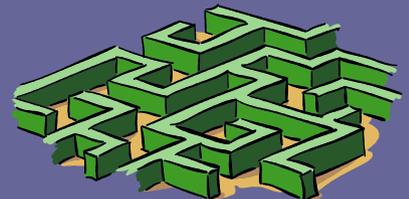


# *ArcaOS Tips, Tricks and Utilities*

Gregg Young

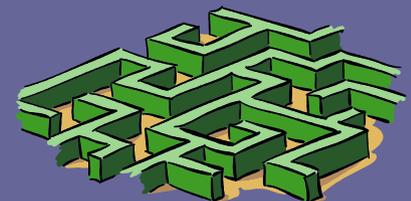
[ygk@qwest.net](mailto:ygk@qwest.net)

Warpstock EU 2018



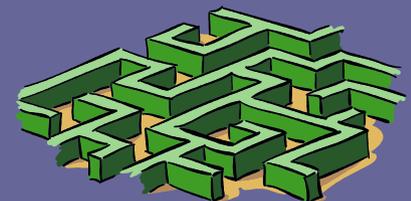
# *ArcaOS Install PreBoot menu*

- ➔ If you aren't using an external USB DVD drive
  - Set USB CD drives to 0
- ➔ If you have a driver trap
  - select edit config.sys and rem it out.
  - Alt-F2 and verbose boot



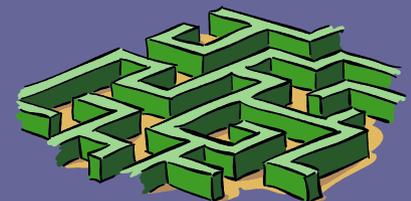
# ArcaOS Install

- ⇒ Stay away from GPT (LUKS) with OS2 disk tools if you want anything that is on the disk.
- Airboot and Dfsee have addressed this.
- ⇒ Peer Networking
- Make sure you install Netbios or Netbios over TCP/IP
- It can be used with Samba if you use Netbios



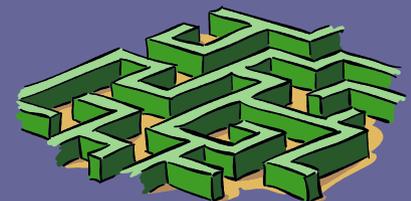
# Config.sys

- ⇒ Remove the drivers you don't need
  - PRINT01.SYS – Parallel port
  - IBM1FLPY.ADD – Floppy drives
  - USBPRT.SYS – USB printer
  - FAT32.IFS/CACHEF32.EXE – Fat 32
- ⇒ Don't remove duplicate USB base drivers
  - USBXHCD.SYS
  - USBEHCD.SYS
  - USBUHCD.SYS
  - USBOHCD.SYS



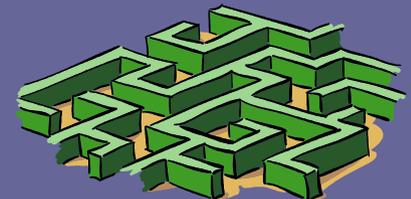
# Config.sys

- ⇒ Protect only (No Dos or Win 3)
- Network related V-drivers (and probably some others) are still install. -
- Dos.sys is still needed



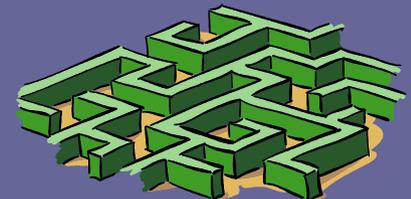
# Config.sys

- ➔ The Shell Game
- I use 4OS2 as my default shell
  - It has some problems with some VMREXX programs
  - ANPM install fails using it
  - ArcaMapper behaves badly with it.
  - It is not supported for Arca Noae drivers
  - It is easy to change back to CMD when I need to
  - We have the source so we can fix things
  - <http://trac.netlabs.org/4os2>



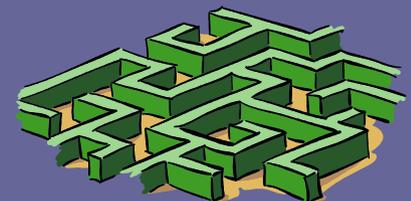
# Config.sys

- ⇒ Command line switches
- IFS=J:\OS2\BOOT\FAT32.IFS /CACHE:2048 /H /Q /AC:\* /LARGEFILES /EAS /FAT /EXFAT
  - /EAS is broken in the early .10 versions
  - /FAT gives you VFAT support (long names in FAT16)
  - /EXFAT – Experimental
    - Not available in the version shipped with ArcaOS
- BASEDEV=OS2AHCI.ADD /N /F
  - May speed drive access
- ⇒ VIRTUALADDRESSLIMIT
- 1024 – 3072



