

# ! " # \$ % & ' ( ) \$ \* ( " + \$ \* , \* - ) % , \* . \* / # . & ) # / & O rc.d ) \$ " & . % \* , , BSD

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5 ; / 7 - \* # ; , 9 rc.d \* BSD 3 : ; % , \$ ' + / 3 , ' - ' 6 % 8 % + - ' " % : ' 3 % " ' ( 3 , ; ' : \$ # \* 8 4 ( rc.d . < = \$ # 7  
3 \$ % \$ 2 / - 1 ; % 3 3 - # \$ ; ' - " / 3 , # 4 2 , # \$ ' : ' + " 1 > 3 4 9 + % / \* \* # 6 ; % 3 \$ % ? @ / 7 3 4 # . " # 3 \$ ' , : # , % . / -  
\* # 6 - # . " # 3 \$ ' rc.d , : # 8 > # 8 ( @ ' / 8 4 ( , % . 8 # A # 3 4 9 + % ( , ' # 0 3 9 8 ' - , , % , # " ' ; % 0 # \$ % ? \$ . B % , # /  
; % 3 3 - # \$ ; / " ' / 8 # 4 . " # 8 % \$ 2 # ; ' / " \$ ' ; 1 8 4 ( 8 % 4 2 " / 7 C / A # ' 6 9 + / " ' ( 9 3 \$ ; # 7 3 \$ \* % '   
= 5 5 / , \$ ' \* " # A # : ; ' - / " / " ' ( rc.d .

## D \* - ( " E # / & (

1. < * / 8 / " ' / .....	1
2. E 0 ; ' 3 # * , % 6 % 8 % + ' .....	3
3. H ; ' - ' \$ ' * " 1 7 3 , ; ' : \$ .....	3
4. ) % 3 \$ ; % ' * % / - 1 7 5 ' , \$ ' * " 1 7 3 , ; ' : \$ .....	5
5. F % : 9 3 , ' # 3 \$ % " # * , % : ; # 3 \$ # A # 8 / - # " % .....	7
6. F % : 9 3 , ' # 3 \$ % " # * , % : ; # 8 * " 9 \$ # A # 8 / - # " % .....	9
7. H # 8 , 4 ? + / " ' / 3 , ; ' : \$ % , ' " 5 ; % 3 \$ ; 9 , \$ 9 ; / rc.d .....	13
8. H ; ' 8 % " ' / 0 # 4 2 C / 7 A ' 0 , # 3 \$ ' 3 , ; ' : \$ 9 rc.d .....	16
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D 3 \$ # ; ' + / 3 , ' \* BSD 0 1 4 - # " # 4 ' \$ " 1 7 3 \$ % ; \$ # \* 1 7 3 & / " % ; ' 7 / etc/rc . E " \* 1 6 1 \* % 4 3 ( init(8) \* #  
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3 ' 3 \$ / - , " % 3 \$ ; # 7 , 9 3 / \$ ' , 6 % : 9 3 , 8 / - # " # \* ' \$ % , 8 % 4 / . B # + " 1 7 3 : ' 3 # , 6 % 8 % + " / 0 1 4  
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: ; # & / 3 3 8 / - # " % , 6 % \* / ; C % \$ 2 / A # , . 8 % \$ 2 , : # , # " 8 / 7 3 \$ \* ' \$ / 4 2 " # 6 % \* / ; C ' \$ 3 ( , 6 % \$ / - ' 3 , % \$ 2 \*  
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6%: 93, % 8/- #"% . F%8%+% 3\$%" #' 4%32 /@G 34#. " // ' 0#4// : #8\*/;. /" "#7 #C' 0, %- , /34'  
349. 0% 3#3\$#(4% ' 6 " /3, #42, ' > 8/- #"' #' ' 4' \$; /0#\*%4% 8#: #4"' \$/42" 1> 8/73\$\*' 7. E8"' -  
34\*#- , /8" " 17 3, ; ' : \$ " / 3: ; %\*4(43( 3 \$/- , 84( +/A# 3, ; ' : \$1 \*##0@/ : ; /8"%6"%+/" 1:  
#04/A+%\$2 . ' 6" 2 %8- ' "' 3\$; %\$#; 9 3' 3\$/- 1.

H#6. / 014% : ; /8: ; ' " (\$% : #: 1\$, % ; %68/4' \$2 " /, #\$\$; 1/ +%3\$' /etc/rc 84( \*#6- #. " #3\$'  
#8/42" #A# 6%: 93, % "' 0#4// \*%. " 1> : #83' 3\$/- . D6\*/3\$' 1- : ; ' - /; #- 3\$%4 /etc/netstart,  
: ; /8"%6"%+/" " 17 84( "%3\$; #7, ' 3/\$' . I\$# : #6\*#4(4# : #49+' \$2 8#3\$9: , 3/\$' \*  
#8" #: #426\*#%\$/423, #- ; / . ' - /, " # : 4#># ' "\$/A; ' ; #\*%4#32 \* %\*\$#- %\$' +/3, ' 7 : ; #&/33  
6%: 93, %, \$%, , %, +%3\$' /A# , #8% \$; /0#\*%4#32 : /; /: 4/\$%\$23( 3 8/73\$\*' (- ' , : # 39\$' " /  
3\*(6%" " 1- ' 3 3/\$2?. D- /" " # : #=\$#- 9 /etc/netstart : ; /\*; %\$' 43( \* /etc/rc.network. H#34/8"' 7  
0#42C/ " / 014 #01+" 1- 3, ; ' : \$#- ; # " 3#3\$#(4 ' 6 0#42C' >, 6%: 9\$%" " 1> 59" , &' 7 sh(1),  
\* 161\*%/- 1> ' 6/etc/rc "% ; %6" 1>=\$%: %> 6%A; 96, ' 3' 3\$/- 1. E8"% , # : # - /; / \$A#, , %, 6%8%+'  
: ; ' 6%: 93, / 3\$%" #' 4' 32 ; %6" ##0; %6" // ' 34#. " //, " , %\*6' - #8942" 17" : #8>#8 3\$%4 /@G  
0#42C/7 #096#7, +/- - #"#4' \$" 17/etc/rc.

J/6 + ' 3\$#A# ' >#; #C# : ; #89- %" "#A#, %, , %3%, 3\$%; \$#\* 1/ 3, ; ' : \$1 \* 1" 9. 8/" 1 014' ' 8\$' "%  
\*3/\*#6- #. " 1/ 9>' @; /" ' (, +\$#01 98\*#4/\$\*#; ' \$2 : #\$\$; /0" #3\$' 013\$; # ; %6\*' \*%? @' >3( BSD-  
#; ' /" \$' ; #\*%" " 1> #: /; %&' # " " 1> 3' 3\$/- . < , # &/ , # &#\* 3\$%4# #+/\*' 8" #, +\$# " /#0>#8' - 1  
8#: #4"' \$/42" 1/ C%A' "% : 9\$' , 8/\$%4' 6' ; #\*%" "#7 ' ; %3C' ; (/ - #7 3' 3\$/- / rc. B%,  
: #(\*' 4%32 BSD rc.d. KG : ; ' 6"%" " 1- ' 3#68%\$/4(- ' 3\$%4' L?, M2? 0/; " ' 3##0@/3\$\*# NetBSD.  
H#6. / #"% 014% ' - : #; \$' ; #\*%"% \* FreeBSD. KG "%6%"' / #314%/ \$ , ; %3: #4#. /" ' ?  
3' 3\$/- " 1> 3, ; ' : \$#\* 84( #8/42" 1> 349. 0, , #\$\$; #/ "%>#8' \$3( \* /etc/rc.d. <3, #; / - 1 96" %/-  
0#42C/ # , #- : # " /" \$%> 3' 3\$/- 1 rc.d' 9\*' 8' - , , %, \* 161\*%? \$3( #8/42" 1/ 3, ; ' : \$1.

