OLE_Server

COLLABORATORS

	TITLE : OLE_Server		
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WRITTEN BY		August 9, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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OLE_Server

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 UNICONIFY
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1.2   first of all

```
/*
 *  These strings will be used in most requesters.
 */
ver_TAG = "$VER: OLE_Server 1.13 (10.Feb.1995)"
tit_TAG = ' OLE Server'

CALL  IniLibs ()

/*
 *  Bring up a message to inform the user that the server
```

```
 *  is starting correctly.
 */
CALL PostMsg(100,100,'\' || LEFT(tit_TAG || ':',40) || '\')
```

1.3 server lists

```
/*
 *  These lists are used by the server in order to take track of
 *  the execution of each  job .
 *
 *  module.0      = max number of jobs currently running
 *  module.jobID.0   =  modules  in the job number jobID
 *  module.jobID.modID = file name for the module modID in the job jobID
 *  module.path    = path where all OLE modules are stored
 */
module.  = ''; module.path = 'OLE:'

/*
 *  Each module may have more than one startup mode.
 *
 *  status.jobID.modID  = startup mode (default = '')
 */
status.  = ''

/*
 *  Each module may have a localization file and/or a particular
 *  user configuration. These lists are initialized by the appropriate
 *  procedures:  ReadLocale () and  ReadConfig ().
 *
 *  locale.path, config.path = path for localization and configuration files
 */
locale.  = ''; locale.path = 'OLE:Catalogs/'
config.  = ''; config.path = 'OLE:Prefs/'

/*
 *  Each job gets a set of objects:
 *  An IDCMP used to put out a GUI, a clip used to pass arguments from
 *  the server and a module, a pipe channel used for datas interchange
 *  between two modules.
 *  In any case the olepipe may be a clip with the same function.
 *  In addition each job has own userport and userscreen information.
 *
 *  olewin.jobID    = IDCMP for the job number jobID
 *  olewin.jobID.0   = modID of the window owner for job jobID
 */
olewin.  = 'OLE_WIN'    /*
oleclip. = 'OLE_CLIP'    *  default values without indexes
olepipe. = 'OLE_PIPE'    */

/*
 *  Each module may open a message port where will arrive messages
 *  either from the GUI or from another module.
 *
 *  oleport.jobID.modID = message port for module.jobID.modID
 */
```

```
oleport. = 'OLE_HOST'

/*
 *  This list record the progress indicator status for each job.
 */
oleind.  = 0

/*
 *  These lists store the caller environment, for each job.
 */
userport.   = 'REXX'
userscreen. = 'Workbench'
```

1.4 localization, configuration, message port

```
/*
 *  In order to have the same procedures that manage all lists,
 *  the OLE server itself is treted as a module.
 *
 *  The server process has jobID = 0 and modID = 1.
 *  The following lines take care of the server correct start up.
 */
module.0  = 0
module.0.0  = 1
module.0.1  = 'OLE.rexx'
olewin.0  = 'OLE_IDCMP'
oleport.0.1 = 'OLE_SERVER'

/*
 *  Load the server localization and configuration files
 */
CALL  ReadLocale (0,1)
CALL  ReadConfig (0,1)
CALL PostMsg(,,'\' || tit_TAG || GetLocale(0,1,8))

/*
 *  Now we can try to open the server message port
 */
IF ~OPENPORT(oleport.0.1) THEN DO
  CALL PostMsg()
  /*
   *  In case of OPENPORT() fails, a requester will inform the user
   *  before exiting.
   */
  CALL RTezRequest( GetLocale (0,1,'ERR_1',oleport.0.1),GetLocale(0,1,'OK3'), ←
    tit_TAG)
  EXIT 20
  END
```

