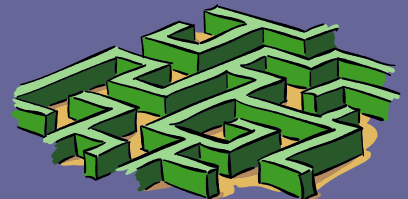


ArcaOS Tips, Tricks and Utilities

Gregg Young
ygk@qwest.net
Warpstock EU 2018



ArcaOS Install PreBoot menu

- ⇒ If you aren't using an external USBDVD 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



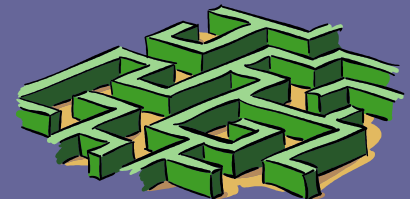
ArcaOS Install

- ⇒ 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



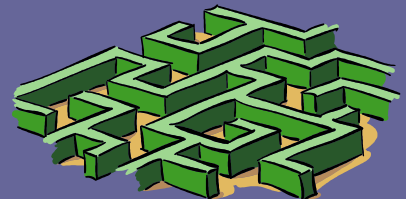
Config.sys

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



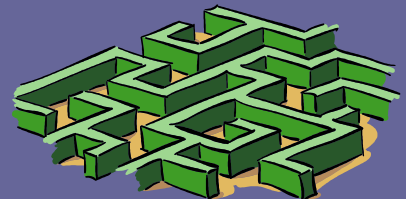
Config.sys

- ➔ 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>



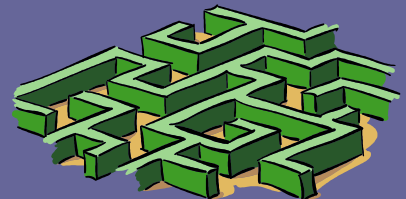
Config.sys

- ➔ 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

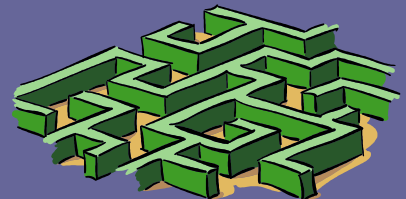
⇒ VVGA.SYS

- /nodisplay /nowinbgnd /nowincmd /nowinnotify /display /int10off /debug -

⇒ VSVGA.SYS /int10textgrfxsafe

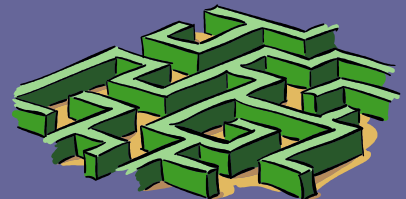
- May need: mode co80 cls in Autoexec.bat
 - VVGA switches plus /bgexec /int10restoremode /int10restoremods /int10restorerregs /int10restorebank /int10bgndvgamode /noint10restoremode /noint10restoremods /noint10restorerregs /noint10restorebank /noint10bgndvgamode /int10textgrfxsafe -

⇒ VXGA.SYS



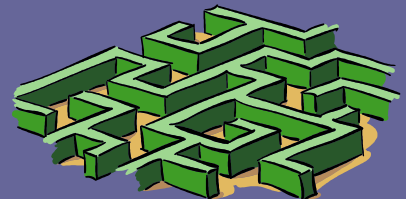
Dos Video issues

- ⇒ 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



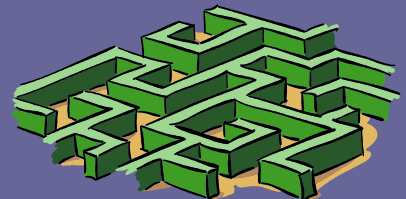
Mice

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



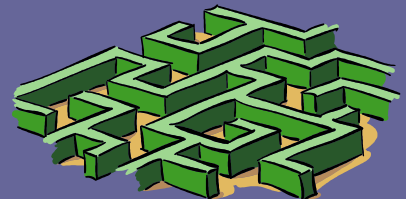
A New Loader

- ⇒ 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



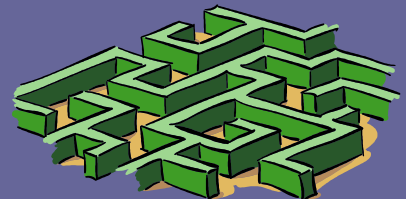
Xcenter

- ⇒ 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 boarder



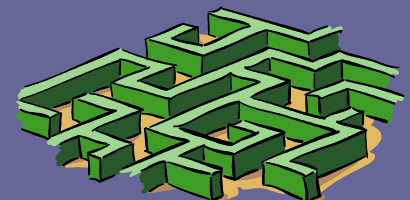
ANXWP vs XWP

- ⇒ 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



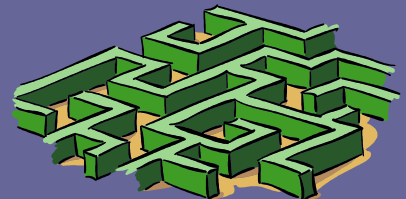
ArcaMapper

- ➔ 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)



