

File created: 15-Jun-90 11:39:57 {DSK}<usr>local>lde>lispcore>internal>library>ARSREPORT.;2

changes to: (VARS ARSREPORTCOMS)

previous date: 23-Mar-87 13:47:08 {DSK}<usr>local>lde>lispcore>internal>library>ARSREPORT.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::  
:: Copyright (c) 1986, 1987, 1990 by Venue & Xerox Corporation. All rights reserved.

```
(RPAQQ ARSREPORTCOMS ((FNS AR.REPORT ARS.GET.NUM.LIST ARS.REPORT.DRIVER ARS.REPORT.GEN.AR.LIST
ARS.REPORT.GEN.NEW ARS.REPORT.GET.NUM.LIST ARS.REPORT.GET.TDSINFO
ARS.REPORT.PROCESS.TDSINFO)
(VARS ARS.BUG.LASTMONTH.RELEASED.BACKLOG ARS.BUG.LASTMONTH.UNRELEASED.BACKLOG
ARS.FEATURE.LASTMONTH.BACKLOG ARS.HACKERS ARS.TESTERS)))
```

(DEFINEQ

### (AR.REPORT

```
[LAMBDA (START# END# TDS-VERSION-LIST STARTDATE ENDDATE FORMWINDOW SCRATCHDIR)
; Edited 23-Mar-87 11:20 by shw:
```

```
;; Main driver for the monthly AR report.
;; START# is the starting AR number to report on
;; END# is the ending AR# to report on
;; TDS-VERSION-LIST is a list of versions of the TDS-PROCESSED file
;; STARTDATE is the starting date as a string, e.g. "16-FEB-87" or "12 JAN 96"
;; ENDDATE is the starting date as a string, e.g. "16-FEB-87" or "12 JAN 96"
;; FORMWINDOW is the MAIN window of an AR (we suggest using WHICHW)
;; SCRATCHDIR is a directory/host to use for scratch files. Defaults to {DSK}.
```

```
(ARS.REPORT.DRIVER START# END# (for VERSION inside TDS-VERSION-LIST
collect (if (EQ VERSION 'LISPARS.TDS)
then '{ERIS}<LISPARS>LISPARS.TDS
else (PACKFILENAME 'VERSION VERSION 'BODY
"{ERIS}<LISPARS>LISPARS.TDS-PROCESSED")))
(IDATE (CONCAT STARTDATE " 00:00:00"))
(IDATE (CONCAT ENDDATE " 00:00:00"))
FORMWINDOW SCRATCHDIR))
```

### (ARS.GET.NUM.LIST

```
[LAMBDA (QFORM) ; (* ckj " 4-Jun-86 18:25")
(PROG (NUMS)
[AR.INDEX.DATA.CONTEXT QFORM (SETQ NUMS (for ALIST in (WINDOWPROP QFORM 'AR.ENTRY.ALIST)
collect (AR.GET.ENTRY.NUM (CAR ALIST)
(RETURN NUMS]))
```

### (ARS.REPORT.DRIVER

```
[LAMBDA (STARTING.NUM ENDING.NUM TDS.LIST STARTDATE ENDDATE FORMWINDOW SCRATCHDIR)
; Edited 24-Feb-87 17:23 by jds
(SETQ ARS.NEW (ARS.REPORT.GEN.AR.LIST STARTING.NUM ENDING.NUM))
(SETQ TDS.FEATURES.SERVICED (for X in TDS.LIST collect (ARS.REPORT.PROCESS.TDSINFO (ARS.REPORT.GET.TDSINFO
X)
STARTDATE ENDDATE)))
(SETQ ARS.FEATURES.SERVICED NIL)
(for X in TDS.FEATURES.SERVICED do (SETQ ARS.FEATURES.SERVICED (APPEND ARS.FEATURES.SERVICED X)))
(ARS.REPORT.GEN.NEW STARTING.NUM ENDING.NUM ARS.FEATURES.SERVICED FORMWINDOW SCRATCHDIR))
```

### (ARS.REPORT.GEN.AR.LIST

```
[LAMBDA (START.NUM END.NUM) ; (* ckj "30-May-86 16:38")
(SETQ AR.LIST (for X from START.NUM to END.NUM collect X))
(PROG ((NEXT.NUM START.NUM)
ARDONEFLG)
(do (COND
((EQ NEXT.NUM END.NUM)
(SETQ ARDONEFLG T)))
[COND
([NILSETQ (SETQ ARSTREAM (OPENSTREAM (AR.FILENAME NEXT.NUM)
'INPUT
'OLD]
(CLOSEF ARSTREAM)
(SETQ NEXT.NUM (ADD1 NEXT.NUM)))
(T (DREMOVE NEXT.NUM AR.LIST)
(SETQ NEXT.NUM (ADD1 NEXT.NUM)]
until (OR ARDONEFLG))
(RETURN AR.LIST]))
```