1.5 global variables, gui lists

```
/*
 *  Read the variables stored in the configuration file
 */
CALL  GetServerConfig ()

/*
 *  When a module ask the server to open a new window,
 *  these lists store the given parameters.
 *  These lists are usefull for commands like UNICONIFY
 *  that produce temporary modifications in the modules windows.
 *
 *  winw.jobID  = window width for the job jobID
 *  winh.jobID, winl.jobID, wint.jobID, boxw.jobID, boxh.jobID
 *  are, in order, window height, left corner, top corner,
 *  width and height for the gadgets area.
 */
winw. = 120; winh. = win.bt; winl. = 130; wint. = 0
boxw. = 0; boxh. = 0

/*
 *  We could decide that our progress indicator is too small.
 *  Changing this value in the right range, we will be able to make
 *  it heigher.
 */
oleind.hei = 20      /* min = 18  max = 100 */

/*
 *  Each job may open windows with custom flags sets
 *
 *  idcmp.0 and flags.0 are reserved for the server
 */
idcmp. = "MENUPICK CLOSEWINDOW GADGETUP"
flags. = "WINDOWDRAG WINDOWDEPTH WINDOWCLOSE ACTIVATE"
```

1.6 server control window

```
/*
 *  This are the server window parameters
 */
idcmp.0.1 = "MENUPICK"
flags.0.1 = "WINDOWDRAG WINDOWDEPTH"

/*
 *  Start the intuition host for the OLE Server,
 *  in case of failure exit.
 */
CALL PostMsg(,,GetLocale(0,1,9))
IF ~ NewWindow (0,1,tit_TAG) THEN DO
  CALL PostMsg()
  EXIT 10
  END
```

1.7   main loop and commands execution

```
CALL PostMsg()
rt_TAG  = 'rtez_flags=ezreqf_centertext'
/*
 *  Here is the main loop. Here the OLE server wait for commands either from
 *  the OLE startup scripts and from modules. Every message just arrived at
 *  the server port is parsed to extract commands and their parameters.
 *  Each commands is executed before returning control to the caller.
 *
 *  The end-of-loop condition is the command 'QUIT'
 */
DO UNTIL cmd = 'QUIT'

  CALL WAITPKT(oleport.0.1)
  pkt = GETPKT(oleport.0.1)

  IF pkt == NULL() THEN ITERATE

  /*
   *  Extract command string, jobID, modID and arguments.
   *  Execute the command.
   */
  PARSE VALUE GETARG(pkt) WITH cmd jobID modID argv
  SELECT

     COMPLETE
     SETJOB
     ICONIFY
     UNICONIFY
     WINDOW
     INFO
     CONFIG
     NEWJOB
     NEWPREFS
     ABOUT
     ERROR
     QUIT

    OTHERWISE DO

      cmd = GETARG(pkt,0)
      DO i = 1 TO 15
        cmd = cmd || '0A'x || GETARG(pkt,i)
      END
      CALL RTezRequest( GetLocale (0,1,'ERR_3',cmd),GetLocale(0,1,'OK3'),tit_TAG)
    END
  /*
   *  end of SELECT
   */
  END
  CALL REPLY(pkt,0)
/*
 *  end of DO
 */
END
```

1.8   free all, clean all and exit

```
/*
 *  free all user jobs, closing all ports, deleting all...
 */
DO i = 1 TO module.0
  IF module.i.0 ~= '' THEN CALL  FreeJob (i)
END

/*
 *  Close the server message port
 */
CALL CLOSEPORT(oleport.0.1)

CALL FreeJob(0)

EXIT 0
```

1.9   getlocale()

```
/*
 *  string = GetLocale(jobID,modID,stringID,...)
 *
 *  This procedure differ from that used for all others modules because
 *  of its ability to read from every localization clip.
 *
 *  In addition here I can use preformatted strings:
 *
 *    text = GetLocale(0,1,'ERR_1',oleport.3.2)
 *
 *    the procedure search for a message associated with strID=ERR_1,
 *    if there is a "%s" in it then the procedure will replace that
 *    symbol with the string contained in the variable oleport.3.2;
 *    each occurrance of the symbol "%s" will be replaced with a given
 *    string in the argument list.
 *
 *  "Hello, %s!!!" + "World" ==> "Hello, World!!!"
 */
GetLocale: PROCEDURE EXPOSE locale.
ARG jobID,modID,strID

  IF strID = '' THEN RETURN ''
  strID = 'þ'strID'þ'; PARSE VALUE GETCLIP(locale.jobID.modID) WITH (strID)text'Þ'

  DO i = 4
    PARSE VAR text text '%s' clip
    IF clip = '' THEN BREAK
    text = text || ARG(i) || clip
  END

RETURN text
```