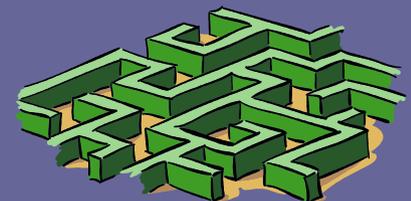
# Config.sys

- ➔ DOS what do I change/add
- DOS=LOW,NOUMB DOS=HIGH,UMB
  - Traps if DEVICE=H:\OS2\MDOS\VXMS.SYS /UMB is also set
- Add VCOMPAT.SYS
  - [http://hobbes.nmsu.edu/h-search.php](http://hobbes.nmsu.edu/h-search.php?key=vcompat&pushbutton=Search) ?  
key=vcompat&pushbutton=Search
- SHELL=PATH/4DOS.COM
  - <https://www.4dos.info/v4dos.htm>



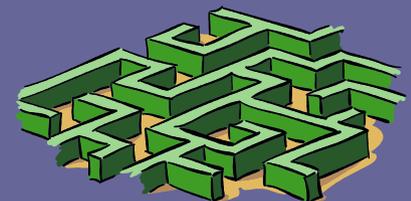
# Dos Video issues

- ⇒ VVGA.SYS
- /nodisplay /nowinbgnd /nowincmd /nowinnotify /dual /int10off /debug -
- ⇒ VSVGA.SYS /int10textgrfxsafe
- May need: mode co80 cls in Autoexec.bat
  - VVGA switches plus /bgexec /int10restoremode /int10restoremods /int10restorerregs /int10restorebank /int10bgndvgamode /noint10restoremode /noint10restoremods /noint10restorerregs /noint10restorebank /noint10bgndvgamode /int10textgrfxsafe -
- ⇒ VXGA.SYS



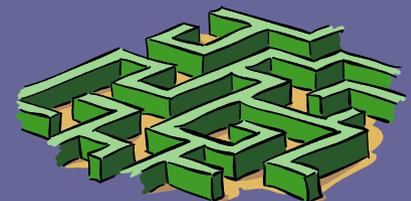
# *Dos Video issues*

- ⇒ On some systems you can open a full screen session and then switch to a window
- Some systems trap on opening full screen sessions of any kind.
- ⇒ Problems with WinOS2 windowed session can sometimes be fixed by changing the “Video” setting for the WinOS2 sessions



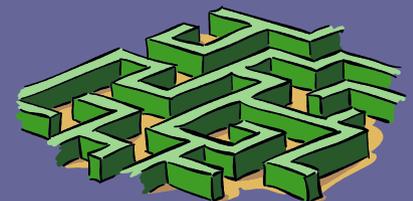
# *Config.sys Utilities*

- ⇒ Logical Config.Sys Sort, by Doug Bissett
- [http://hobbes.nmsu.edu/h-search.php](http://hobbes.nmsu.edu/h-search.php?key=lc&pushbutton=Search) ?  
key=lc&pushbutton=Search
- ⇒ Cfgtool
- [http://hobbes.nmsu.edu/h-search.php](http://hobbes.nmsu.edu/h-search.php?key=cfgtool&pushbutton=Search) ?  
key=cfgtool&pushbutton=Search
- Old but still makes some good suggestions



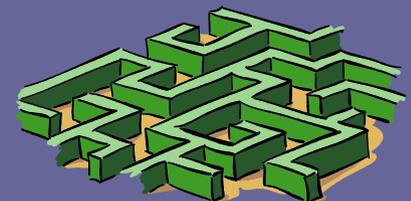
# *Mice*

- ⇒ Amouse vs Smouse
- ThinkPads
- ⇒ Multipt.exe
- WPCONFIG.DLL



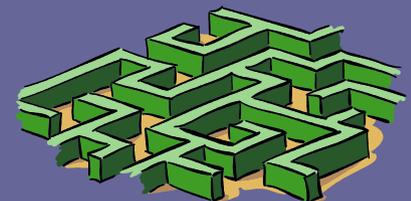
# A New Loader

- ➔ OS2LDR.CFG
- Can create a RAM disk above the 4 gig limit
  - RAMDISK = HPFS Z:
  - RAMDISKNAME = RamDisk
  - Use for Temp directory
    - RUN=X:\OS@\CMD.EXE /C md Z:\temp
    - Set TEMP=z:\temp
    - Set TMP=z:\temp
- Can limit memory use
  - MEMLIMIT = 512
  - Trap dumps