E3" #' 1/ ' 8/' , 4/. %@' / \* #3" #\*/ BSD rc.d, Ñ = \$# ! "#\$%& ' "()\*+##, ! + ' - . ! "/# "0  
1, - "\*" +2". % #10 \$" (% 3"# \$%& ' "()\*+##, ! + #6" %+/ \$, +\$# , %. 8%( 0%6#\*%( Ç349. 0%È, \$%, %( , %,  
3' 3\$/- " 17 8/- #"' ' 4' : ; ' - ' \$' \*% "( 6%8%+% 6%: 93, % , : #49+%/ \$ 3#03\$\*/" " 17 3&/"%; ' 7 sh(1),  
3: #3#0" 17 6%: 93\$' \$2 349. 09, #3\$%" #' \$2 /G, : /; /6%A; 96' \$2 ' 4' : ; #\*/; ' \$2 /G 3#3\$#(" ' /  
N# " , ; /\$# #/ 8/73\$\*' / \* 10' ; %/\$3( %; A9- /" \$#- , #- %" 8" #7 3\$; #, ' , : /; /8%" " 1- \* 3&/"%; ' 7.  
0&/"%; ' 7 /etc/rc : # - : ; / . " /- 9 9: ; %\*4(/ \$ 6%: 93, #- 3' 3\$/- 1, " # \$/ : /; 2 # " : ; #3\$# \* 161\*%/\$  
"/0#42C' / 3&/"%; ' ' #8' " 6% 8; 9A' - 3 %; A9- /" \$#- start. B%, . / 4/A, # \* 1: #4" (\$2 6%8%+'  
6%\*/; C/"' ( ; %0#\$1, 6%: 93, %( \$#\$ . / "%0#; 3&/"%; ' /\* 3 %; A9- /" \$#- stop, +\$# ' 8/4%/ \$  
/etc/rc.shutdown. E0; %\$' \$/ \*"' - %"' /, "%3, #42, # = \$# 04' 6, # 34/89/\$ Unix-: #8>#89, A8/  
' 3: #4269/\$3( "%0#; " /0#42C' > 3: /&' 4' 6' ; #\*%" " 1> ' " 3\$; 9- /" \$#\*, , %. 817 ' 6 , #\$\$; 1>  
\* 1: #4" (/ \$ 3\*#? 6%8%+9 "%' 49+C' - #0; %6#- . 4". ! "/# "0 1, - "\*" +2". % #10 \$" (% #6" %+/ \$, +\$#  
#0@' / #: /; %&' ' ; /%4' 6#\*%" 1 , %, 59" , &' ' sh(1) ' 3#0; %" 1 \* /etc/rc.subr. B/ : /; 2 \$' : ' + " 17  
3&/"%; ' 7 - #. / \$ 3#3\$#(\$2 \*3/A# ' 6 " /3, #42, ' > 3\$; #, , #8% sh(1). ) %, #"/&, \*%. " #7 +%3\$2?  
' " 5; %3\$; 9, \$9; 1 rc.d (\*4(/ \$3( rcorder(8), , #\$\$; 17 : #- #A%/ \$ /etc/rc 9: #; (8#+/" " # 6%: 93, %\$2  
"/0#42C' / 3&/"%; ' ' 3 9+G\$#- 6%\*' 3' - #3\$/7 - / . 89 " ' - ' . E" \$%, . / - #. / \$ : #- #+2  
/etc/rc.shutdown, : #3, #42, 9 : ; %\*' 42" 17 : #; (8#, 6%\*/; C/"' ( ; %0#\$1 : ; # \$' \*# : #4#. /"  
: #; (8, 9 6%: 93, %.

P' 6%7" BSD rc.d #: ' 3%" \* #; ' A' "%42" #7 3\$%\$2/ L?, % M2? 0/; "%, % , #- : # " /" \$1 rc.d  
: #8; #0" # 8#, 9- /" \$' ; #\*%" 1 \* 3##\$\*/\$3\$\*9? @' > 3\$; %"' &> 0: ; %\*#+" ' , %. E8"% , # " #' +, 9 \*  
rc.d - #. / \$ 01\$2 " /#+/\*' 8" #, , %, 3\*(6%\$2 - " #A#+ ' 34/" " 1/ =4/- /" \$1 \*- /3\$/, +\$#01 3#68%\$2  
>#; #C# 3\$; 9, \$9; ' ; #\*%" " 17 3, ; ' : \$ 84( , # " , ; /\$# #7 6%8%+' . H#=\$#- 9 \* = \$#7 3\$%\$2/ 098/\$  
: ; /8: ; ' " (\$% : #: 1\$, % #: ' 3%\$2 rc.d 3 8; 9A#A# ; %, 9; 3%. < " /7 098/\$ : #, %6%" #, , %, ' / 59" , &' '  
34/89/\$ ' 3: #426#\*%\$2 \* ; (8/ \$' : ' + " 1> 349+%/ \* ' : #+/- 9. E0; %\$' \$/ \*"' - %"' /, +\$# = \$# " /

;9,##\*#83\$\*# HowTo, :#3,#42,9 "%C% &/42 Ñ " / : ;/8#3\$%\*4/"' / A##\*1> ;/&/: \$#\*, %  
8/- #" 3\$;%&' ( "/3,#42,' >: ;#3\$1>3: #3#0#\* \*>#8\* - ' ; rc.d. B%, . /=\$% 3\$%\$2( "/ 6%- /" (/S  
3##\$\*/\$3\$\*9?@' / 3\$;% "' & 0: ;%\*#+"' ,%.) / 3\$/3" (7\$/32 #0; %@%\$23( , "' - 84( :#49+/"' (   
0#4// 5#; - %42" #7 ' : #4" #7 8#, 9- /" \$%&' ' \*#\* ; /- ( +\$/"' ( =\$#7 3\$%\$2' .

P4( : #' ' - "' ( =\$#7 3\$%\$2' /3\$2 : ;/8\*%; '\$/42" 1/ \$; /0#\*"' ( . H; /. 8/ \*3/A#, \*1 8#4. " 1  
01\$2 6"% , #- 1 3 (61, #- "%: ' 3%"' ( 3&/"%; ' /\* sh(1), +\$#01 #3\*#' \$2 rc.d. N; #- / \$##, \*1  
8#4. " 1 6"%\$2, ,%, 3' 3\$/- % \*1: #4" (/ \$ 6%8%+' 6%: 93, % ' 6%\*/; C/"' ( ;%0#\$1  
:#426#\*%\$/423, ## : ;#3\$;% 3\$% , +\$# #: ' 3%" # \* rc(8).

I\$% 3\$%\$2( : #3\*(@/"% \*/\$, / FreeBSD \* rc.d. B/- "/ - /"//, #'% - #. /\$ 01\$2 : #4/6"% '  
;%6;%0#\$+' , %- NetBSD, : #\$\$- 9 +\$# 8\*/ \*/\$, ' BSD rc.d "/ \$#42, # ;%68/4(?\$ #8' "%, #\* 17  
8' 6%7" , "# ' #3\$%? \$3( 3>#. ' - ' \*%3: /, \$%>, \*' 8' - 1>%\*\$#; %- 3, ;' : \$#\*.

## 2. 23" &) \* , \$# 4#- #' &

) /- "#A# ;%6- 1C4/"' 7 : /; /8 6%: 93, #- \$EDITOR "/ : #\* ; /8' \$. Q\$#01 "%: ' 3%\$2 >#; #C#  
: ; #89- %" " 17 3, ;' : \$ rc.d 84( 3' 3\$/- "#7 349. 01, 3"%+%4% "9. "# #\$/ '\$ \$2 "% 34/89?@' /  
\*#; ; #31:

¥ R\*4(/\$3( 4' 349. 0% #0(6%\$/42" #7 ' 4' #: &' #' %42" #7?

¥ J98/\$ 4' 3, ;' : \$ #0349. ' \*%\$2 #8"9 : ; #A; %- 9, "%: ;' - /; , 8/- #", ' 4' \*1: #4" (\$2 0#4//  
34#. " 1/ 8/73\$\*' (?)

¥ ES , %, ' > 8; 9A' > 349. 0 6%\*' 3' \$ "%C% 349. 0%, ' "%#0#; #S?

D6 34/89?@' >: ;' - /; #\* - 1 9\*' 8' - , : #+/- 9\*% . "# 6"%\$2 #\$/ \$1 "%=\$' \*#; ; #31.

## 3. ! " &5&%&, /67 )\$ " &. %

04/89?@' 7 3, ;' : \$ : ; #3\$# \*1\*#8' \$ 3##0@/"' / , % . 817 ; %6 : ; ' 6%A; 96, / 3' 3\$/- 1:

```
#!/bin/sh !  
  
. /etc/rc.subr "  
  
name="dummy" #  
start_cmd="${name}_start" $  
stop_cmd=":" %  
  
dummy_start() &  
{  
    É echo "Nothing started."  
}  
  
load_rc_config $name '  
run_rc_command "$1" (
```

<# \$ + \$ # 34/89/\$ 9+' \$ 1 \*%\$2:

S D" \$/; ; /\$' ; 9/- 17 3, ; ' : \$ 8#4. /" "%+' "%\$23( 3 "#4C/O" #7" 3\$; #, ' shebang. I \$% 3\$; #, % 9, %61 \*%/\$ : ; #A; %- - 9-' "\$/; ; /\$%\$#; 84( 3, ; ' : \$%. J4%A#8%; ( 3\$; #, / shebang 3, ; ' : \$ - #. /\$ 01\$2 6%: 9@/" \$#+ " # \$%, . /, , %, 0' "%; "( : ; #A; %- - %, ; ' 934#\*' ' +\$# 9 " /A# 93\$%" #\*4/" 0' \$ \* 1: #4" /"' ( (0- . chmod(1.) ) %: ; ' - /; , 3' 3\$/- " 17 %8- ' "' 3\$; %\$#; - #. /\$ 6%: 93\$' \$2 "%C 3, ; ' : \$ \*; 9+" 9? ' 6, #- "% 8" #7 3\$; #, ' :

```
# /etc/rc.d/dummy start
```

!