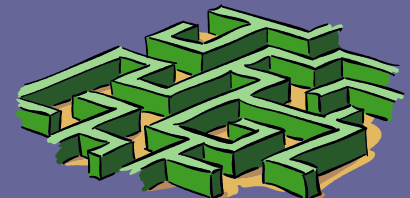
ArcaMapper

- ⇒ 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



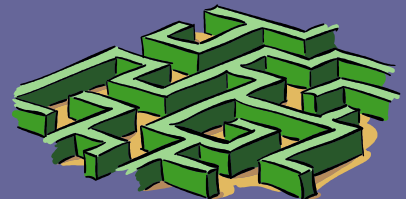
Highmem

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



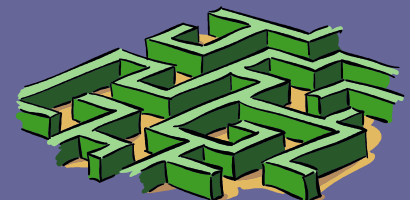
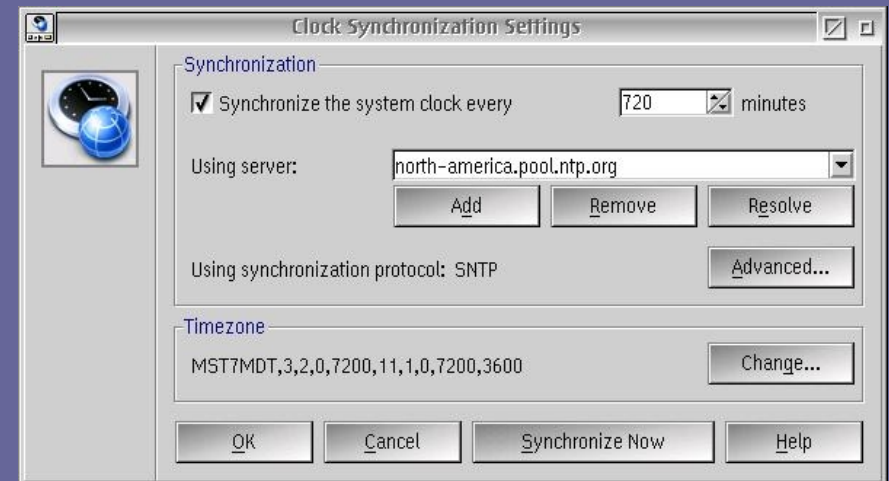
Hide floppy icons

- ⇒ 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



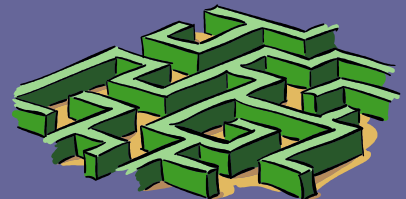
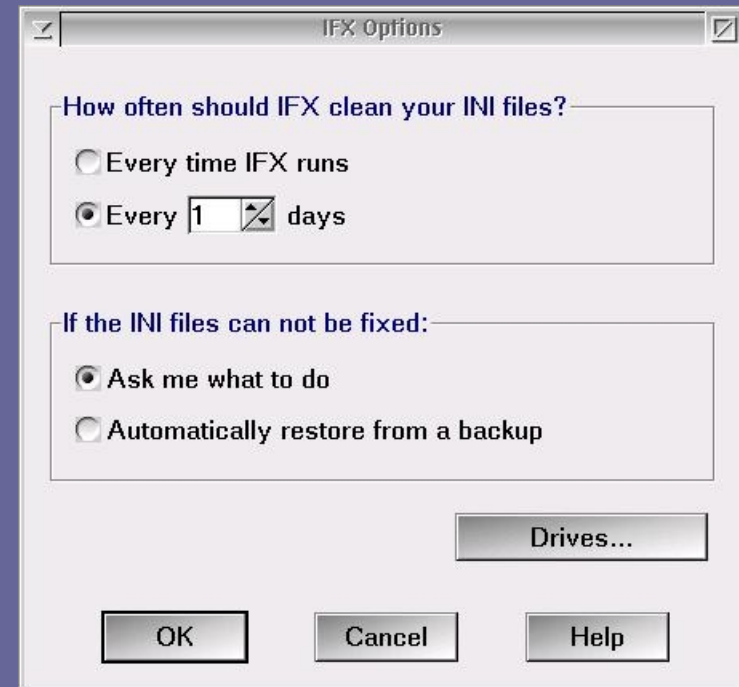
Clock Sync