1.10   drawborder()

```
/*
 *  DrawBorder(x1,y1,x2,y2,type)
 *
 *  This procedure is used to build the progress indicator, drawing a 3D
 *  border in a module window.
 *
 *  x1, y1, x2, y2 are all referred to the gadgets area of the window
 *  type = 0,1,2 for NONE, OUT, IN
 */
DrawBorder:

  IF ARG(5) = 0 THEN RETURN

  x1 = win.bl + ARG(1); y1 = win.bt + ARG(2)
  x2 = win.bl + ARG(3); y2 = win.bt + ARG(4)
  CALL Move(olewin.jobID,x1,y2)
  CALL SetAPen(olewin.jobID,3 - ARG(5))
  CALL Draw(olewin.jobID,x1,y1); CALL Draw(olewin.jobID,x2,y1)
  CALL SetAPen(olewin.jobID,ARG(5))
  CALL Draw(olewin.jobID,x2,y2); CALL Draw(olewin.jobID,x1,y2)

RETURN
```

1.11   setoleind()

```
/*
 *  percent = SetOleInd(percent)
 *
 *  procedure to draw and update a progress indicator
 */
SetOleInd:

  x1 = win.bl + 12; y1 = win.bt + 8
  x2 = boxw.jobID - 24; y2 = win.bt + oleind.hei - 8
  CALL SetAPen(olewin.jobID,0)
  CALL RectFill(olewin.jobID,x1,y1,x1 + x2,y2)
  CALL SetAPen(olewin.jobID,oleind.color)
  CALL RectFill(olewin.jobID,x1,y1,x1 + ARG(1) * x2 % 100,y2)

RETURN ARG(1)
```

1.12   readlocale()

```
/*
 *  ReadLocale(jobID,modID)
 *
 *  This procedure load the localization file of a module and
 *  store it in the clipboard area.
 *
 *  The english localization is always loaded to provide those string
```

```
 *  not translated yet from other languages.
 */
ReadLocale: PROCEDURE EXPOSE module. locale.
ARG jobID,modID

  /*
   *  localization file name
   */
  locale = module.jobID.modID || '.catalog'
  /*
   *  localization clip name, this will contain all strings
   */
  locale.jobID.modID = locale || '_' || jobID

  clip = ''
  IF OPEN(loc,locale.path || 'english/' || locale,'R') THEN DO
    /*
     *  The value of 20000 is used to read the entire file.
     *  Don't forget that the largest clip must be of 64k.
     */
    clip = READCH(loc,20000)
    CALL CLOSE(loc)
    END

  IF GETENV('language') ~= 'english' THEN
    IF OPEN(loc,locale.path || GETENV('language') || '/' || locale,'R') THEN DO
      clip = READCH(loc,20000) || clip
      CALL CLOSE(loc)
      END

  CALL SETCLIP(locale.jobID.modID,clip)

RETURN
```

1.13 readconfig()

```
/*
 *  ReadConfig(jobID,moduleID)
 *
 *  This procedure load the configuration file of a module and store
 *  it in the clipboard area.
 */
ReadConfig: PROCEDURE EXPOSE module. config.
ARG jobID,modID

  /*
   *  configuration file name
   */
  config = module.jobID.modID || '.prefs'
  /*
   *  configuration clip name
   */
  config.jobID.modID = config || '_' || jobID

  IF OPEN(cfg,config.path || config,'R') THEN DO
```

```
    CALL SETCLIP(config.jobID.modID,READLN(cfg))
    CALL CLOSE(cfg)
    END

RETURN
```