P4( , #; ; /, \$" #A# 9: ; %\*4/" ' ( \* ; %- , %> rc.d 3, ; ' : \$ 1 8#4. " 1 01\$2 "%: ' 3%" 1 "% (61, / sh(1). K34' 9 \*%3 /3\$2 349. 0% ' 4' : #; \$, , #\$\$; 17 ' 3: #4269/\$ 8\*#' +' 9? 9\$' 4' \$9 9: ; %\*4/" ' ( ' 4' : ; #&/89; 9 6%: 93, %, "%: ' 3%" " 9? "% 8; 9A#- (61, /, 93\$%" #\*' \$/ =\$#\$ , #- : #/" \$ \* /usr/sbin (84( 3' 3\$/- 1) ' 4' /usr/local/sbin (84( : #; \$#\*) ' \* 16#\*' \$/ /A# ' 6 sh(1) 3, ; ' : \$% \* 3##\$\*/\$3\$\*9? @/- , %\$%4#A/ rc.d.

!

K34' \* 1 >#\$' \$/ 96"%\$2 : #8; #0" #3\$' # \$#- , : #+/- 9 3, ; ' : \$ 1 rc.d 8#4. " 1 01\$2 "%: ' 3%" 1 "% (61, / sh(1), ' 69+' \$/, , %, /etc/rc \* 161\*%/\$ ' > 3 : #- #@2? run\_rc\_script, % 6%\$/- ' 69+' \$/ ; /%4' 6%&' ? run\_rc\_script \* /etc/rc.subr.

T < 5%74/ /etc/rc.subr #: ; /8/4/" # " /3, #42, # 59", &' 7 sh(1), , #\$\$; 1/ - #A9\$ ' 3: #426#\*%\$23( 3, ; ' : \$%- ' rc.d. I \$' 59", &' ' #: ' 3%" 1 \* rc.subr(8). U#\$( \$/#; /\$' +/3, ' \*#6- #. " # "%: ' 3%" \$2 3, ; ' : \$ rc.d 0/6 ' 3: #426#\*%" ( rc.subr(8), /A# 59", &' ' #, %61\*%? \$3( +; /6\*1+%7" # : #4/6" 1- ' ' 6"%+' \$/42" # 9: ; #@%? \$ 6%8%+9. H#=#- 9 " /98' \*' \$/42" #, +\$# \*3/ ' 3: #4269? \$ rc.subr(8) \* 3, ; ' : \$%> rc.d. M1 " / 098/- ' 3, 4? +/" ' /- .

V%74 rc.d 8#4. /" ": #8A; 96' \$2" (/etc/rc.subr, \*, 4? +' \$2 /A# 3 : #- #@2? òó) (" \* 16#\*% 59", &' 7 rc.subr(8), +\$#01 9 sh(1) 014% \*#6- #. "#3\$2 6"%\$2 #0 =\$' > 59", &' (> 6%; %" // . H; /8: #+\$' \$/42" 17 3\$' 42 Ñ : #8A; 9. %\$2 /etc/rc.subr \* 3%- #- "%+%4/.

!

) /, #\$\$; 1/ : #4/6" 1/ 59", &' ' , 3\*(6%" " 1/ 3 3/\$2?, : ; /8#3\$%\*4(? \$3( 8; 9A' - \*, 4? +%/ - 1- 5%74#- Ñ /etc/network.subr.

WE0(6%\$42" % ( : /; /- /" "% ( name #: ; /8/4(/\$ ' - ( "%C/A# 3, ; ' : \$%. E"% \$; /09/\$3( rc.subr(8). B# /3\$2, , %. 817 3, ; ' : \$ \* rc.d (" \* 50# 93\$%" #\*' \$2 name : /; /8 \* 16#\*#- 59", &' 7 rc.subr(8).

B/: /; 2 3%- #/ \*; /- ( ; %6 ' "%\*3/A8% \* 10; %\$2 9" ' , %42" #/ ' - ( 84( "%C/A# 3, ; ' : \$%. M1 098/- ' 3: #426#\*%\$2 /A# \* " /3, #42, ' > - /3\$%> : ; ' ; %6; %0#\$, / 3, ; ' : \$%. 0#8/; . ' - #/ : /; /- /" #7 name 8#4. "# 3##\$\*/\$3\$\*#%\$2 ' - /"' 3, ; ' : \$%, \$%, , %, "/, #\$\$; 1/ +%3\$' FreeBSD (" : ; ' - /; , 3/; \*' 3" 1/ , 4/\$, ' (jail) ' 59", &' ( cpuset \* rc framework) 6%\*' 3(\$ # \$ = \$ # A#. B%, ' - #0; %6#- , ' - ( 5%74% \$%, . / " / 8#4. "# 3#8/; . %\$2 3' - \*#4#\*, , #\$\$; 1/ - #A9\$ \* 16\*%\$2 : ; #04/- 1 \* 3, ; ' : \$%> (" : ; ' - /; , "/ ' 3: #42697\$ / 8/5' 3 "- ' 8; 9A' /).

!

B/, 9@' 7 3\$' 42 "%: ' 3%" ' ( 3, ; ' : \$#\* \* rc.d 6%, 4? +%/ \$3( \* 6%, 4? +/" ' ' 6"%+/" ' 7, : ; ' 3\*%' %/- 1> : /; /- /" " 1- , \* 8\*#7" 1/ , %\* 1+, ' . D- /7\$ / \* ' 89, +\$# =\$# \*3/A# 4' C2 \*#: ; #3 3\$' 4( , #\$\$; 17 - #. /\$ 01\$2 " / \*3/A8% : ; ' - /" ' - .

<1 - #. /\$/ 0/6#: %3" # #: 93\$' \$2 , %\*1+, ' \*#, ;9A : ;#3\$1> 34#\* 0/6  
- /\$%3' - \*#4#\* sh(1), \$#A8% , %, \* "/, #S#; 1> 349+%( > \*- :#" %8#0(\$3(  
#8' "%; " 1/ , %\*1+, ' , +\$#01 : ; /8#S\*; %\$' \$2 ' "\$/; : ; /\$%&' ? 6"%+/" ' ( sh(1).  
H; #A; %- - ' 3\$ 8#4. /" 9- /\$2 #S4' +%S2 3' "\$%, 3' 3 (61, % #S 3\$' 4/\*1>  
3#A4C/" ' 7' ; %69- " # ' 3: #426#\*%\$2 ' \$#, ' 8; 9A#/.  
X E3" #\*"%( ' 8/( rc.subr(8) 6%, 4? +%/ \$3( \* \$#- , +\$# 3, ; ' : \$ rc.d : ; /8#3\$%\*4(/\$ #0; %0#\$+' , '  
( ' 4' - /\$#81) 84( \*16#\*% rc.subr(8). < +%3\$" #3\$' , %; A9- /" \$1 start, stop ' 8; 9A' /,  
: /; /8%\*%/- 1/ \* 3, ; ' : \$ rc.d, #0; %0#\$1\*%? \$3( \$%, ' - #0; %6#- . M/\$#8 : ; /83\$%\*4(/\$ 3#0#7  
\*1; % . /" ' / sh(1), 3#>; %" G" "#/ \* : /; /- /" "#7 3 ' - /" /- argument\_cmd, A8/ argument  
3##\$\*/\$3\$\*9/\$ \$#- 9, +\$# - #. /\$ 01\$2 9, %6%" # \* , #- "% 8"#7 3\$; #, / 3, ; ' : \$%. P%4// - 1 9\* ' 8' - ,  
, %, rc.subr(8) : ; /8#3\$%\*4(/\$ 3\$%" 8%; \$" 1/ - /\$#81 84( \$' : #\*1>%; A9- /" \$#\*.

!

Q\$#01 38/4%\$2 , #8 \* rc.d 0#4// /8' " ##0; %6" 1- , #01+" # ' 3: #4269? \$ \${name}  
\*/68/, A8/ =\$# 9- /3\$" #. B%, ' - #0; %6#- , - "#. /3\$\*# 3\$; #, - #. " # : ; #3\$#  
, #: ' ; #\*%\$2 ' 6 #8" #A# 3, ; ' : \$% \* 8; 9A#7.

