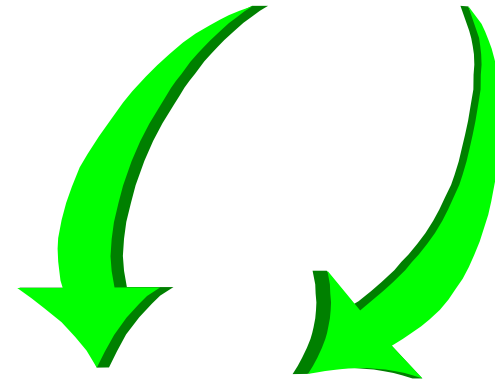


Suprtool2

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Calling Suprtool from a program

- There are two ways to execute Suprtool commands for a program:
 1. Run Suprtool first, then run the program
 2. Have the program call Suprtool2



Invoking Suprtool for an end-user

- Any 3GL program can invoke Suprtool tasks, including COBOL, QUICK, FORTRAN, TRANSACT, and SPL
- Call the Suprtool2 interface routine

```
procedure suprtool2 (suprcontrol);  
array suprcontrol;
```
- Each call to Suprtool2 passes one line of commands that can include MPE or Suprlink commands
- Suprtool functions are invisible to the end-user

Suprtool2 control Parm

```
01 supr-control.  
05 supr-version          pic s9(4) comp value 4.  
05 supr-status          pic s9(4) comp.  
88  supr-ok             value zeros.  
88  supr-bad-msgfile    value 1.  
88  supr-aborted        value 2.  
88  supr-create-error   value 3.  
88  supr-bad-total-type value 4.  
05 supr-command-line    pic x(256) value spaces.  
05 supr-flags.  
10  supr-priority       pic x(2) value spaces.  
88  supr-priority-cs    value "CS".  
88  supr-priority-ds    value "DS".  
88  supr-priority-es    value "ES".
```

{continued}

Suprtool2 control Parm continued

```
10 supr-maxdata          pic s9(9) comp value 0.
10 supr-print-state      pic x(2) value "ER".
    88 supr-print-on-error        value "ER".
    88 supr-print-always         value "AL".
    88 supr-print-never          value "NE".
10 supr-total-type       pic x(2) value "CO".
    88 supr-total-cobol         value "CO".
    88 supr-total-ascii         value "AS".
10 supr-other-flags     pic x(18) value spaces.
05 supr-totals pic s9(17) sign is trailing
    separate character occurs 15 times.
05 supr-out-count        pic s9(9) comp.
05 supr-workspace        pic x(20) value spaces.
```

Calls to Suprtool2 from a COBOL program

```
$include cobol.glibsrc.robelle  
00-main section.  
    perform 02-get-if-specs.  
    move "base invory.data,5,dev" to supr-command-line.  
        perform 01-call-suprtool.  
    move "get invrec"           to supr-command-line.  
        perform 01-call-suprtool.  
    move if-command             to supr-command-line.  
        perform 01-call-suprtool.  
    move "purge selitem"        to supr-command-line.  
        perform 01-call-suprtool.
```

{continued}

Calls to Suprtool2 from a COBOL program continued

```
move "output selitem"          to supr-command-line.  
                                perform 01-call-suprtool.  
move "extract item,descript"   to supr-command-line.  
                                perform 01-call-suprtool.  
move "sort item"              to supr-command-line.  
                                perform 01-call-suprtool.  
move "exit"                   to supr-command-line.  
                                perform 01-call-suprtool.
```

□ Actual call to Suprtool

```
01-call-surtoool.  
  call "Suprtool2" using supr-control.  
  if not supr-ok then  
    display "Suprtool interface error number: ", supr-status.
```

Prompting users for selection criteria from a COBOL program

- Use a buffer to format the IF command

```
01 if-command.  
   05 filler    pic x(9) value "IF ITEM=`".  
   05 sel-prefix    pic x(4).  
   05 filler    pic x(2) value "`".
```

- Code to insert selection criteria into the IF buffer

```
02-get-if-specs.  
   display "Enter 4-character item prefix to select:".  
   accept input-buf.  
   move input-buf to sel-prefix.
```

- Code in main program

```
perform 02-get-if-specs.  
move if-command to supr-command-line.  
perform 01-call-suprtool.
```


Installing Suprtool2 on MPE V

- MPE V uses the CM version of Suprtool2

```
:run cmprog;lib = p
```

```
:segmenter {load into your SL file}
```

```
-sl sl.pub
```

```
-purgesl segment,suprtool
```

```
-usl st2usl.pub.robelle
```

```
-addsl suprtool
```

```
-exit
```

Installing Suprtool2 on MPE/iX

- MPE/iX uses the NM version of Suprtool2

- Run your programs with

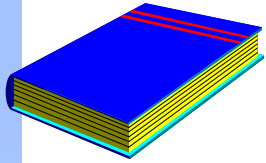
```
:run nmprog;x1 = "st2x1.pub.robelle"
```

- Or copy the module to your own XL file

```
:linkedit  
-x1 x1.pub  
-copy x1;from = st2x1.pub.robelle;& replace  
-exit
```

Three ways COBOL programs can use Suprtool

- Batch report programs
 - Run Suprtool and create an output file
 - Read and format output file
- On-line programs
 - Call Suprtool2 routine
 - Pass commands to a Suprtool child process
 - Read Suprtool output file
- Call Speed Demon routine instead of DBGET to read every record



Summary

- Call Suprtool2 routine
- Execute Suprtool program as a child process
- Read results from a file created by Suprtool

