VM/370 - Environment Setup

This is a case study in setting up multiple VM/370 environments

- VM/370 "SixPack" 1.3 Beta 3 Release
- Paul Gorinskey's 6-Pack System (zip)
- Andy Norrie's 4-Pack System (zip)

The preferred system is the "SixPack" 1.3 Beta 3 Release. It has:

- Uploaded 19-Jun-2018
- Several update to RSCS and supporting programs added
- Node name in bottom of screen
- V310 of Diag 58 (327x Full Screen Support) and LDF
- Upgraded GNU-C compiler.
- WATFIV installed on "Y" disk. See the WATFIVUG LISTING U2 for usage.
- A new front end for Fortran G removing reference to a University system.
- Fortran H is now also available as "FortranH"
- See readme-1_3.txt for full details

Please refer to the information on G4UGM's Vintage Computer Pages for detailed information about the various VM/370 Pack offerings.

> Also see
>
> New Users of Hercules Wanting a VM/CMS Environment
>
> by Greg Hartwig

Initial Setup

1. Download the VM/370 SixPack 1.3 Beta 3
2. Install or Build Hercules 4.0 (a.k.a. Hyperion)

Plan your working environment

This folder structure will encapsulate the isolated initial instance of the unloaded SixPack environment.

```
E:\EMULATION\VM370.6PACK.1.3.ORIG
├───batch
├───disks
│   └───shadows
├───io
└───WC3270
    └───html
```

Next to the above structure - set up a working structure that defines a workspace in which new code can be developed and tested.

```
E:\EMULATION\OPERATIONS.WORKSPACE
├──Development
├──Documentation
├──Distributions
├──Reference
├──Tapes
├──Tapes.Export
├──VM.Tools
└──_Sys.Utilities
```

Along with the distribution comes a "startup" batch file called `sixpack.cmd`. Because we will want to make modifications to, but retain original copies of the configuration files - we need to instantiate a slightly improved working environment.

The "out of the box" setup looks like this:

General User

E:\EMULATION\VM370.6PACK.1.3.ORIG │ diag58v310.aws │ dmstyp.fix.txt │ gcc.update.txt │ hercules.rc │ log.txt │ readme-1_2.txt │ readme-1_3.txt │ readme.1st │ readme2 │ rscs-fix.txt │ sixpack.cmd │ sixpack.conf │ sixpack.sh │ To_Do.txt │ ├──batch │ autologgcc.rc │ autologmaint.rc │ autorun.rc │ Batch.txt │ dummy │ dumpmini.bat │ dumpmini.rc │ dumpsrc.exec │ erasemini.bat │ erasemini.rc │ memtest.bat │ memtest.exec │ memtest.txt │ null.exec │ null.rc │ null.zip │ putcms.bat │ putcmsb.exec │ restmini.bat │ restmini.rc │ runcms.bat │ startcms.bat │ System380.txt │ termvm.rc │ VM380.cmd │ ├──disks │ │ mcat01.3350.cckd │ │ sysres.3350.cckd │ │ vm3350-1.141.cckd │ │ vm3350-2.241.cckd │ │ vm3350-3.34f.cckd │ │ vm3350-4.440.cckd │ │ vm3350-5.540.cckd │ │ vm3350-6.6f0.cckd │ │ │ └──shadows │ vm3350-11 │ vm3350-21 │ vm3350-31 │ vm3350-41 │ vm3350-51 │ vm3350-61 │ ├──io │ card.txt │ print1.prog1.listing │ └──WC3270 │ 3270.wc3270km │ catf.exe │ gcccms-3_2_3-8_5-exe.vmarc │ LICENSE.txt │ Model2.wc3270 │ Model4.wc3270 │ Model5.wc3270 │ NO-INSTALL.txt │ README-zip.txt │ sysprog.memo.txt │ wc3270.exe │ wc3270wiz.exe │ wpr3287.exe │ ws3270.exe │ x3270if.exe │ └──html Bugs.html Build.html FAQ.html Intro.html Keymap.html Lineage.html README.html ReleaseNotes.html Resources.html SSL.html wc3270-man.html wc3270-script.html Wishlist.html wpr3287.html ws3270-man.html x3270if.html

Before doing anything else, read the following documents:

> Read
>
> "What Mother Never Told You About VM Maintenance"
> by Melinda Varian is THE reference document, crucial to understanding why things work the way they do.

You may the proceed to Initial Startup