RTE (Realtime Transaction Environment for TradExpress ©Generix)

- unofficial cheat table -

Process control

background(tCommand,taArgs, tStdin,tStdout, tStderr)
exec(tCommand, tArg1, ..., tArgN)
exit(nexitCode)
spawn(tOriginal,tRemoved,tReplacements)
system(tCommandLine)

Text handling

build(pirnt lists)
compare(tObject,tWildcard)
index(tOriginal, tSearch)
length(tText)
number(tNumText)
peel(tOriginal, tExtras)
replace(tOriginal,tRemoved,tReplacements)
split(tSource, taArray,tSeparator/regularexpression)
strip(tOriginal, tExtras)
substr(tOriginal,nPosition, nLength))
toupper(tOriginal)
tolower(tOriginal)

File handling

close(tFile)
copy(tSource,tDestination)
link(tOriginal, tLink)
redirect(stream, tFile)
rename(tOldname,tNewname)

Output

debug(print lists)
edierrorlist(MESSAGE/SEGMENT)
edierrordump(MESSAGE/SEGMENT)
flush([taMatrix], nMin,nMax, tLinesep)
log(print lists)
print(print lits)
put([taMatrix,] nLine,nPos, print item)

Input

load([nMode,] tSrcFile,taArray [,tMultisep[,tSeparator]])
pick(nLine, nPosition,nLength)
read(tFile)

Time

time([TIME] [,tFormat])

Database access

find(tDatabase, filter)
new(tDatabase)

Multi purpose

remove(tFile/[ARRAY])
valid(MESSAGE/SEGMENT)

Segment look-ahead

bfPeekSegment(text array, [group/occurrence.spec.], name, number)

Basic types

e data element
g group symbol
m message variable
mMESSAGE, mVERSION
mRELEASE, mAGENCY
c static counter
s environment variable
o command line option
p parameter
f file
t text variable
n numeric variable
b boolean variable
ta an array containing text items
na an array containing numeric items
ba an array containing boolean items
tf function returning text
nf function returning a number
bf function returning a boolean value

Special parameters

PARAMFILE
FILE
INDEX

Key words

ARGC, ARGV
EOL, EOT
NL
INPUT, OUTPUT, LOGGING
AND, OR, NOT
FALSE, TRUE
EMPTY
RETURN
MESSAGE, SEGMENT, GROUP,
LINE
BULDING, RECEIVING

Break, continue, next statements

BREAK, CONTINUE, NEXT, NEXTMESSAGE

File attributes (fFile.ATTRIBUT)

EXIST
NAME, PATH, FULLNAME
OWNER, GROUP
SIZE, LINES
ATIME, MTIME, CTIME
READ, WRITE, EXEC
TYPE, CONTENT

Boolean expression

5 > nVar
12.43 < nVar
15 <= nVar
50 >= nVar
«test» <> tVar
bVar = TRUE
not taVarTab[1] = tVar

Control statement

```
if boolean expression then
   !
else
   !
endif
```

Loop statements

```
while boolean expression do
   !
endwhile

while tIndex in taArray do
   !
endwhile

while tValue in taArray[tindex] do
   !
endwhile

while fFile in tFilename do
   !
endwhile

while database entry in filtered database do
   !
endwhile
```

Switch statement

```
switch tSelector
case tOption1:
   !
default :
   !
endswitch
```

Statements lists

```
begin
   !
endbegin

default
   !
endefault

end
   !
endend

line(EOL:"LAST")        line("HEAD")
   !                      !
endline                 endline

segment UNH
   !
endsegment

function tfFoo()
   !
  return tRetour
endfunction
```

Command line

logadd
logchange
logcreate
logremove
logview
lstool function -s sysname [-f sysname.cfg] [-L fieldlist]
[-l headerlines] [-q] [-v] [-N]

Function :
build, reconfig, relabel, convert
check, salvage, fix, pack, fixhints, orderfree, rmunref
dump, modified, created, fileds, status
liste, insert, delete, change

Examples

```
segment UNH
        if not valid(MESSAGE) then
                nError++
                edierrordump(MESSAGE)
                nextmessage
        endif
        if bfPeekSegment(taPeek, "1", 2, "NAD", 1) then
                if taPeek["C082.3039"] = "123456789" then
                        log("NAD g1 présent", NL)
                        next
                endif
        endif

        if bfPeekSegment(taPeek, "15", 1, "19", 1, "MOA", 1) then
                log("MOA g15,g19 présent", NL)
        else
                log("pas de MOA g15,g19", NL)
        endif
        redirect(LOGGING, SYSLOG.l)
endsegment

segment DOC  g3,g4
        switch eC002.1001
        case "730":
                tVar1 := build(e1004:R035.35)
        default :
                SYSLOG.USERTEXT32 := "Warning"
                edierrordump(SEGMENT)
                log("Warning : ",eC002.1001 ,NL)
        endswitch
endsegment

default
        tLine := pick(1, 1, EOL)
        remove(taResult)
        nOccur := split(tLine, taResult, ";")
        if nOccur > 0 then
                log(time("%Y%m%d%H%M%S"))
                log(" field 1", taResult[1], NL)
        endif
enddefault

$lstool check –s syslog

$logview –s syslog –D trace.log –i <index>
$logview -s syslog -f PARTNER=TEST CREATED CONNECTION
```