1.14   writeconfig()

```
/*
 *  WriteConfig(jobID,modID)
 *
 *  Every module update its configuration clip when the user change
 *  anything. At any time user can save the new configuration.
 *  This procedure take the configuration clip of the given module
 *  and save it in the appropriate file.
 */
WriteConfig: PROCEDURE EXPOSE module. config. locale.
ARG jobID,modID

  IF ~SHOW('C',config.jobID.modID) THEN RETURN

  /*
   *  configuration file name
   */
  config = module.jobID.modID || '.prefs'

  IF OPEN(cfg,config.path || config,'W') THEN DO
    CALL WRITELN(cfg,GETCLIP(config.jobID.modID))
    CALL CLOSE(cfg)
    END

  /*
   *  inform the user in case of OPEN() fail
   */
  ELSE CALL RTezRequest( GetLocale (0,1,'ERR_4',config),GetLocale(0,1,'OK4'), ↩
    tit_TAG)

RETURN
```

1.15   freejob()

```
/*
 *  FreeJob(jobID)
 *
 *  This procedure remove a job from the server lists
 */
FreeJob:
ARG jobID

  /*
   *  Quit the IDCMP of the given job
   */
```

```
IF SHOW('P',olewin.jobID) THEN CALL Quit(olewin.jobID)

/*
 *  Free all objects allocated for each module and send the 'QUIT'
 *  command to all still running.
 */
DO i = 1 TO module.jobID.0

  IF SHOW('P',oleport.jobID.i) THEN INTERPRET 'ADDRESS' oleport.jobID.i 'QUIT'

  CALL SETCLIP(locale.jobID.i,'')
  CALL SETCLIP(config.jobID.i,'')
END

/*
 *  Is not necessary to reset all variables,
 *  we don't care about winw.jobID ...
 */
module.jobID.0 = ''
CALL SETCLIP(oleclip.jobID,'')

RETURN
```

1.16 inimodule()

```
/*
 *  IniModule(jobID,modID)
 *
 *  prepare the execution of a new module
 *  free an entire job if it is terminated
 */
IniModule:
ARG jobID,modID

  IF module.jobID.modID = '' THEN DO
    CALL  FreeJob (jobID)
    RETURN
    END

  IF SHOW('P',oleport.jobID.modID) THEN RETURN

  CALL  ReadLocale (jobID,modID)
  CALL  ReadConfig (jobID,modID)

  clip = jobID modID ,
         win.bl win.bt win.fontw win.fonth ,
         olewin.jobID oleport.0.1 oleport.jobID.modID ,
         userscreen.jobID userport.jobID olepipe.jobID ,
         locale.jobID.modID config.jobID.modID status.jobID.modID

  CALL  RunModule (module.path || module.jobID.modID,oleclip.jobID,clip)

RETURN
```

1.17   runmodule()

```
/*
 *  launch the execution for the given external module
 *
 *  RunModule(modulename,startupclipname,clipcontent)
 */
RunModule:

  CALL SETCLIP(ARG(2),ARG(3))
  ADDRESS COMMAND 'Run >NIL: Rx "CALL' "'" || ARG(1) || "'" || '(' || ARG(2) || ')' ←
    "'


RETURN
```

