

/*

001-Generated C code for functional specification 'SERVER'

VERSION: 3.2.3.9 C-RAT

: 1.6.0.0

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OPERATION: SERVER

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SCCSID: @(#) %M% %I% of %G%.

*/

```
#include "CPORT.h"
#include "MSG.S.h"
#include "NAT.h"
#include "BOOLEAN.h"
#include "FDSET.h"
#include "FDSETS.h"
#include "LPORT.h"
#include "OS.h"
#include "STR.h"
#include "CHAR.h"
#include "OMAP.h"
```

```
#include <stdio.h>
#include <math.h>
#include <errno.h>
#include "BOOLEAN.h"
#include "NAT.h"
```

```
fSERVER(V0OS00,
        V0OS)
IDECLARE_OS(V0OS00)
ODECLARE_OS(V0OS)
{
```

```

        /* __LOCAL_VARIABLE_DECLARATIONS__ */
DECLARE_CPORT(V0CLIENT)
DECLARE_MSGS(V0SUMS)
DECLARE_MSGS(V0MS)
DECLARE_NAT(V0FOREVER)
DECLARE_CPORT(V0CLIENT0)
DECLARE_BOOLEAN(V0B2)
DECLARE_NAT(C7)
DECLARE_BOOLEAN(V0B1)
DECLARE_FDSET(V0E)
DECLARE_FDSET(V0R)
DECLARE_NAT(V0N)
DECLARE_FDSETS(V0FDSS3)
DECLARE_LPORT(V0LISTENON)
DECLARE_OS(V0OS0)
DECLARE_BOOLEAN(V0B0)
DECLARE_STR(C16)
DECLARE_STR(C17)
DECLARE_BOOLEAN(D0D10)
DECLARE_BOOLEAN(D0D11)
DECLARE_STR(V2_OMSTR)
DECLARE_CHAR(C23)
DECLARE_STR(V2_ZSTR)
DECLARE_NAT(V2_Z)
DECLARE_STR(V2_OMSTR0)
DECLARE_OMAP(V2_OM)
        /* __ITERATION_VARIABLE_DECLARATIONS__ */
        /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
NEWSTACK_TRACE_IDSC("SERVER");
DOT_K_NAT(1,C7)
DOT_K_STR("server",C16)
DOT_K_STR("./",C17)
DOT_K_CHAR('<',C23)
        /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
fDEBUG_SERVER(C17,C16,V0OS0,&V0B0);
CLONE_OS(V0OS0,V0OS0)

```

```

fSETUP_LISTENING_INET_PORT(V0OS0,&V0LISTENON);
fSET_SELECT_FOR_LISTENING(V0LISTENON,&V0FDSS3,&V0N);
MOVETO_EXCEPT_FDSETS(V0FDSS3,V0E)
MOVETO_READ_FDSETS(V0FDSS3,V0R)
ISPRESNT_LPORT_FDSET(V0LISTENON,V0E,V0B1)
LT_NAT(V0N,C7,V0B2)
OR_BOOLEAN(V0B1,V0B2,D0D10)
    if(D0D10<1)
{if(D0D10 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
  ISPRESNT_LPORT_FDSET(V0LISTENON,V0R,D0D11)
    if(D0D11<1)
{if(D0D11 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
  CLONE_OS(V0OS0,*V0OS)
}/*FALSE*/
else{/*CONNECT_AND_HANDLE_CLIENT_S_REQUEST*/
  fCONNECT_TO_CLIENT(V0LISTENON,V0FDSS3,&V0CLIENT0);
  KREJECT_NAT(V0CLIENT0,V0FOREVER)
  fRECEIVE_MSGS(V0CLIENT0,V0FOREVER,&V0MS);
  fNGRAM_TEST(V0MS,&V0SUMS);
  CONVERT_OMAP_MSGS(V0SUMS,V2_OM)
  CONVERT_STR_OMAP(V2_OM,V2_OMSTR0)
  SIZE_STR(V2_OMSTR0,V2_Z)
  CONVERT_STR_NAT(V2_Z,V2_ZSTR)
  MERGE_STR(C23,V2_ZSTR,V2_OMSTR0,V2_OMSTR)
  fSEND_A_STR_CPORT(V0CLIENT0,V2_OMSTR,&V0CLIENT);
  CLONE_OS(V0OS0,*V0OS)
}/*TRUE*/
}/*FALSE*/
else{/*CLONE1_OS*/
  CLONE_OS(V0OS0,*V0OS)
}/*TRUE*/
ENDSTACK_IDSC(); /* STR Garbage Collector */

return;
}
/* ----- end of source -----*/

```