Rexx in OS/2/ArcaOS

Dutch OS/2 VOICE foundation

Introduction

- Roderick Klein been using OS/2 for 24 years
- Candy dispenser running OS/2, rexx scripts for order processing (intermediate vocational education)
- 15 years chairman of Dutch VOICE foundation
- Worked at Mensys B.V. 12 years in Haarlem.
 - European OS/2 specialist.
 - Company used and is using rexx scripts everywhere!
 - Worked on eCS (eComstation) for 10 years
 - REXX is used in a lot of places

Rexx in OS/2, tools/programs developed!

- Semi end user perspective.
- REXX in OS/2 had/has a big influence on the platform/
- REXX libraries from IBM such as DB2 for OS/2.
- REXX GUI tools GPF-REXX, VX-REXX
- Large companies get REXX developed applications
 - France Telecom ran more then 100.00 PC's with sales application written in Object Rexx (not certain).
- Third party applications such as
 - Mesa spreadsheet from Sundial software, rexx interface.
 - IMPOS/2 from import (resize images from rexx script).
 - PMFAX for OS/2 with REXX interface

REXX at Mensys B.V.

- Webshop use in conjunction with Netdata/webshop.
- Price lists imported with DB2 DLL via Rexx.
- DB2 front CRM system written in GPX rexx.
 - REXX scripts to create report for accountant.
 - Print invoices with Vispro reports
 - Prepare faxes: fill in creditcard approval forms (before it was possible via web portal!).
 - Process credit card payments with CURL and rexx.
 - Resize images with IMPOS2 for webserver.
 - Control CD burn robot and key number generators
 - Send mailings to customers

eComStation and REXX

- OEM of OS/2 Serenity Systems->Mensys->Xeu
- REXX does a lot, worked on some of the code:
 - CID backend for installer GUI.
 - OS/2 migration code desktop and system
 - Start all the other install backends such as RSPINST/MPTS.
 - MINSTPM (GUI for minstall replacement).
 - EVFSGUI (Netdrive/Samba)
 - Archive Viewer
 - eCups (CUPS printer wizard).
 - I con themes tool (manage i cons).
 - Discresizer (DFSEE front end).
 - Timeset
 - lmsync (sync protocol.ini/ibmlan.ini)

Dutch OS/2 VOICE foundation

- Left Mensys in 2013, time for something different.
- ArcaOS push to move on!
- Organises the yearly Warpstock Europe conference
- Distribute OS/2 news
- Fund open source software development.
 - Browser almost ready QT webkit based!
 - Rexx projects?

ArcaOS, OS/2 moves on...

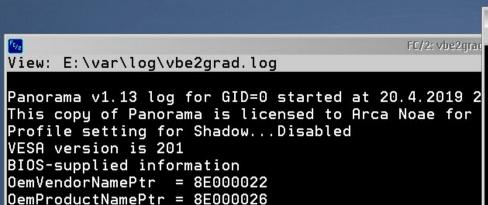
- ArcaOS new current OS/2 distribution, active development.
- Small subset of private users who write REXX scripts for fun.
- More development on OS/2 to run on bare metal:
 - USB 3.0 released
 - UEFI in development (public demo).
 - ACPI compliant driver
 - New browser in development out this year.
 - Open Office, CUPS support

REXX in ArcaOS

- CID backend completely in REXX again for installers
- MPTS replaced by NAPS (rexx NIFUTIL.DLL
- Print manager (rexx RXPRTUTL.DLL)
- AMPM (Arca Noae Packager Manager, RPM repos).

ArcaOS UEFI proof of concept.

- Preloading OS/2 system files via UEFI disc services before ArcaOS boots (INT 13 not used)
- Display text output during ArcaOS boot.
- Full screen and OS/2 text window works
- Example low level support: text TRAP screen
- PM SHELL loads with DIVE support working.
 (Next screenshot)



BIOS-supplied information

OemVendorNamePtr = 8E000022

OemProductNamePtr = 8E000026

VideoModePtr = 8E000034

TotalVramSize = 500000

OemVendorName = AOS

OemProductName = UEFI boot

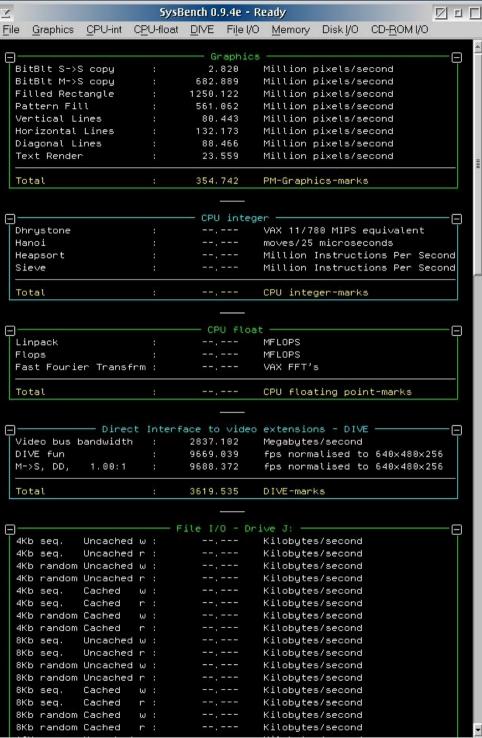
Get EDID failed

VBE VRAM Base=E0000000 Size=500000 (5120Kib) (round L Mode 0x140: 1280x1024x32bpp planes=1 Attr=0xDB Video Aperture: Base=0xE0000000 Size=0x500000 Round ⊟ Shadow buffer is not defined! - 0

5P image viewer v1.29.5

7 0





Future of OS/2 and REXX

- While some people are running OS/2 in VM you can run on bare metal. Seems for now that will remain possible.
- New browser coming

Questions!?

- Interested sponsoring software development?
- REXX projects?
- Questions!?
- I am not an professional software developer.