Y 04/89/\$ : #- "' \$2, +\$# rc.subr(8) : ; /8#3\$%\*4(/\$ - /\$#81 : # 9- #4+" ' ? 84( 3\$%" 8%; \$" 1>  
%; A9- /" \$#\*. 04/8#\*%\$/42" #, /34' - 1 >\$' - , +\$#01 3\$%" 8%; \$" 17 - /\$#8 "' +/A# " / 8/4%4, - 1  
8#4. " 1 : /; /#: ; /8/4' \$2 /A# 3: #- #@2? no-op sh(1) \*1; % . /" ' (.

Z B/4# 34#. "#A# - /\$#8% - #. /\$ 01\$2 ; /%4' 6#\*%" # \* \*' 8/ 59", &' ' . U#; #C/7 : ; %, \$' , #7  
(\*4(/\$3(' 3: #426#\*%" ' / #3- 134/" "#A# ' - /" ' 59", &' ' .

||

) %3\$#(\$/42" # ; /, #- /" 89/\$3( 8#0\*4(\$2 : ; /5' , 3 \${name} , ' - /" %- \*3/>  
59", &' 7, #: ; /8/4G" " 1> \* "%C/- 3, ; ' : \$/, +\$#01 #"' " , #A8% " /  
, # " 54' , \$#\*%4' 3 59", &' (- ' ' 6 rc.subr(8) ' 4' 8; 9A#A# #0@/A# \* , 4? +%/ - #A#  
5%74%.

[ I \$#\$ \*16#\* rc.subr(8) 6%A; 9. %/\$ : /; /- /" " 1/ rc.conf(5).) %C 3, ; ' : \$ : #, % ' > " / ' 3: #4269/\$,  
" # \*3G ; %\*" # ; /, #- /" 89/\$3( 6%A; 9. %\$2 rc.conf(5), : #S#- 9 +\$# - #A9\$ 01\$2 : /; /- /" " 1/  
rc.conf(5), 9: ; %\*4(? @' / 3%- ' - rc.subr(8).

\ E01+" # =\$# : #34/8" (( , #- "% 8% \* 3, ; ' : \$/ rc.d. E"% \*161\*%/\$ - />" ' 6- rc.subr(8) 84(  
\*1: #4/" ' ( 6%: ; #C/" "#A# 8/73\$\*' ( , ' 3: #4269( : /; /- /" " 1/ ' - /\$#81, : ; /8#3\$%\*4/" " 1/  
"%C' - 3, ; ' : \$#- .

## 4. 8#)% " #&, # (567 9&\$%&, /67) \$" &. %

B/: /; 2 8#0%\*' - " /, #S#; 1/ =4/- /" \$1 9: ; %\*4/" ' ( \* "%C \$/3\$##\*17 3, ; ' : \$ . N%, %- - #. /\$  
01\$2 ' 6\*/3\$" #, 3, ; ' : \$1 rc.d 9: ; %\*4(? \$3( 3 : #- #@2? rc.conf(5). N 3+%3\$2?, rc.subr(8)  
3, ; 1\*%/\$ \$# "%3 \*3/ 34#. "#3\$' . 04/89? @' 7 3, ; ' : \$ ' 3: #4269/\$ rc.conf(5) +/; /6 rc.subr(8),  
+\$#01 : ; #\*/; ' \$2, \* , 4? +/" 4' # " ##0@/, ' : #49+' \$2 3##0@/" ' / 84( #S#0; % . /" ' ( \*#\* ; /- ( 6%A; 96, ' . I \$' 8\*/ 6%8%+' "% 3%- #- 8/4/ " /6%\*' 3' - 1. 0 #8" #7 3\$#; # " 1, 3, ; ' : \$ rc.d - #. /\$  
: ; #3\$# : #88/; . ' \*%\$2 \* , 4? +/" ' / ' \*1, 4? +/" ' / 3\*#/A# 3/; \*' 3%. 0 8; 9A#7 3\$#; # " 1,  
#0(6%\$/42" 17 3, ; ' : \$ rc.d - #. /\$ ' - /\$2 : /; /- /" " 1/ , # " 5' A9; %&' ' . E8" %, # - 1 ; /%4' 69/-  
#0/ \*#6- #. " #3\$' \* #8" #- 3, ; ' : \$/:

```
#!/bin/sh

. /etc/rc.subr

name=dummy
rcvar=dummy_enable !

start_cmd="${name}_start"
stop_cmd=":"

load_rc_config $name "
: ${dummy_enable:=no} #
: ${dummy_msg="Nothing started."} $

dummy_start()
{
    echo "$dummy_msg" %
}

run_rc_command "$1"
```

Q\$# ' 6- /" ' 4#32 \* =S#- : ; ' - /; /?

S H; /- /" "%( rcvar #: ; /8/4(/\$ ' - ( : /; /- /" "#7-: /; /, 4? +%S/4( ON/OFF.

T B/: /; 2 load\_rc\_config \* 161 %/\$3( ; %" 2C/ \* 3, ; ' : \$/, 8# #0; %@/" ' ( , 4? 01- : /; /- /" " 1- rc.conf(5).

!

H; ' ' 69+/" ' ' 3, ; ' : \$#\* \* rc.d 34/89/\$ : #- " ' \$2, +\$# sh(1) #\$, 4%81 %/\$ \* 1+' 34/" ' / \* 1; %, /" ' 7 \* 59", &' ' 8# /G \* 16#\*%. H#=\$#- 9 " / 098/\$ #C' 0, #7 \* 16\*%\$2 load\_rc\_config "/: #3; /83\$\*/" "# : /; /8 run\_rc\_command ' : ; ' =S#- #0; %@\$23( , : /; /- /" " 1- rc.conf(5) ' 6 59", &' 7 - /\$#8#\*, =, 3: #: \$' ; 9/- 1> \* run\_rc\_command. I\$# 3\*(6%" # 3 \$/- , +\$# 59", &' ' - /\$#8#\* \* 161 %/? \$3( run\_rc\_command, , #S#; 17 \* 1: #4" (/S3( - ", \*0 load\_rc\_config.

W run\_rc\_command \* 18%3\$ : ; /89: ; /. 8/" ' /, /34' : /; /- /" "%( rcvar 93\$%" #\*4/" %, " # 9, %6%" "%( : /; /- /" "%(-54%A " / 6%8%" %. K34' \*%C 3, ; ' : \$ rc.d : ; /8" %6" %+/ " 84( 0%6#\*#7 3' 3S/- 1, \* 1 8#4. " 1 8#0%\*' \$2 6" %+/ " ' / : # 9- #4+% " ' ? 84( 54%A% \* /etc/defaults/rc.conf ' 6%8#, 9- /" \$' ; #\*%\$2 /A# \* rc.conf(5). < : ; #S' \* " #- 349+%/ \*%C 3, ; ' : \$ 8#4. /" : ; /8#3\$%\*' \$2 6" %+/ " ' / : # 9- #4+% " ' ? 84( 54%A%. N%" # " ' +/3, ' 7 : #8>#8 84( : #34/8" /A# 349+%( : #, %6%" \* : ; ' - /; /.

!

< 1 - #. /\$ / 6%3\$%\*' \$2 rc.subr(8) 8/73\$\*#\*%\$2 \$%, , %, /34' 01 : /; /, 4? +%S/42 93\$%" #\*4/" \* ON, " /6%\*' 3' - # #S /A# \$/, 9@/A# 6" %+/ " ' ( , 8#0%\*' \* : /; /8 %; A9- /" \$#- 3, ; ' : \$ : ; /5', 3 one ' 4' force, "%: ; ' - /; onestart ' 4' forcestop. E8" %, # 9+\$' \$/, +\$# force ' - // \$ 8; 9A' / #: %3" 1/ =55/, \$1, , #S#; 1/ - 1 6%\$; #"/- " ' . /, \$#A8%, %, one : ; #3\$# : /; /#: ; /8/4(/\$ : /; /, 4? +%S/42 ON/OFF. ) %: ; ' - /; , : ; /8: #4#. ' - , +\$# dummy\_enable 93\$%" #\*4/" \* OFF. 04/89? @%(

, #- %" 8% \* 1: #4"' \$ - /\$#8 start, "/3- #S; ( "% "%3S; #7, 9:

```
# /etc/rc.d/dummy onestart
```

X B/: /; 2 3##0@/" ' /, #S#0; %. %/- #/ : ; ' 6%A; 96, /, 0#42C/ "/ . G3S, # 6%, #8' ; #\*" # \* 3, ; ' : \$/.  
E" # 6%8%/\$3( : /; /- /" "#7 dummy\_msg \* rc.conf(5). I\$# : ; #3\$#7 : ; ' - /; \$A#, , %, : /; /- /" " 1/  
rc.conf(5) - #A9\$ 9: ; %\*4(\$2 3, ; ' : \$#- \* rc.d.

