

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

- Warpln 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