [DRY-RUN] outputs
* Inspect .4doc\_\* trees for correct quoting
* Prepare structure.sh --check test after next emission
* Write tarball\_manifest\_v1 listing artifacts to bundle
* Start Google Drive + Keep integration tests once ADB handshake fixed

**4. Logistics — E-Bike / Travel Note**

Bluebikes **e-bike surcharge** after 1-day-pass:

* $0.10 per minute after the 45-minute included ride window
* Additional overtime charges if single ride >45 min  
  *(So a 30-min e-bike trip ≈ $3; a 60-min one ≈ $1.50 overtime + $1.50–$3 usage.)*  
  Recommendation: stay under 45 min per unlock, re-dock to reset timer.

**5. Behavioral Track — George 🐈**

* **Status:** 7 months old, post-adrenaline fatigue, asleep on couch.  
  Aggression episode resolved; calm and responsive.
* **Current plan:**
  + Leave lights **dim**, not off—mimics twilight and avoids full darkness disorientation.
  + Continue “George Cooldown & Redirect Card v1.0” habits (quiet separation, treat reward, enrichment).
  + Replace chemical cleaners with unscented or vinegar-based options.
* **Next acquisition:** catnip/silvervine mix for enrichment, unscented cleaner for mold control.

**6. Diagnostics Request (for next chat)**

You’d like a complete **markdown dump** of the code that produced the “5-lists” output (the interpreter/compiler pseudo-run).  
Goal: save that as a .md file with code block preserving stepwise “Thinking…” trace.

**Next Chat Goals**

1. Retrieve and format that “thinking output” markdown.
2. Generate tarball\_manifest\_v1 for your GitHub release.
3. Begin small test run (-DryRun) and inspect [DRY-RUN] logging.
4. Optional: start planning for Google Drive + Keep GTD integration pipeline.

Would you like me to generate the **markdown file of that “thinking” process and code** (the interpreter/compiler run) right after this, so it’s ready for import into the new chat?