''

D- /"% \*3/> : /; /- /" " 1> rc.conf(5), ' 3: #4269/- 1> ' 3, 4?+' \$/42"# "%C' -  
3, ; ' : \$#- , ( "\*5#6 ' - /\$2 #8' " ' \$S\$ . / : ; /5' , 3: \${name}\_. ) %: ; ' - /; :  
dummy\_mode, dummy\_state\_file' \$%, 8%4//.

!

U#\$ ( - #. "# ' 3: #426#\*%\$2 0#4// , #; #S, #/ ' - ( \*" 9S; ' , "%: ; ' - /; , : ; #3\$# msg,  
8#0%\*4/" ' / 9" ' , %42" #A# : ; /5' , 3% \${name}\_ , # \*3/- A4#0%42" 1- ' - /" %- ,  
\*\*#8' - 1- "%C' - 3, ; ' : \$#- , ' 60%\*' \$ "%3 #S \*#6- #. " 1> , #" 54' , \$\*# 3  
: ; #3S; %" 3S\*#- ' - G" rc.subr(8).

N%, : ; %\* ' 4# , 3, ; ' : \$1 rc.d 0%6##\*#7 3' 3S/- 1 " / 8#4. " 1 : ; /8#3S%\*4(\$2  
6"%+/" ' ( : # 9- #4+%'' ? 84( 3\*#' > : /; /- /" " 1> rc.conf(5), : #3, #42, 9  
6"%+/" ' ( : # 9- #4+%'' ? 8#4. " 1 01\$2 93S%" #\*4/" 1 \* /etc/defaults/rc.conf. 0  
8; 9A#7 3S#; #" 1, 3, ; ' : \$1 rc.d 84( : #; \$\*# 8#4. " 1 : ; /8#3S%\*4(\$2 6"%+/" ' ( :  
# 9- #4+%'' ? , , %, : #, %6%" # \* : ; ' - /; /.

Y F8/32 - 1 ' 3: #4269/- dummy\_msg 84( 5%, \$' +/3, #A# 9: ; %\*4/" ' ( "%C' - 3, ; ' : \$#- , \$./, 84(  
\* 18%+' : /; /- /" "#A# 3##0@/" ' ( . D3: #426#\*%" ' / shell-59", &' ' 68/32 ' 601\$#+ "#, \$%, , %, #  
#" % \* 1: #4" (/ \$ \$42, # #8" 9 , #- %" 89; ; %\*" #6" %+" #7 %42\$/; "%S' \*#7 (\*4(/\$3(:

```
start_cmd="echo \"$dummy_msg\""
```

## 5. : #. +) \$ & \*)%#/\*, \$# . " \*)%\*; \* - (5\* /#

M1 ; %" // A#\*#; ' 4' , +\$# rc.subr(8) - #. /\$ : ; /8#3S%\*4(\$2 - /\$#81 : # 9- #4+%'' ? . E+/\*' 8" #,  
+\$# \$%, ' / - /\$#81 " / - #A9\$ 01\$2 34' C, #- #0@' - ' . E" ' : #8>#8(\$ 84( 3S%" 8%; \$" #A# 349+%(  
6%: 93, % ' #3S%" #\*, ' : ; #3\$#A# 8/- #"%. H; /8: #4#. ' - , +\$# "%- " 9. " # "%: ' 3%\$2 3, ; ' : \$ rc.d  
84( \$%, #A# 8/- #"% 3' - /" /- mumbled. <#S #":

```
#!/bin/sh
```

```
. /etc/rc.subr
```

```
name=mumbled
```

```
rcvar=mumbled_enable
```

```
command="/usr/sbin/${name}" !
```

```
load_rc_config $name
run_rc_command "$1"
```

H; ' (\$" # : ; #3\$#, " / \$%, 4' ? P%\*%7\$ / ; %33- # \$; ' - "%C " /0#42C#7 3, ; ' : \$ . K8' " 3\$\* / " # / " #\*# / , "% +\$# 3\$# ' \$ #0; %\$' \$2 \* " ' - %" ' / , =\$# 34/89? @ / / :

S H / ; / - / " " % ( command ' - // \$ 6 "% + / " ' / 84 ( rc.subr(8). K34' # " % 93\$% " #\*4 / " %, rc.subr(8) 098 / \$ 8 / 73\$ \* # \* % \$2 : # 3 & / " % ; ' ? #0349. ' \* % " ' ( #01 + " #A# 8 / - # " % . < + %3\$ " #3\$ ' , 0989\$ : ; / 8 # 3\$ % \* 4 / " 1 3\$ % " 8 % ; \$ " 1 / - / \$ # 81 84 ( \$ %, ' > % ; A9 - / " \$ # \* : start, stop, restart, poll ' status.

P / - # " 098 / \$ 6% : 9 @ / " \* 1 : # 4 " / " ' / - \$command 3 54%A%- ' , #- % " 8 " # 7 3\$ ; # , ' , 9 , % 6 " " 1 - ' \* \$mumbled\_flags. B%, ' - #0; %6#- , \*3/ \* > #8" 1 / 8% " " 1 / 84 ( - / \$ # 8% start : # 9- # 4 + " " ' ? 8#3\$9: " 1 \* : / ; / - / " " 1 > , 93\$% " #\*4 / " " 1 > "%C" - 3, ; ' : \$ #- . < # \$ 4 ' + ' / # \$ start , 8; 9A / - / \$ # 8 1 - #A9\$ \$ ; / 0 # \* % \$ 2 8# : # 4 " ' \$ / 42 " # 7 ' " 5# ; - % & ' ' # 6% : 9 @ / " " #- : ; # & / 33 / . ) % : ; ' - / ; , stop 8#4. / " 6 " % \$ 2 PID : ; # & / 33% , + \$ # 01 6% \* / ; C ' \$ 2 / A# . < 8% " " #- 349 + % / , rc.subr(8) 098 / \$ : ; # 3- % \$ ; ' \* % \$ 2 3 : ' 3# , \* 3 / > : ; # & / 33 # \* , ' @ % : ; # & / 33 3 ' - / " / - , ; % \* " 1 - procname. H # 34 / 8 " " 7 (\* 4 / \$ 3 ( / @ G # 8 " # 7 6 " % + / " ' - # 7 : / ; / - / " " # 7 84 ( rc.subr(8), ' / G 6 " % + / " ' / : # 9- # 4 + " " ' ? 3#\* : % 8 % / \$ 3 # 6 " % + / " ' / - command. P ; 9A ' - ' 34 # \* % - ' , , #A8% - 1 93\$% " #\*4 ' \* % / - command, procname 5%, \$ ' + / 3 , ' 93\$% " #\*4 ' \* % / \$ 3 ( \* \$ # . / 6 " % + / " ' / . I \$ # : # 6 \* # 4 ( / \$ " % C / - 9 3 , ; ' : \$ 9 6% \* / ; C ' \$ 2 8 / - # " ' : ; # \* / ; ' \$ 2 , 6% : 9 @ / " 4 ' # " \* # 0 @ / .

) / , # \$ # ; 1 / : ; # A ; % - - 1 " % 3% - #- 8 / 4 / (\* 4 (? \$ 3 ( ' 3 : # 4 " ( / - 1 - ' 3 , ; ' : \$ % - ' . 0 ' 3 \$ / - % 6% : 93 , % / \$ \$ %, ' / 3 , ; ' : \$ 1 , 6% : 93 , % ( ' > ' " \$ / ; : ; / \$ % \$ # ; ' : / ; / 8 % \* % ( / - 9 ' - ( 3 , ; ' : \$ % \* , % + / 3 \$ \* / % ; A9 - / " \$ % , #- % " 8 " # 7 3\$ ; # , ' . I \$ # # \$ ; % . % / \$ 3 ( \* 3 : ' 3 , / : ; # & / 33 # \* , + \$ # - # . / \$ 30 ' \$ 2 3 \$ # 4 , 9 rc.subr(8). P# : # 4 " ' \$ / 42 " # 34 / 89 / \$ 93\$% " #\* ' \$ 2 command\_interpreter , + \$ # 01 rc.subr(8) 6 " % 4 5% , \$ ' + / 3 , # / ' - ( : ; # & / 33% , / 34 ' \$command (\* 4 / \$ 3 ( 3 , ; ' : \$ #- .

!