(ARS.REPORT.GEN.NEW

; Edited 13-Mar-87 13:26 by shw:

```

[LAMBDA (START.NUM END.NUM FORMWINDOW FIXED.LIST)
(PROG ((REPORT.INDEX '(DSK)REPORT-AR.INDEX)
      (TXT REPORTWINDOW AR.QWINDOW ARS.NEW.OPEN ARS.NEW.UNSCREENED ARS.NEW.DECLINED ARS.NEW.FIXED
      ARS.NEW.SUPERSEDED ARS.NEW.INCOMPLETE ARS.NEW.OBSOLETE ARS.NEW.FEATURE ARS.NEW.UNRELEASED.FEATURE
      ARS.NEW.UNASSIGNED ARS.NEW.WISH ARS.SERVICED.FEATURES ARS.NEW.TOTAL ARS.OPEN.TOTAL
      ARS.ABSOLUTELY.TOTAL ARS.SUBMITTED.BETA ARS.SUBMITTED.HACKERS ARS.SUBMITTED.TESTERS)
      (AR.INDEX.CREATE REPORT.INDEX)
      [SETQ AR.QWINDOW (CREATEW '(0 0 200 100)]
      (AR.QFORM.GROUP.CREATE REPORT.INDEX AR.QWINDOW)
      (DISMISS 10000)
      (AR.INDEX.UPDATE AR.QWINDOW ARS.NEW)
      (CLOSEW AR.QWINDOW)
      [SETQ AR.QWINDOW (CREATEW '(0 0 200 100)]
      (AR.QFORM.CREATE REPORT.INDEX AR.QWINDOW)
      (DISMISS 10000)
      (AR.QUERY AR.QWINDOW '(Status%: IS Open))
      (SETQ ARS.NEW.OPEN (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS New))
      (SETQ ARS.NEW.UNSCREENED (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS Declined))
      (SETQ ARS.NEW.DECLINED (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS Fixed))
      (SETQ ARS.NEW.FIXED (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS Superseded))
      (SETQ ARS.NEW.SUPERSEDED (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS Incomplete))
      (SETQ ARS.NEW.INCOMPLETE (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS Obsolete))
      (SETQ ARS.NEW.OBSOLETE (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(Status%: IS Wish))
      (SETQ ARS.NEW.WISH (ARS.GET.NUM.LIST AR.QWINDOW))
      (AR.QUERY AR.QWINDOW '(In/By%: HAS BETA))
      (SETQ ARS.SUBMITTED.BETA (ARS.GET.NUM.LIST AR.QWINDOW))
      [AR.QUERY AR.QWINDOW (APPEND '(OR)
                                  (for HACKER in ARS.HACKERS collect (APPEND '(Submitter%: HAS)
                                                                              (LIST HACKER))
                                  (LIST HACKER])
      (SETQ ARS.SUBMITTED.HACKERS (ARS.GET.NUM.LIST AR.QWINDOW))
      [AR.QUERY AR.QWINDOW (APPEND '(OR)
                                  (for TESTER in ARS.TESTERS collect (APPEND '(Submitter%: HAS)
                                                                              (LIST TESTER))
                                  (LIST TESTER])
      (SETQ ARS.SUBMITTED.TESTERS (ARS.GET.NUM.LIST AR.QWINDOW))
      [AR.QUERY AR.QWINDOW '(AND (OR (Subject%: HAS want)
                                   (|Problem Type:| IS Feature))
                                   (Status%: IS Open))
      (SETQ ARS.NEW.FEATURE (APPEND ARS.NEW.FEATURE (ARS.GET.NUM.LIST AR.QWINDOW)))
      (AR.QUERY AR.QWINDOW '(AND (OR (Subject%: HAS want)
                                   (|Problem Type:| IS Feature))
                                   (Status%: IS New))
      (SETQ ARS.NEW.UNRELEASED.FEATURE (ARS.GET.NUM.LIST AR.QWINDOW)))
      [AR.QUERY AR.QWINDOW '(AND (Status%: IS Open)
                                   (Attn%: HAS lisp])
      (SETQ ARS.NEW.UNASSIGNED (ARS.GET.NUM.LIST AR.QWINDOW))
      [AR.QUERY AR.QWINDOW '(AND (Status%: IS Open)
                                   (Attn%: IS NIL])
      (SETQ ARS.NEW.UNASSIGNED (APPEND ARS.NEW.UNASSIGNED (ARS.GET.NUM.LIST AR.QWINDOW)))
      (CLOSEW AR.QWINDOW)
      (DELFILEREPORT.INDEX)
      [SETQ AR.QWINDOW (CREATEW '(0 0 200 100)]
      (AR.QFORM.GROUP.CREATE REPORT.INDEX AR.QWINDOW)
      (DISMISS 10000)
      (AR.INDEX.UPDATE AR.QWINDOW FIXED.LIST)
      (CLOSEW AR.QWINDOW)
      [SETQ AR.QWINDOW (CREATEW '(0 0 200 100)]
      (AR.QFORM.CREATE REPORT.INDEX AR.QWINDOW)
      (DISMISS 10000)
      [AR.QUERY AR.QWINDOW '(OR (Subject%: HAS want)
                                   (|Problem Type:| IS Feature))
      (SETQ ARS.SERVICED.FEATURES (APPEND ARS.SERVICED.FEATURES (ARS.GET.NUM.LIST AR.QWINDOW)))
      [SETQ REPORTWINDOW (CREATEW '(400 0 400 200)]
      (CLOSEW AR.QWINDOW)
      (SETQ TXT (OPENTEXTSTREAM "" REPORTWINDOW NIL NIL (LIST 'FONT LAFITEEDITORFONT)))
      (PRINTOUT TXT "FIRST AR OF MONTH:" START.NUM " LAST AR OF MONTH:" END.NUM " NUMBER OF NEW ARS:"
      (FLENGTH ARS.NEW)
      " NUMBER OF ARS ACCEPTED:"
      (PLUS (FLENGTH ARS.NEW.FIXED)
            (DIFFERENCE (FLENGTH ARS.NEW.OPEN)
                        (FLENGTH ARS.NEW.FEATURE)))
      " NUMBER OF ARS REJECTED:"
      (PLUS (FLENGTH ARS.NEW.DECLINED)
            (FLENGTH ARS.NEW.SUPERSEDED)
            (FLENGTH ARS.NEW.INCOMPLETE)
            (FLENGTH ARS.NEW.OBSOLETE))
      " NUMBER OF UNSCREENED ARS:"
      (FLENGTH ARS.NEW.UNSCREENED)