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



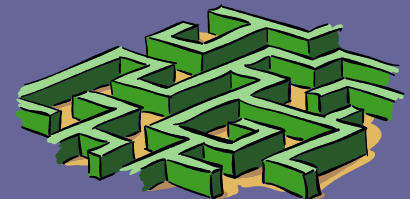
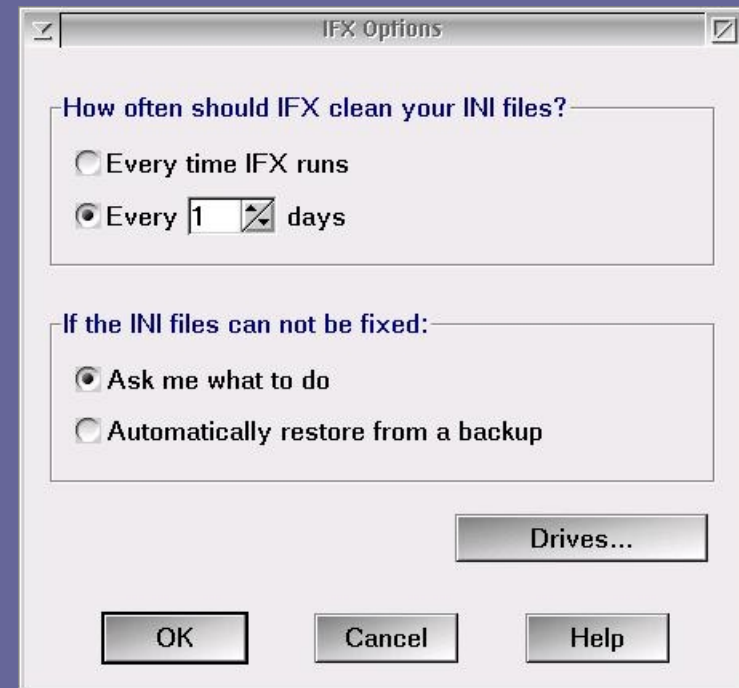
IFX

- ➔ 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](http://hobbes.nmsu.edu/h-search.php?key=checkini&pushbutton=Search) ?
key=checkini&pushbutton=Search

⇒ Cleanini

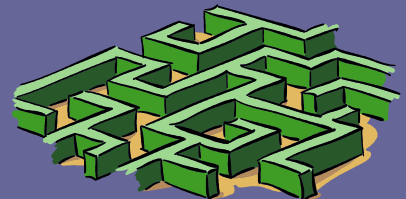
- [http://hobbes.nmsu.edu/h-search.php](http://hobbes.nmsu.edu/h-search.php?key=cleanini&pushbutton=Search) ?
key=cleanini&pushbutton=Search

⇒ UniMaint

- <http://jaread.net/software/pages/download.html>

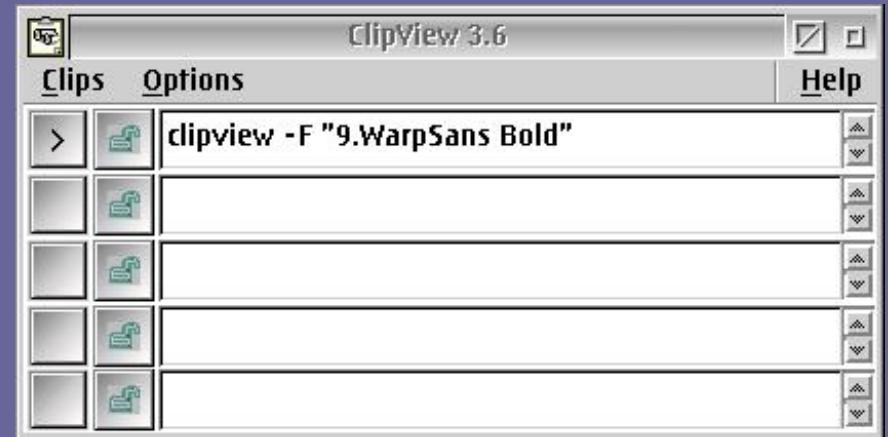
⇒ RWS

- [http://hobbes.nmsu.edu/h-search.php](http://hobbes.nmsu.edu/h-search.php?key=rws080&pushbutton=Search) ?
key=rws080&pushbutton=Search



Useful Utilities

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



Thank You