P4 ( , % . 8 # A # 3 , ; ' : \$ % rc.d 39 @ / 3 \$ \* 9 / \$ " / # 0 ( 6 % \$ / 42 " % ( : / ; / - / " " % ( rc.conf(5) , # \$ # ; % ( ' - // \$ : ; ' # ; ' \$ / \$ " % 8 command. KG ' - ( 5# ; - ' ; 9 / \$ 3 ( 34 / 89 ? @ ' - # 0 ; % 6# - : \${name}\_program , A8 / name N̄ = \$ # # 0 ( 6 % \$ / 42 " % ( : / ; / - / " " % ( , , # \$ # ; 9 ? - 1 # 039. 8 % 4 ' ; % " // . ) % : ; ' - / ; , \* 8% " " #- 349 + % / = \$ # 098 / \$ mumbled\_program. D - / " " # rc.subr(8) # 0 / 3 : / + ' \* % / \$ : / ; / # : ; / 8 / 4 / " ' / command 3 : #- # @ 2 ? \${name}\_program.

N# " / + " # , sh(1) : # 6 \* # 4 ( / \$ 93\$% " #\* ' \$ 2 \${name}\_program ' 6 rc.conf(5) ' 4 ' 3% - # A # 3 , ; ' : \$ %, 8% . / / 34 ' command " / 6% 8% " . < = \$ #- 349 + % / 3 : / & ' % 42 " 1 / 3 \* # 73\$ \* % \${name}\_program \$ / ; (? \$ 3 ( , ' # " % 3\$% " #\* ' \$ 3 ( # 01 + " # 7 : / ; / - / " " # 7 , , # \$ # ; 9 ? \* % C 3 , ; ' : \$ - # . / \$ ' 3 : # 426 # \* % \$ 2 84 ( 3 \* # ' > & / 4 / 7. E8 " % , # ' 3 : # 426 # \* % " ' / \${name}\_program \* # 8 ' " # + , 9 " / ; / , #- / " 89 / \$ 3 ( , \$ %, , % , 3 # \* - / 3 \$ " # / ' 3 : # 426 # \* % " ' / 3 command 3 \$ % 4 # ' 8 ' #- # 7 \* rc.d 3 , ; ' : \$ % > .

P4 ( : # 49 + / " ' ( 0 # 4 // : # 8 ; # 0 " # 7 ' " 5# ; - % & ' ' # 3\$% " 8% ; \$ " 1 > - / \$ # 8 % > # 0 ; % \$ ' \$ / 32 , rc.subr(8).

6. : #. +) \$ & \*)%#/\*, \$# . " \*- , &/+%\*; \*  
- (5\* /#

P#0%\*' - " /- "#A# - (3% , , #3\$(- : ; /8189@/A# 3, ; ' : \$% ' 38/4%/- /A# 0#4// 34#. " 1- ' 59", &' #"%42" 1- . 0\$%" 8%; \$" 1/ - /\$#81 - #A9\$ >#; #C# 3: ; %\*4(\$23( 3 6%8%+%- ' , "# ' "#A8% \$; /09/\$3( ' > \$#", %( "%3\$; #7, %. B/: /; 2 - 1 96"%/- , , %, %8%: \$' ; #\*%\$2 3\$%" 8%; \$" 1/ - /\$#81 : #8 "%C' " 9. 81.

```
#!/bin/sh

. /etc/rc.subr

name=mumbled
rcvar=mumbled_enable

command="/usr/sbin/${name}"
command_args="mock arguments > /dev/null 2>&1" !

pidfile="/var/run/${name}.pid" ""

required_files="/etc/${name}.conf /usr/share/misc/${name}.rules" #

sig_reload="USR1" $

start_precmd="${name}_prestart" %
stop_postcmd="echo Bye-bye" &

extra_commands="reload plugh xyzzy" '

plugh_cmd="mumbled_plugh" (
xyzzy_cmd="echo 'Nothing happens.'"

mumbled_prestart()
{
    if checkyesno mumbled_smart; then )
        rc_flags="-o smart ${rc_flags}" *
    fi
    case "$mumbled_mode" in
        foo)
            rc_flags="-frotz ${rc_flags}"
            ;;
        bar)
            rc_flags="-baz ${rc_flags}"
            ;;
        *)
            warn "Invalid value for mumbled_mode" +
            return 1 ,
            ;;
    }
}
```

```

Ē esac
Ē run_rc_command xyzzy -
Ē return 0
}

mumbled_plugh() .
{
Ē echo 'A hollow voice says "plugh".'
}

load_rc_config $name
run_rc_command "$1"

```

S P#: #4" ' \$/42" 1/ %; A9- /" \$1 84( \$command - #A9\$ 01\$2 : /; /8%" 1 \* command\_args. E" ' 0989\$ 8#0%\*4/" 1 \* , #- %" 8" 9? 3\$; #, 9 : #34/ \$mumbled\_flags. H#3, #42, 9 ' \$A#\*( , #- %" 8" ( 3\$; #, % : /; /8%G\$3( \* eval 84( 5%, \$' +/3, #A# \* 1: #4" /" ' (, : /; /" %: ; %\*4/" ' ( \*\*#8% ' \* 1\*#8% - #A9\$ 01\$2 9, %6%" 1 \* command\_args.

!

```

) ', #A8% " / *, 4? +%7$ / : %; %- /$; 1 3 8/5' 3%- ' , $%, ' / , %, -X ' 4' --foo, *
command_args. 0#8/; . ' - #/ command_args 098/$ 8#0%*4/" # * , #"/& ' $A#*#7
, #- %" 8" #7 3$; #, ' , : #=$#- 9, 3, #; // *3/A#, #, %. /$3( : #34/ %; A9- /" $#*,
9, %6%" " 1> * ${name}_flags; #8"% , # 0#42C' " 3$*# , #- %" 8 " / ; %3: #6"%? $
: %; %- /$; 1 3 8/5' 3%- ' : #34/ #01+" 1> %; A9- /" $#*. L9+C' 7 3: #3#0 : /; /8%$2
8#: #4" ' $/42" 1/ : %; %- /$; 1 * $command ĩ 8#0%*' $2 ' > * "%+%4# ${name}_flags.
P; 9A#7 3: #3#0 ĩ ' 6- /" ' $2 rc_flags , %, : #, %6%" # 8%4//.

```

T </. 4' \* 17 8/- #" 8#4. /" 3#68%\*\$2 pidfile, +\$#01 /A# : ; #&/33 - #. "# 014# "%7\$' : ; #@/ ' "%8G. " // . H; /- /" "%( pi dfi le, /34' #" % 93\$%" #\*4/" %, 9, %6 1 \*%/\$ rc.subr(8), A8/ - #. "# "%7\$' pidfile 84( ' 3: #426#\*%" ' ( /A# 3\$%" 8%; \$" 1- ' - /\$#8%- ' .

!

```

) % 3%- #- 8/4/, rc.subr(8) $%, . / ' 3: #4269/$ pidfile 84( : ; #*/; , ' , 6%: 9@/" 4'
8/- #" , : /; /8 /A# 6%: 93, #- . I $9 : ; #*/; , 9 - #. "# : ; #: 93$' $2, ' 3: #4269(
%; A9- /" $ faststart.

```

W K34' 8/- #" " / - #. /\$ ; %0#\$%\$2 0/6 #: ; /8/4G" " 1> 5%74#\*, : ; #3\$# 9, %. '\$/ ' > \* required\_files, ' rc.subr(8) : ; #\*/; '\$ ' > "%4' + ' / : /; /8 6%: 93, #- 8/- #"%. B%, . / 39@/3\$\*9? \$ required\_dirs ' required\_vars 84( , %\$%4#A#\* ' : /; /- /" " 1> #, ; 9. /" ' ( 3##\$\*/\$3\$\*/" "#. <3/ #" ' : #8; #0" # #: ' 3%" 1 \* rc.subr(8).

!

```

M/$#8 : # 9- #4+%" ' ? ' 6 rc.subr(8) - #. "# : ; ; " 98' $/42" # 6%3$%' $2
: ; #: 93$' $2 : ; #*/; , ' : ; /8%"; '$/42" 1> 934#*' 7, ' 3: #4269( %; A9- /" $
forrestart * 3, ; ' : $/.

```

X M1 - #. /- "%3\$; #' \$2 3' A"%41, #\$: ; %\*4(/- 1/ 8/- #" 9, /34' #' ' #4' +%? \$3( # \$ #0@/' 6\*/3\$" 1>. < +%3\$" #3\$' , sig\_reload 9, %61 \*%/\$ 3' A"%4, , #\$\$; 17 6%3\$%\*4(/\$ 8/- #" % : /; /6%A; 96' \$2 3\*#? , #' 5' A9; %&' ? ; : # 9- #4+%" ' ? =#\$ SIGHUP. P; 9A#7 3' A"%4 #\$: ; %\*4(/\$3( 84( #3\$%" #\*, ' : ; #&/33% 8/- #"%; : # 9- #4+%" ' ? ' 3: #4269/\$3( SIGTERM, "# =\$# - #. "# ' 6- /" ' \$2, 93\$%" #\*' \* sig\_stop 3##\$\*/\$3\$\*9? @' - #0; %6#- .