```

```

" NUMBER OF FEATURE REQUESTS SUBMITTED:"
(PPLUS (FLENGTH ARS.NEW.FEATURE)
(FLENGTH ARS.NEW.WISH))
" NUMBER OF UNASSIGNED ARS:"
(FLENGTH ARS.NEW.UNASSIGNED)
" NUMBER OF FIXED ARS:"
(FLENGTH ARS.NEW.FIXED)
" NUMBER OF SERVICED FEATURE REQUESTS:"
(FLENGTH ARS.SERVICED.FEATURES)
T)
[SETQ AR.QWINDOW (CREATEW '(0 0 200 100)
(AR.QFORM.CREATE '{ERIS}<LISP>AR.INDEX AR.QWINDOW)
(DISSMISS 10000)
[AR.QUERY AR.QWINDOW '(AND (Status%: IS New)
(NOT (|Problem Type:| IS Feature)
(SETQ ARS.NEW.TOTAL (ARS.GET.NUM.LIST AR.QWINDOW))
[AR.QUERY AR.QWINDOW '(AND (Status%: IS Open)
(NOT (|Problem Type:| IS Feature)
(SETQ ARS.OPEN.TOTAL (ARS.GET.NUM.LIST AR.QWINDOW))
[AR.QUERY AR.QWINDOW '(AND (Priority%: IS Absolutely)
(OR (Status%: IS New)
(Status%: IS Open)
(SETQ ARS.ABSOLUTELY.TOTAL (ARS.GET.NUM.LIST AR.QWINDOW))
(CLOSEW AR.QWINDOW)
[SETQ FINALREPORTWINDOW (CREATEW '(450 0 400 200)
(SETQ TXT (OPENTEXTSTREAM "" FINALREPORTWINDOW NIL NIL (LIST 'FONT LAFITEEDITORFONT)))
[PRINTOUT TXT T T .TAB 30 ">>month<< Action Request Data Base Report" T T ">>lastmonth<< Unreleased
Backlog:" .TAB 40 ARS.BUG.LASTMONTH.UNRELEASED.BACKLOG T ">>lastmonth<< Released Backlog:" .TAB
40 ARS.BUG.LASTMONTH.RELEASED.BACKLOG T ">>month<< Submissions:" .TAB 40 (IDIFFERENCE END.NUM
START.NUM)
T "Rejected:" .TAB 40 (PLUS (FLENGTH ARS.NEW.DECLINED)
(FLENGTH ARS.NEW.SUPERSEDED)
(FLENGTH ARS.NEW.INCOMPLETE)
(FLENGTH ARS.NEW.OBSOLETE))
T "Feature Requests:" .TAB 40 (PLUS (FLENGTH ARS.NEW.UNRELEASED.FEATURE)
(FLENGTH ARS.NEW.FEATURE))
T "Fixed:" .TAB 40 (FLENGTH ARS.NEW.FIXED)
T "Submitted by Beta Test sites:" .TAB 40 (FLENGTH ARS.SUBMITTED.BETA)
T "Submitted by Development:" .TAB 40 (FLENGTH ARS.SUBMITTED.HACKERS)
T "Submitted by Testing:" .TAB 40 (FLENGTH ARS.SUBMITTED.TESTERS)
T "Total (Open/New) ARs marked Absolutely:" .TAB 40 (FLENGTH ARS.ABSOLUTELY.TOTAL)
T "Total Open (Released) ARs:" .TAB 40 (FLENGTH ARS.OPEN.TOTAL)
T "Total New (Unreleased) ARs" .TAB 40 (FLENGTH ARS.NEW.TOTAL)
T T T T .TAB 30 ">>month<< Feature Request Report" T T ">>lastmonth<< Features Backlog:" .TAB
40 ARS.FEATURE.LASTMONTH.BACKLOG T "Feature Requests Submitted:" .TAB 40 (PLUS (FLENGTH
ARS.NEW.UNRELEASED.FEATURE
)
(FLENGTH
ARS.NEW.FEATURE
))
T "Feature Requests Serviced:" .TAB 40 (FLENGTH ARS.SERVICED.FEATURES)
T ">>month<< Features Backlog:" .TAB 40 (PLUS ARS.FEATURE.LASTMONTH.BACKLOG
(IDIFFERENCE (PLUS (FLENGTH
ARS.NEW.UNRELEASED.FEATURE
)
(FLENGTH ARS.NEW.FEATURE))
(FLENGTH ARS.SERVICED.FEATURES)
[SETQ ARS.BUG.LASTMONTH.RELEASED.BACKLOG (PLUS ARS.BUG.LASTMONTH.RELEASED.BACKLOG (IDIFFERENCE
(FLENGTH
ARS.NEW.OPEN
)
(FLENGTH
ARS.NEW.FEATURE
)
(SETQ ARS.FEATURE.LASTMONTH.BACKLOG (PLUS ARS.FEATURE.LASTMONTH.BACKLOG (IDIFFERENCE
(PLUS (FLENGTH
ARS.NEW.FEATURE)
(FLENGTH ARS.NEW.WISH))
(FLENGTH
ARS.SERVICED.FEATURES]
)