1.18   newwindow()

```
/*
 *  procedure to open a new window
 *
 *  BOOLEAN = NewWindow(jobID,modID,title)
 */
NewWindow:
ARG jobID,modID

  /*
   *  create a new intuition host if it doesn't exists
   */
  IF ~SHOW('P',olewin.jobID) THEN DO
    CALL  RunModule ('New_Host.rexx',oleclip.jobID,olewin.jobID'.'oleport.0.1','  ←
      userscreen.jobID',')
    IF ~ Wait _For_Port(olewin.jobID) THEN DO
      CALL RTezRequest( GetLocale (0,1,'ERR_2',olewin.jobID),GetLocale(0,1,'OK2'),  ←
        tit_TAG)
      RETURN 0
      END

      /*
       *  adjust menu background and borders colors
       */
      CALL SetReqColor(olewin.jobID,"BLOCKPEN",2)
      CALL SetReqColor(olewin.jobID,"DETAILPEN",1)
    END

  ELSE CALL CloseWindow(olewin.jobID,"CONTINUE")

  CALL OpenWindow(olewin.jobID,winl.jobID,wint.jobID,winw.jobID,winh.jobID,idcmp. ←
    jobID.modID,flags.jobID.modID,ARG(3))
  CALL SetFont(olewin.jobID,win.font,win.fonth)
  CALL SetDrMd(olewin.jobID,'JAM1')
  CALL AddMenu(olewin.jobID,ARG(3))

  olewin.jobID.0 = modID
  IF jobID = 0 THEN DO
```

```
      CALL AddItem(olewin.jobID,GetLocale(0,1,1),'')
      CALL AddSubItem(olewin.jobID,GetLocale(0,1,2),'ABOUT' 0 1 'OLE','o')
      CALL AddSubItem(olewin.jobID,GetLocale(0,1,4),'ABOUT' 0 1 'ABOUT','a')
      CALL AddItem(olewin.jobID,'New Prefs','NEWPREFS','n')
      CALL AddItem(olewin.jobID,GetLocale(0,1,12),'NEWJOB %1' || userport.0 || '%2'  ↩
          || userscreen.0 || '%3Config.ole%4CatCompiler.ole','c')
      CALL AddItem(olewin.jobID,GetLocale(0,1,7),'QUIT','q')
      END

  ELSE DO
      CALL SetNotify(olewin.jobID,"CLOSEWINDOW",oleport.0.1)
      CALL ModifyHost(olewin.jobID,"CLOSEWINDOW",'SETJOB' jobID 'end')
      CALL SetNotify(olewin.jobID,"GADGETUP",oleport.jobID.modID)
      CALL SetNotify(olewin.jobID,"MENUPICK",'REXX')
      cmd = "CALL AddItem(" || olewin.jobID || ",'" || GetLocale(0,1,3) || "'," ||  ↩
          '2227'x || ADDRESS oleport.0.1 'ABOUT' jobID modID 'ABOUT' || '2722'x || ") ↩
          "
      cmd = cmd "; CALL AddItem(" || olewin.jobID || ",'" || GetLocale(0,1,5) ||  ↩
          "'," || '2227'x || ADDRESS oleport.0.1 'CONFIG' jobID modID || '2722'x ||  ↩
          ",'s')"
      cmd = cmd "; CALL AddItem(" || olewin.jobID || ",'" || GetLocale(0,1,6) ||  ↩
          "'," || '2227'x || ADDRESS oleport.0.1 'ICONIFY' jobID modID '%f %e' ||  ↩
          '2722'x || ",'i')"
      cmd = cmd "; CALL AddItem(" || olewin.jobID || ",'" || GetLocale(0,1,7) ||  ↩
          "'," || '2227'x || ADDRESS oleport.jobID.modID 'QUIT' || '2722'x || ",'q')"
      INTERPRET cmd
      CALL ScreenToFront(userscreen.jobID)
      END

RETURN 1
```

1.19 inilibs()

```
/*
 *  These procedure load external libraries used by all modules.
 *
 *  The "rexxarplib.library" is the GUI point of support,
 *  all requester use, instead, the "rexxreqtools.library".
 *  All messages ports are created and managed by the "rexxsupport.library"
 */
IniLibs: PROCEDURE

  /*
   *  an higher priority for the 'rexxarplib.library'
   *  to speed up all operations involving gadgets
   */
 pri.1 = 5; lib.1 = 'rexxarplib.library'
 pri.2 = 0; lib.2 = 'rexxreqtools.library'
 pri.3 = 0; lib.3 = 'rexxsupport.library'

  /*
   *  in case ADDLIB() fails, simply exit
   */
 DO i = 1 TO 3
    IF (ADDLIB(lib.i,pri.i,-30,0) | SHOW('L',lib.i)) = 0 THEN EXIT 20
```

```
  END

RETURN
```