D- /" % 3' A" %4#\* 8#4. " 1 9, %6 1\*%\$23( 84( rc.subr(8) 0/6 : ; /5' , 3% SIG, , %, : #, %6" # \* : ; ' - /; / . < /; 3' ( kill(1) \* FreeBSD - #. /\$ ; %3: #6" %\*%\$2 : ; /5' , 3 SIG, " # \* /; 3' ' ' 6 8; 9A' > \$' : \*# EO - #A9\$ " / : #88/; . ' %\*\$2 /A#.

YZ < 1: #4" /" ' / 8#: #4" ' \$/42" 1 > 6%8%+ 8# ' 4' : #34/ 3\$%" 8%; \$" 1 > - /\$#8#\* Ñ = \$# : ; #3\$#. P4( , %. 8#A# %; A9- /" \$% , #- %" 8 1, : #88/; . ' %\* /- #A# "%C' - 3, ; ' : \$#- , - 1 - #. /- #: ; /8/4' \$2 argument\_precmd ' argument\_postcmd. I \$' , #- %" 8 1 sh(1) \* 16 1\*%? \$3( 8# ' : #34/ 3##\$\* /\$3\$\*9? @/A# - /\$#8%, +\$# #+/\*' 8" # ' 6' > "%6\*" ' 7.

H/; /#: ; /8/4/" ' / 3\$%" 8%; \$" #A# - /\$#8% 3 : #- #@2? : #426#\*%\$/423, #A# argument\_cmd \*3G ; %\*" # " / - /C%/\$ "%- ' 3: #426#\*%\$2 argument\_precmd ' 4' argument\_postcmd, /34' = \$# " /#0>#8' - #. < +%3\$" #3\$' , : /; \* 17 : #4/6/" 84( : ; #\*/; , ' : #426#\*%\$/423, ' > 34#. " 1 > 934#\*' 7, , #S#; 1/ 8#4. " 1 0 1\$2 \* 1: #4" /" 1 : /; /8 \* 1: #4" /" ' /- 3%- #7 , #- %" 8 1. D3: #426#\*" ' / argument\_precmd \*- /3\$/ 3 argument\_cmd : #6\*#4(/\$ 4#A' +/3, ' ; %68/4' \$2 : ; #\*/; , ' # \$ 8/73\$\*' (. .

) / 6%0 1\*%7\$/, +\$# \* 1 - #. /\$ / \*3\$%\*4(\$2 4? 0 1/ 8#: 93\$' - 1/ \* 1; % . /" ' ( ' 6 sh(1) \* #: ; /8/4(/- 1/ \*- ' - /\$#8 1, % \$%, . / , #- %" 8 1 pre- ' post-. H; #3\$# \* 16 1\*%\$2 59", &' ? , , #S#; %( \* 1: #4" (/ \$ #3" #\*" 9? ; %0#\$9, Ñ = \$# >#; #C' 7 3\$' 42 \* 0#42C' " 3\$\*/ 349+/\*, " # " , #A8% " / : #6\*#4(7\$ / 3\$' 4? #A; %" ' + ' %\*\$2 \*%C / : # " ' - %" ' / \$#A#, +\$# : ; # ' 3>#8' \$ 6%, 94' 3%- ' .

[ K34' - 1 > \$' - ; /%4' 6#\*%\$2 : #426#\*%\$/423, ' / %; A9- /" \$ 1, , #S#; 1/ \$%, . / - #. " # ; %33- %\$; ' %\*\$2 , %, \$" ' #%( 6 84( "%C/A# 3, ; ' : \$%, " /#0>#8' - # : /; /+ ' 34' \$2 ' > \* extra\_commands ' : ; /8#3\$%\*' \$2 - /\$#8 1 84( ' > #0; %0#\$, ' .

N#- %" 8% reload (\*4(/\$3( #3#0/" "#7. 0 #8" #7 3\$#; # " 1, 9 " /G /3\$2 : ; /893\$%" #\*4/" " 17 - /\$#8 \* rc.subr(8). 0 8; 9A#7 3\$#; # " 1, reload " / : ; /84%A%/\$3( : # 9- #4+% " ' ? . H; ' + " % \* \$#- , +\$# " / \*3/ 8/- # " 1 ' 3: #4269? \$ #8' "%, #\* 17 - />" ' 6- : /; /6%A; 96, ' , % 9 " / , #S#; 1 > \*##0@/ " /\$ " ' +/A# 84( : /; /6%A; 96, ' . H#=\$#- 9 "%- " 9. " # (\*" # 6%: ; #3' \$2 : ; /8#3\$%\*4/" ' / \*3\$; #/" "#7 59", &' #"%42" #3\$'. I \$# - #. " # 38/4%\$2 3 : #- #@2? extra\_commands.

Q\$# - 1 : #49+%/ - # \$ - /\$#8% : # 9- #4+% " ' ? 84( reload? P##\*42" # +%3\$# 8/- # " 1 : /; /6%A; 9. %? \$ 3\*#? , # " 5' A9; %&' ? : ; ' : #49+/" ' ' ' 3' A" %4% Ñ #0 1+" #, SIGHUP. H#=\$#- 9 rc.subr(8) : 1\$%/\$3( : /; /6%A; 96' \$2 8/- # "%, # \$; ; %\*4(( /- 9 3' A" %4. 0' A" %4 : ; /893\$%" #\*4/" " % SIGHUP, " # - #. /\$ 0 1\$2 ' 6- /" G" +/; /6 sig\_reload : ; ' " /#0>#8' - #3\$' .

\] ) %C 3, ; ' : \$ : #88/; . ' %\* /\$ 8\* / " /3\$%" 8%; \$" 1/ , #- %" 8 1: plugh ' xyzy. M1 \*' 8/4' ' > \* 3: ' 3, / extra\_commands, ' \$/ : /; 2 : ; ' C4# \*; /- ( ; /%4' 6#\*%\$2 - /\$#8 1 84( " ' >. M/\$#8 84( xyzy : ; #3\$# \*3\$; #/" \* , #8, % 84( plugh # " ; /%4' 6#\*%" , %, 59", &' ( mumbled\_plugh.

) /3\$%" 8%; \$" 1/ , #- %" 8 1 " / \* 16 1\*%? \$3( #\* \*; /- ( 6%: 93, % ' 4' 6%\*/; C/" ' ( ; %0#\$ 1. E0 1+" # # " ' : ; /8" %6" %+/" 1 84( 98#03\$%\* 3' 3\$/- "#A# %8- ' ' ' 3\$; %\$#; % . E" ' \$%, . / - #A9\$ ' 3: #426#\*%\$23( 8; 9A' - ' : #83' 3\$/- %- ' , "%: ; ' - /; , devd(8), /34' 9, %6%" 1 \* devd.conf(5).

H#4" 17 3: ' 3#, 8#3\$9: " 1> , #- %" 8 - #. " # "%7\$' \* 3\$; #, / ' 3: #426#\*" ' (, \* 1\*#8' - #7 rc.subr(8), , #A8% 3, ; ' : \$ \* 161\*%/S3( 0/6 %; A9- /" \$#\*. ) %: ; ' - /; , \*\$ 3\$; #, % ' 3: #426#\*" ' ( ' 6 ' 69+%/ - #A# 3, ; ' : \$%:

```
# /etc/rc.d/mumbled
Usage: /etc/rc.d/mumbled [fast|force|one]
(start|stop|restart|rcvar|reload|plugh|xyzy|status|poll)
```

^ 0, ; ' : \$ - #. /\$ \* 161\*%\$2 3\*# ' 3#03\$\*/" " 1/ 3\$%" 8%; \$" 1/ ' 4' " /3\$%" 8%; \$" 1/ , #- %" 81, /34' =#\$ " /#0>#8' - #. I\$# - #. /\$ \* 1A4(8/\$2 : #>#. / "% \* 16#\* 59", &' 7, " # - 1 6" %/- , +\$# , #- %" 81 ' 59", &' ' #0#4#+, ' " / \*3/A8% #8" # ' \$# . /.) %: ; ' - /; , xyzy " / ; /%4' 6#\*" , %, 59", &' ( \* 8%" " #- 349+%/ . N; #- / \$A#, - #A9\$ 39@/3\$\*#\*\$2 : ; /8-, #- %" 8" ' : #3\$-, #- %" 8%, #S#; 1/ 8#4. " 1 \* 161\*%\$23( \* #: ; /8/4G" " #- : #; (8, / . H#=\$#- 9 : ; %\*' 42" 17 3: #3#0 84( 3, ; ' : \$% \* 1: #4" " \$2 3\*#? 3#03\$\*/" " 9? , #- %" 89 Ñ 3 : #- #@2? rc.subr(8), , %, : #, %6%" # \* : ; ' - /; /.