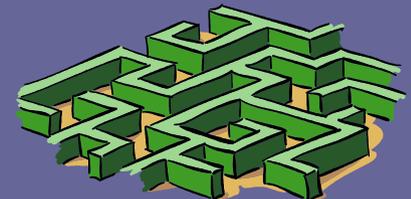
# *Xcenter*

- ⇒ ISwitcher plugin or stand alone
- Winlist if you use ISwitcher stand alone
- ⇒ Remove unused plugins
- XWLAN
  - Only needed for WIFI.
  - Doesn't unload when Xcenter is closed
  - Xcenter very slow in opening
  - Unlock rename restart desktop or reboot
- Part of Desktop process
- ⇒ Add to screen border



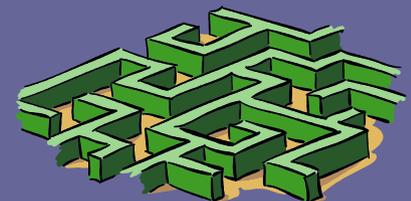
# ANXWP vs XWP

- ⇒ Reboot to options
- It works with Airboot but doesn't give a list of partitions -
- setboot /iba:"eCS-N"
- ⇒ Turbo Folders
- Changes the behavior of associations
- Assoedit
  - [http://hobbes.nmsu.edu/h-search.php](http://hobbes.nmsu.edu/h-search.php?key=assoedit&pushbutton=Search) ?
- Settings Object



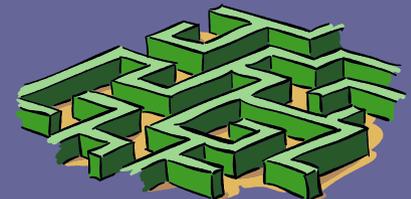
# ArcaMapper

- ➔ There are two ways to restart the Samba shares
- Use Netdrive's volume persistence (not Autostart)
  - Turn it on before mounting any drives
  - PersistentVolumeConfiguration = volumes.cfg
  - Unremark it in ?:\Programs\NDFS\ndctl.cfg
- Autostart minimized on startup means a visible rectangular window with a throbber annoyingly on the screen.
- Autostart generally manages to throw an error dialog about something failing to load
- Don't use both (Uninstalling Autostart fails)



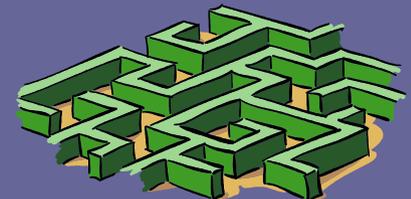
# *ArcaMapper*

- ⇒ Shares and/or Server not shown
- Update the hosts file to list all the servers before starting ArcaMapper
  - Need to make sure server always has same IP address
- Setup a local DNS
- ⇒ When using 4OS2 it hangs on rescan
- Kill the background samba process
- ⇒ Advanced mount options
  - All options are selected by default
  - They are mutually exclusive
  - Their location is unintuitive



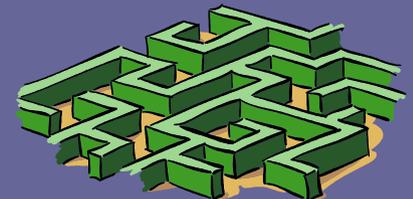
# ArcaMapper

- ⇒ Smb.conf
  - ArcaMapper doesn't load its setting from Smb.conf
  - It overwrites the existing Smb.conf if you save.
  - Verbose log files may quickly fill a volume
- ⇒ Network Printing isn't supported
  - Use the smb printer port (install with Print Manager)
  - Smbprint.exe doesn't work with parallel port at -  
tached printers
    - You can use Print.exe (os2 utility)
      - However it doesn't delete the spooled files which will fill the drive
      - Scheduled cmd to delete these



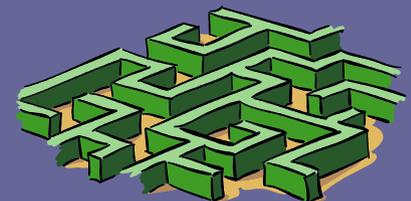
# *Highmem*

- ➔ Mozilla apps, AOO and ClamAV
- ➔ Highmem.exe (included with AOO)
- ➔ Exehdr.exe (Installed with ArcaOS)
- ➔ Warnings about stability
- ➔ Why not everything?