1.20 getserverconfig()

```
/*
 *  To build correctly a GUI, we need some parameters to know
 *  dimensions of window borders, the font we will use and its size,
 *  something about the progress indicator.
 */
GetServerConfig:

  /*
   *  The server, like each module, has a default configuration
   *  stored internally.
   */
  IF ~SHOW('C',config.0.1) THEN DO
    win.bl = 3; win.bt = 15; win.br = 4; win.bb = 2
    win.font = 'topaz.font'; win.fonth = 8; win.fontw = 8
    oleind.outer = 0; oleind.inner = 0; oleind.color = 4
    END

  /*
   *  If the user has saved his own configuration this will be used
   *  instead.
   */
  ELSE PARSE VALUE GETCLIP(config.0.1) WITH win.bl','win.bt','win.br','win.bb',' ←↩
     win.font','win.fonth','win.fontw','oleind.outer','oleind.inner','oleind.color ←↩
     ','

  delaytime = 2 /* secs */

RETURN
```

1.21 complete

```
/*
 *  COMPLETE jobID modID percent
 *
 *  This command start or update the progress indicator
 *  for the job jobID.
 */
WHEN cmd = 'COMPLETE' THEN DO

  IF oleind.jobID = 0 THEN DO
    CALL CloseWindow(olewin.jobID,"CONTINUE")
    CALL OpenWindow(olewin.jobID,winl.jobID,wint.jobID,winw.jobID,oleind.hei + win ←↩
        .bt + win.bb,idcmp.0,flags.0,GetLocale(jobID,modID,'TITLE'))
    CALL  DrawBorder (2,2,boxw.jobID - 2,oleind.hei - 2,oleind.outer)
    CALL DrawBorder(10,6,boxw.jobID - 10,oleind.hei - 6,oleind.inner)
    END
```

```
  oleind.jobID =  SetOleInd (argv)
END
```

1.22   setjob

```
/*
 *  SETJOB jobID modID
 *  SETJOB jobID 'end'  terminate the job execution
 */
WHEN cmd = 'SETJOB' THEN
  CALL  IniModule (jobID,modID)
```

1.23   iconify

```
/*
 *  ICONIFY jobID modID
 */
WHEN cmd = 'ICONIFY' THEN DO
  PARSE VAR argv winl.jobID wint.jobID .
  CALL CloseWindow(olewin.jobID,"CONTINUE")
  CALL OpenWindow(olewin.jobID,winl.jobID,0,winw.jobID,win.bt,idcmp.0,flags.1,  ←
      GetLocale (jobID,modID,'TITLE'))
  CALL SetNotify(olewin.jobID,"CLOSEWINDOW","REXX")
  INTERPRET "CALL ModifyHost(" || olewin.jobID || ",'CLOSEWINDOW'," || '2227'x ||  ←
      ADDRESS oleport.0.1 'UNICONIFY' jobID modID ';' ADDRESS oleport.jobID.modID '  ←
      UNICONIFY' || '2722'x || ")"
END
```

1.24   uniconify

```
/*
 *  UNICONIFY jobID modID
 */
WHEN cmd = 'UNICONIFY' THEN
  IF ~ NewWindow (jobID,modID, GetLocale (jobID,modID,'TITLE')) THEN
    CALL  FreeJob (jobID)
```

1.25   window

```
/*
 *  WINDOW jobID modID width height nidcmp nflags
 */
WHEN cmd = 'WINDOW' THEN DO
  PARSE VAR argv boxw.jobID boxh.jobID a1 a2 .

  winw.jobID = boxw.jobID + win.bl + win.br
```

```
  winh.jobID = boxh.jobID + win.bt + win.bb
  winl.jobID = (ScreenCols(userscreen.jobID) - winw.jobID) % 2
  wint.jobID = (ScreenRows(userscreen.jobID) - winh.jobID) % 2
  oleind.jobID = 0

  idcmp.jobID.modID = idcmp.a1; flags.jobID.modID = flags.a2

  IF ~ NewWindow (jobID,modID, GetLocale (jobID,modID,'TITLE')) THEN CALL  FreeJob ↩
      (jobID)
END
```

1.26   info

```
/*
 *   INFO jobID modID request
 */
WHEN cmd = 'INFO' THEN
  INTERPRET 'CALL SETCLIP(' || oleclip.jobID || ',' || argv || ')'
```

1.27   config

```
/*
 *   CONFIG jobID modID
 */
WHEN cmd = 'CONFIG' THEN
  CALL  WriteConfig (jobID,modID)
```

