

APP03

Using the Netlabs EPM Distribution

Get ready for the new EPM !

Overview (I/II)

- Create your own NEPMD environment
 - Installation
 - NEPMD directory tree / backup/restore of own extensions
 - Recompile
 - dynamic configuration
 - standard EPM configuration
- The extended EPM window
- The EPM mode

Overview (II/II)

- Loading files
- Edit extensions
- Your Questions

Installation/Deinstallation

Installation

- WarpIn restrictions
 - package dependencies
 - remove database entries manually
- Dynamic configuration
 - extending the EPM environment
 - main environment file supplied with NEPMD
 - user environment file can be added by user

Extended NEPMD directory tree

NEPMD directory tree

Overview

- NEPMD creates three subdirectories
 - epmbbs (original EPMBBS distribution)
 - netlabs (additions/replacements of NEPMD)
 - myepm (empty by default, contains your additions)
- Do not add files to - or modify files in - epmbbs or netlabs subdirectory tree, only in **myepm** !

NEPMD directory tree

Backup and Restore of own extensions

- Easy backup and restore of myepm directory only
- Can be moved among NEPMD installations of same versions
- On restore a recompile of EPM is recommended if
 - a newer version of NEPMD is used and
 - E macro sources are included

Recompile Support

Recompile Support (I/II)

- Recomp GUI can be called from
 - the NEPMD WPS folder
 - the EPM menu
- resulting EPM.EX is written to myepm\ex only !
- Optional:
 - handling of unsaved files
 - several reload options

Recompile Support (II/II)

- In current release the following may happen
 - logfile or errant file is not loaded
 - reload of files does not work properly
- These problems may result out of
 - bugs in NEPMD (you never know...)
 - timing problems within the E Toolkit runtime !
- Workaround: exit the recompile, possibly restart
Recompile utility

Dynamic configuration

Dynamic configuration (I/III)

- NEPMD loader executable
 - same name as EPM.EXE: must reside in PATH before true EPM
- All GUI programs load the extended environment
 - NEPMD loader executable (EPM.EXE)
 - Recompilation Support Utility (RECOMP.EXE)
- NEPMD environment is easily extendible by user

Dynamic configuration (II/III)

- **Environment files**
 - contain definitions like `MYVAR=MYVALUE`
 - support variable replacement
 - are no batch files !
 - Should be handled with care, can break NEPMD functionality
- Don't modify `netlabs\bin\epm.env`, instead create `myepm\bin\epm.env` !

Dynamic configuration (III/III)

- Environment file search order
 - main file is one of:
 - `<exec_dir>\<exec_name>.env`
 - `<nepmd_dir>\netlabs\bin\<exec_name>.env`
 - `<nepmd_dir>\netlabs\bin\epm.env`
 - user file is one of
 - `.\<exec_name>.env` (current directory !)
 - `<nepmd_dir>\myepm\bin\<exec_name>.env`
 - `<nepmd_dir>\myepm\bin\epm.env`

Standard EPM configuration

Standard EPM configuration

- Font settings
 - edit window, status line, message line
- Colors
- Autosave path
- Toolbar settings

The extended EPM window

The extended EPM window

- Following controls extended:
 - titlebar - including modification status
 - status line - containing the EPM mode name
 - menu - lots of new entries
- All is intended to become configurable by a GUI in future versions of NEPMD !

The EPM mode

The EPM mode

- Replaces old scheme for filetype recognition
- Attributes attached to mode
 - syntax highlighting, tabs and margin settings, keysets
- Automatically determined, displayed in statusline, can be overridden by the **mode** command
- Some mode attributes can already be user defined and/or modified
 - all will be configurable in future NEPMD releases

Loading files

Loading files

- Extended load handling with
 - automatic EPM mode recognition
 - uses all attributes of a mode for a loaded file
 - support for environment variables
 - on EPM commandline
- workaround for REXX EA bug
 - E Toolkit traps on EA size > 32 Kb
 - NEPMD deletes the REXX EAs to avoid the trap

Edit extensions

Edit extensions (I/III)

- Editing specials
 - handling for Home and Enter keys
 - bracket balance handling
 - exchange lines/chars
 - toggle case
 - scroll through undo history per keys
 - Scroll Lock

Edit extensions (II/III)

- Lots of new keyboard accelerators
 - too many to name here...
- Extended mouse handling
 - workaround for the marking bug
 - URL recognition
 - mouse style

Edit extensions (III/III)

- Locate functions
 - local and global search and replace
 - toggle search direction
 - extended grep command
 - more EPM editing functions
 - assist (find matching begin/end)
 - using tags

Special EPM functions

Special EPM functions

- Widely unknown functions from EPM(BBS):
 - assist (find matching begin/end)
 - using tags
 - keyboard macro record and playback
 - reflow
 - overlay/adjust mark
 - cursor and mark stack (save/restore cursor/mark)
 - expand

Your questions ?

**Thank you very much
for your attention !**

See
The Netlabs EPM Distribution
(and us) during
Warpstock Europe 2002
at the booth of
Team OS/2 Germany