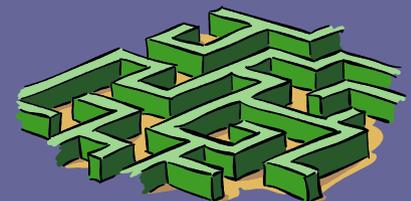
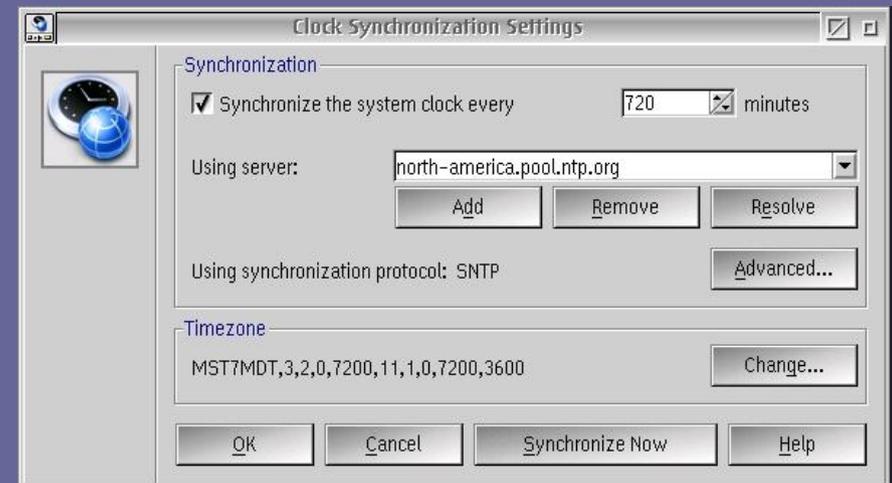
# *Hide floppy icons*

- ⇒ Drives folder properties
- Include tab
  - Add
    - Attribute: Object Title
    - Comparison type: is equal to
    - Comparison value: Drive A
  -
- Repeat for drive B
- ⇒ FM/2
- Add /AB %\* as command line parameters



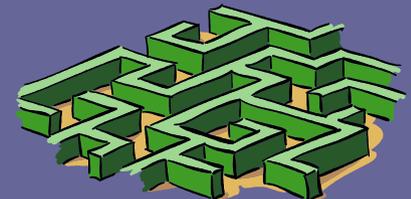
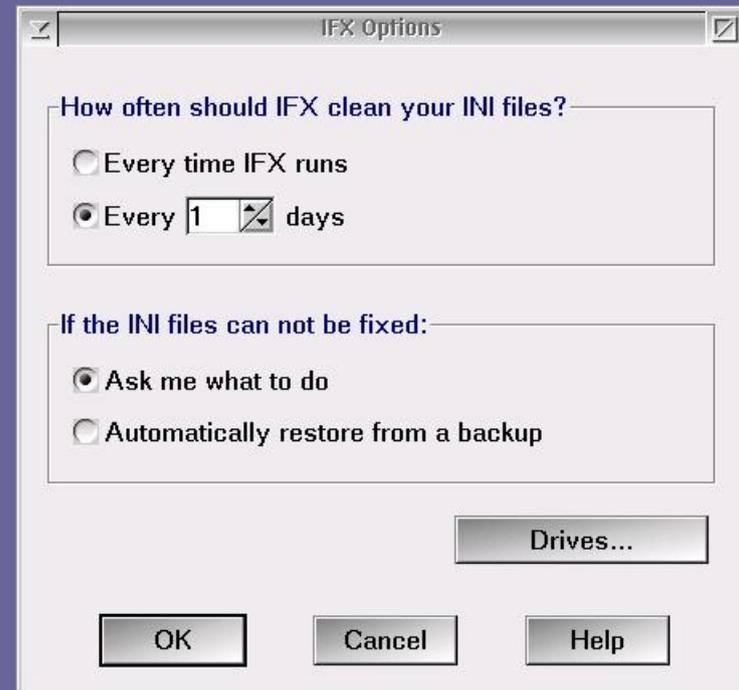
# Clock Sync

- The correct time
- Daytime as a backend
- Can use to update your time zone settings