```

(ARS.REPORT.GET.NUM.LIST

```

[LAMBDA (QFORM) (* ckj "30-May-86 16:33")
(PROG (NUMS)
[AR.INDEX.DATA.CONTEXT QFORM (SETQ NUMS (for ALIST in (WINDOWPROP QFORM 'AR.ENTRY.ALIST)
collect (AR.GET.ENTRY.NUM (CAR ALIST)
(RETURN NUMS])

```

(ARS.REPORT.GET.TDSINFO

```

[LAMBDA (FILENAME) ; Edited 3-Feb-87 16:14 by shw:
(PROG ((FILE (OPENSTREAM FILENAME 'INPUT 'OLD))
TDSLIS)
(SETQ TDSLIS (while (FILEPOS " -- " FILE NIL NIL NIL T) bind ARLIST
when [LISTP (SETQ ARLIST (PROGN (READ FILE FILERDTBL) collect ARLIST))

```

(CLOSE FILE)  
(RETURN TDSLIST)]

**(ARS.REPORT.PROCESS.TDSINFO**

(\* edited%: "24-Jul-86 17:13")

[LAMBDA (TDSLIST TDS.STARTDATE TDS.ENDDATE)  
(PROG (TDSTEMP TXT ARS.OLD.FEATURE ARS.OLD.FIXED ARS.OLD.SERVICED ARS.OLD.SUPERSEDED ARS.OLD.OBSOLETE  
ARS.OLD.DECLINED ARS.OLD.INCOMPLETE)

(SETQ TDSTEMP (for X in TDSLIST when (NOT (FMEMB 'SUBMIT X)) collect (CDR X)))  
(SETQ TDSTEMP (for X in TDSTEMP when [AND (LEQ TDS.STARTDATE (IDATE (CONCAT (CADADR X)  
" 00:00:00")))  
(GREATERP TDS.ENDDATE (IDATE (CONCAT (CADADR X)  
" 00:00:00"]

collect X))  
(SETQ TDSTEMP (for X in TDSTEMP when (NOT (MEMB (CAR X)  
ARS.NEW))  
collect X))