1.28   newjob

```
/*
 *   CALL SendParsed('OLE_SERVER','NEWJOB',userport,userscreen,mod1,mod2,...)
 */
WHEN cmd = 'NEWJOB' THEN DO
  /*
   *  set the jobID for the new job
   *  update max number of jobs in the server lists
   */
  DO jobID = 1 UNTIL module.jobID.0 = ''; END
  module.0 = MAX(module.0,jobID)
  /*
   *  read all modules for this job
   *  separate the module name from its status, if present
   */
  DO i = 1 WHILE GETARG(pkt,i + 2) ~= ''
    oleport.jobID.i = oleport. || '.' || jobID || '.' || i
    PARSE VALUE GETARG(pkt,i + 2) WITH module.jobID.i status.jobID.i .
  END
  /*
   *  complete the new job initialization into the server lists
   */
```

```
  module.jobID.0 = i - 1
  oleclip.jobID = oleclip. || '.' || jobID
  olepipe.jobID = olepipe. || '.' || jobID
  olewin.jobID = olewin. || '.' || jobID
  olewin.jobID.0 = ''
  userport.jobID = GETARG(pkt,1)
  userscreen.jobID = GETARG(pkt,2)
  CALL  IniModule (jobID,1)
END
```

1.29 newprefs

```
/*
 *  NEWPREFS jobID modID
 *
 */
WHEN cmd = 'NEWPREFS' THEN DO

  DO jobID = 0 TO module.0
    IF SHOW('P',olewin.jobID) THEN CALL CloseWindow(olewin.jobID,"CONTINUE")
  END

  CALL DELAY(delaytime * 50)
  CALL  ReadLocale (0,1)
  CALL  ReadConfig (0,1)
  CALL  GetServerConfig ()

  DO jobID = 0 TO module.0

    IF SHOW('P',olewin.jobID) & oleind.jobID = 0 THEN DO

      modID = olewin.jobID.0
      IF ~ NewWindow (jobID,modID, GetLocale (jobID,modID,'TITLE')) THEN
        CALL  FreeJob (jobID)
      ELSE
        IF jobID ~= 0 THEN INTERPRET 'ADDRESS' oleport.jobID.modID 'UNICONIFY'

      END

    oleind.jobID = 0
  END

END
```

1.30 about

```
/*
 *  ABOUT jobID modID strID
 *
 *  ERROR jobID modID code text
 *
 *  0)  general error
```

```
 *  1)  can't open message port %s
 *  2)  can't open IDCMP %s
 *  3)  unknown command %s
 *  4)  error writing file
 *  5)  error reading file
 */
WHEN cmd = 'ABOUT' | cmd = 'ERROR' THEN DO
  PARSE VAR argv a1 a2

  IF cmd = 'ABOUT' THEN DO
    a1 =  GetLocale (jobID,modID,a1,SUBSTR(ver_TAG,7))
    a2 = GetLocale(0,1,'OK1')
    END

  ELSE DO
    a1 = GetLocale(0,1,'ERR_' || a1,STRIP(a2,'B'))
    a2 = GetLocale(0,1,'OK2')
    END

  CALL RTezRequest(a1,a2,tit_TAG,rt_TAG 'rt_pubscrname=' || userscreen.jobID)
END
```

1.31   quit

```
/*
 *  QUIT
 *
 *  The "QUIT" command close all windows, exit from all modules
 *  and free all allocated by user jobs.
 */
WHEN cmd = 'QUIT' THEN
  IF RTezRequest( GetLocale (0,1,10),GetLocale(0,1,'OK5'),tit_TAG,rt_TAG) = 0 THEN
    cmd = ''
```

1.32   ole jobs

```
In the OLE System, a "job" is a set of one or more  modules .
It also include other information about user execution environment:

  the caller application
  its screen name

  module1
    .
    .
    .
  moduleN


All this datas are stored in  server lists .
A new job is created when a user execute a "special" ARexx macro,
that I call  OLE startup script .
```

1.33   ole modules

```
In the OLE System, a "module" is part of a  job .
Each one has own jobID and modID. These are numbers assigned
by the server every time a new job is created.
```