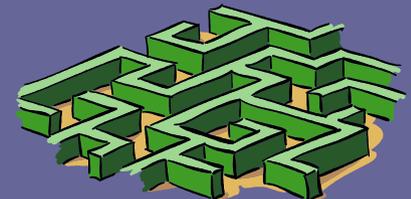
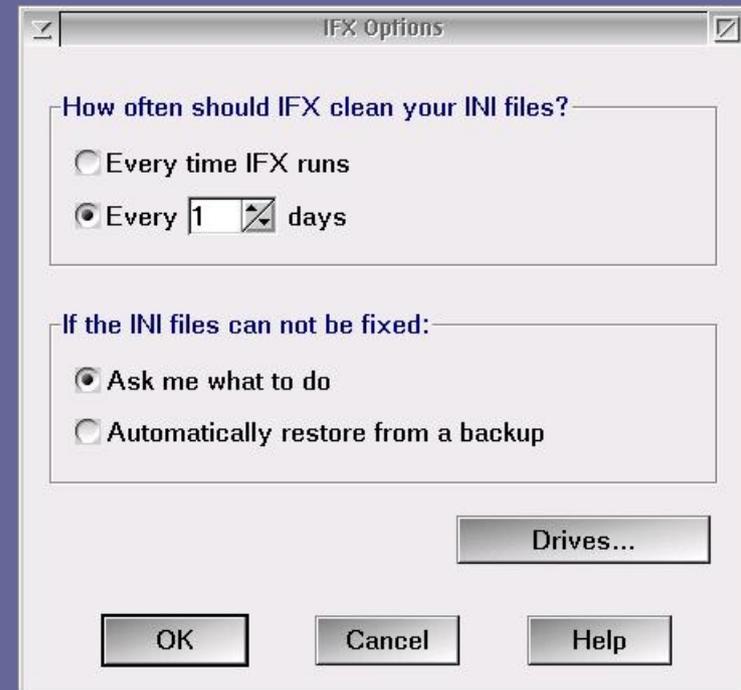
# IFX

- Cleans INI file handles
- Backup and restore
- Not a replacement for full featured INI cleaners/checkers



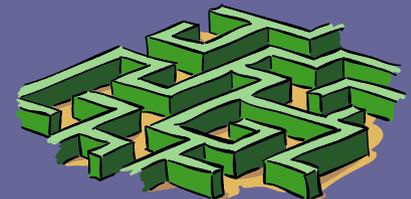
# IFX

- Cleans INI file handles
- Backup and restore
- Not a replacement for full featured INI cleaners/checkers
- Checkini



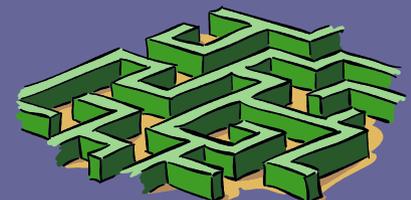
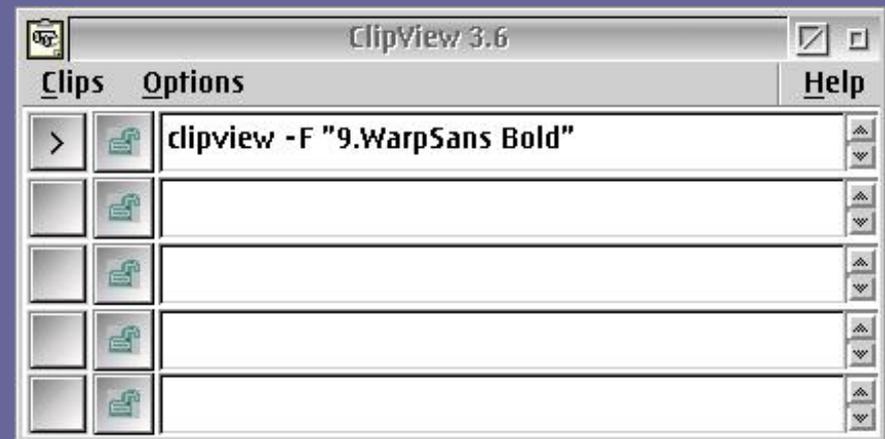
# INI file checkers

- ⇒ Checkini
  - <http://hobbes.nmsu.edu/h-search.php?key=checkini&pushbutton=Search> ?
- ⇒ Cleanini
  - <http://hobbes.nmsu.edu/h-search.php?key=cleanini&pushbutton=Search> ?
- ⇒ UniMaint
  - <http://jaread.net/software/pages/download.html>
- ⇒ RWS
  - <http://hobbes.nmsu.edu/h-search.php?key=rws080&pushbutton=Search> ?



# Useful Utilities

- Clipview
- Screen Capture utility
- Gotcha
- Simple Calendar
- Lswitcher
- NCFTP



Thank You