(SORT TDSTEMP T)  
(for X in TDSTEMP do (COND

[(STRPOS "->Feature" X)  
(SETQ ARS.OLD.FEATURE (APPEND ARS.OLD.FEATURE (LIST (CAR X))  
[(STRPOS "Wish->Fixed" X)  
(SETQ ARS.OLD.SERVICED (APPEND ARS.OLD.SERVICED (LIST (CAR X))  
[(STRPOS "->Fixed" X)  
(SETQ ARS.OLD.FIXED (APPEND ARS.OLD.FIXED (LIST (CAR X))  
[(STRPOS "->Superseded" X)  
(SETQ ARS.OLD.SUPERSEDED (APPEND ARS.OLD.SUPERSEDED (LIST (CAR X))  
[(STRPOS "->Obsolete" X)  
(SETQ ARS.OLD.OBSOLETE (APPEND ARS.OLD.OBSOLETE (LIST (CAR X))  
[(STRPOS "->Declined" X)  
(SETQ ARS.OLD.DECLINED (APPEND ARS.OLD.DECLINED (LIST (CAR X))  
[(STRPOS "->Incomplete" X)  
(SETQ ARS.OLD.INCOMPLETE (APPEND ARS.OLD.INCOMPLETE (LIST (CAR X))  
(T)))

[SETQ REPORTWINDOW (CREATEW '(200 0 400 200)  
(SETQ TXT (OPENTEXTSTREAM "" REPORTWINDOW NIL NIL (LIST 'FONT LAFITEEDITORFONT)))  
(PRINTOUT TXT "STARTING DATE:" TDS.STARTDATE " ENDING DATE:" TDS.ENDDATE " NUMBER OF FEATURE OLD  
ARS:" (FLENGTH ARS.OLD.FEATURE)  
" " ARS.OLD.FEATURE " NUMBER OF FEATURE REQUESTS SERVICED:" (FLENGTH ARS.OLD.SERVICED)  
" " ARS.OLD.SERVICED " NUMBER OF FIXED OLD ARS:" (FLENGTH ARS.OLD.FIXED)  
" " ARS.OLD.FIXED " NUMBER OF SUPERSEDED OLD ARS:" (FLENGTH ARS.OLD.SUPERSEDED)  
" " ARS.OLD.SUPERSEDED " NUMBER OF OBSOLETE OLD ARS:" (FLENGTH ARS.OLD.OBSOLETE)  
" " ARS.OLD.OBSOLETE " NUMBER OF DECLINED OLD ARS:" (FLENGTH ARS.OLD.DECLINED)  
" " ARS.OLD.DECLINED " NUMBER OF INCOMPLETE OLD ARS:" (FLENGTH ARS.OLD.INCOMPLETE)  
" " ARS.OLD.INCOMPLETE)  
(RETURN ARS.OLD.FIXED])

)

(RPAQQ ARS.BUG.LASTMONTH.RELEASED.BACKLOG 0)

(RPAQQ ARS.BUG.LASTMONTH.UNRELEASED.BACKLOG 0)

(RPAQQ ARS.FEATURE.LASTMONTH.BACKLOG -4)

(RPAQQ ARS.HACKERS (Bane Burton Charnley Daniels Fischer Jellinek Lanning Masinter Murage Pavel Pedersen  
Santosa Shih Sybalsky vanMelle Woz))

(RPAQQ ARS.TESTERS (Blum Cate3 Kelley Lew Rhoades Wilkie))

(PUTPROPS ARSREPORT COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1990))

---

**FUNCTION INDEX**

AR.REPORT .....	1	ARS.REPORT.GEN.AR.LIST .....	1	ARS.REPORT.GET.TDSINFO .....	3
ARS.GET.NUM.LIST .....	1	ARS.REPORT.GEN.NEW .....	2	ARS.REPORT.PROCESS.TDSINFO .....	4
ARS.REPORT.DRIVER .....	1	ARS.REPORT.GET.NUM.LIST .....	3		

---

**VARIABLE INDEX**

ARS.BUG.LASTMONTH.RELEASED.BACKLOG .....	4	ARS.HACKERS .....	4
ARS.BUG.LASTMONTH.UNRELEASED.BACKLOG .....	4	ARS.TESTERS .....	4
ARS.FEATURE.LASTMONTH.BACKLOG .....	4		

---