\_H#4/6" %( 59", &' ( checkyesno : ; /8#3\$%\*4(/S3( rc.subr(8). E" %: ; ' "' - %/\$ ' - ( : /; /- /" " #7 \* , %+/3\$\*/ %; A9- /" \$% ' \*#6\*; %@%/ \$ " 94/\*#7 , #8 \* 1>#8% \$#42, # /34' : /; /- /" "%( 93\$%" #\*4/" % \* YES, TRUE, ON ' 4' 1, 0/6 9+G\$% ; /A' 3\$; %; \* : ; #S' "\*" #- 349+%/ \*#6\*; %@%/S3( "/" 94/\*#7 , #8 \* 1>#8%. < : #34/8" /- 349+%/ 59", &' ( : ; #\*/; (/ \$, 93\$%" #\*4/" % 4' : /; /- /" "%( \* NO, FALSE, OFF ' 4' 0, \$%, . / 0/6 9+G\$% ; /A' 3\$; %; /34' : /; /- /" "%( 3#8/; . ' \$ +\$#-\$# ' " #/ (\$./ - 93#; ), 59", &' ( \* 1\*#8" \$ : ; /89: ; / . 8/" ' /.

D- /7\$/ \* \*' 89, +\$# 84( sh(1) " 94/\*#7 , #8 \*#6\*; %\$% #6"%+%/ \$ ' 3\$' " 9, % "/" 94/\*#7 , #8 \*#6\*; %\$% #6"%+%/ \$ 4# . 2.

V9", &' ( checkyesno : ; ' "' - %/\$ 1' & - 0/0' 0##" 7.) / : /; /8%\*%7\$/ /7 2#%80#10 : /; /- /" " #7; =#\$ " / 098/\$ ; %0#\$%\$2, , %, #. ' 8%/S3(.

) ' . / : ; ' \* /8/" # : ; %\*' 42" #/ ' 3: #426#\*" ' / checkyesno:

```
if checkyesno mumbled_enable; then
    foo
fi
```

) %: ; #S' \* , \* 16#\* checkyesno, , %, : #, %6%" # "' . /, " / 3; %0#\$%/ \$ Ñ : # , ; %7" /7 - /; /, " / \$%, , , %, #. ' 8%/S3(:

```
if checkyesno "${mumbled_enable}"; then
    foo
fi
```

` M1 - #. /- \*4' (\$2 "% 54%A' , : /; /8%\*%/- 1/ , #- %" 8/ \$command, ' 6- /" (( rc\_flags \* \$start\_precmd.

a < "/" , #S#; 1> 349+%( > - #. /\$ : #S; /0#\*%\$23( \* 1\*/3\$' \*%. " #/ 3##0@/" ' /, , #S#; #/ \$%, . /

8#4. "# :#: %3\$2 \* syslog. I\$# -#. "# 4/A, # 38/4%\$2 3 :#-#@2? 34/89?@' > 59", &' 7 rc.subr(8): debug, info, warn ' err. H#34/8" (( 59", &' ( 6%\*/; C%/\$ \*1: #4"/' / 3, ;': %\$ 3 9, %6%" " 1- , #8#- .

b N#81 \*1>#8% ' 6 - /\$#8#\* ' ' > :; /8\*%; ' \$/42" 1> , #- %" 8 " / :; #3\$# ' A" #; ' ; 9? \$3( : # 9- #4+% ' '? . K34' argument\_precmd \*#6\*; %@/\$ " /" 94/\*#7 , #8 \*1>#8%, #3" #\*" #7 - /\$#8 " / 098/\$ \*1: #4"/' . < 3\*#? #+;/ /82, argument\_postcmd " / 098/\$ \*16\*%" , /34' #3" #\*" #7 - /\$#8 \*#6\*; %@/\$ " /" 94/\*#7 , #8 \*1>#8%.

!

E8" %, # rc.subr(8) -#. "# 9, %6%\$2 ' 6 , #- %" 8" #7 3\$; #, ' ' A" #; ' ; #\*%\$2 =\$' , #81 6%\*/; C/" ' ( ' \*1: #4" (\$2 \*3/ , #- %" 81 \* 4? 0#- 349+%/ , 8#0\*# ' \* :; /5' , 3 force , %; A9- /" \$9, "%: ;' - /; forcestart.

## 7. ! \*- \$<O' (/ &( )\$" &. %# \$ &/9" #)%"+\$%+" ( rc.d

H#34/ "%: ' 3%" ' ( 3, ;': %\$/A# " /#0>#8' - #' "\$/A; ' ; #\*%\$2 \* rc.d. N4? +/\*#7 C%A Ñ 93\$%" #\*, % 3, ;': %\$ \* /etc/rc.d (84( 0%6#\*#7 3' 3\$/- 1) ' 4' /usr/local/etc/rc.d (84( : #; \$#\*). D BSD.prog.mk, ' BSD.port.mk :; /8#3\$%\*4(? \$ 98#0" 1/ - />%" ' 6- 1 84( =\$#A#, ' #01+" # \*- " /" 9. " # 0/3: #, #' \$23( # :; %\*' 42" 1> :; %\*%> 8#3\$9: % ' ;/. ' - /. 0' 3\$/- " 1/ 3, ;': \$1 8#4. " 1 93\$%" %\*4' \*%\$23( ' 6 src/libexec/rc/rc.d +;/ 6 Makefile, "%>#8(@' 73( \$%- . 0, ;': \$1 : #; \$#\* - #. "# 93\$%" #\*' \$2 3 : # -#@2? USE\_RC\_SUBR, , %, #: ' 3%" # \* c9, ##83\$\*/ FreeBSD : # 3#68%" ' ? : #; \$#\*.

E8" %, # 34/89/\$ 6%; %// :; #89- %\$2 - /3\$# "%C/A# 3, ;': %\$ \* : #34/8#\*%\$/42" #3\$' 6%: 93, % 3' 3\$/- 1. 0, #; // \*3/A#, #0349. ' %\*/- 17 "%C' - 3, ;': \$#- 3/; \*' 3 6%\*' 3' \$ # \$ 8; 9A' > 3/; \*' 3#\*. ) %: ;' - /; , 3/\$/\*#7 8/- # " / - #. /\$ ; %0#\$%\$2 0/6 : #8" (\$1> 3/\$/\*1> " "\$/; 5/73#\* ' - %; C; 9\$' 6%&' ' . P%. / /34' 3/; \*' 3, , %6%4#32 01, "' +/A# " / \$; /09/\$, # " \*; (8 4' 3- #. /\$ 6%: 93\$' \$23( 8# :; #\*/; , ' ' - #"\$' ; #\*%" ' ( #3" #\*" 1> 5%74#\* 1> 3' 3\$/- .

M1 9. / 9: #- ' "%4' rcorder(8). B/: /; 2 :; ' C4# \*; /- ( ; %33- #\$/ \$2 /A# : #8; #0" //. < 8\*9> 34#\*%>, rcorder(8) :; ' "' - %/\$ "%0#; 5%74#\*, "%4' 6' ; 9/\$ ' > 3#8/; . ' - #/ ' \*1\*#8' \$ "% stdout 3: ' 3#, =\$' > 5%74#\*, 9: #; (8#+/" " 17 : # 6%\*' 3' - #3\$(- . d4%\*"%( ' 8/( 6%, 4? +%/ \$3( \* \$#- , +\$#01 >; %"' \$2 ' " 5#; - %&' ? # 6%\*' 3' - #3\$(> . #) / 1 5%74#\*, +\$#01 , %. 817 5%74 - #A #: ' 31\*%\$2 \$#42, # 3/0( . V%74 - #. /\$ 3#8/; . %\$2 34/89? @9? ' " 5#; - %&' ?:

¥ ' - /" % "934#\*' 7" (+\$# 84( "%3 #6" %+/ \$ 3/; \*' 31), , # \$ #; 1/ # " - /0( " , ! % . \* & 0! ;

¥ ' - /" % "934#\*' 7" , , # \$ #; 1/ # " ! /09) 0! ;

¥ ' - /" % "934#\*' 7" , : /; /8 , # \$ #; 1- ' 8#4. /" \*1: #4" (\$23( =\$# \$ 5%74;

¥ 8#: #4" ' \$/42" 1/ \$\*: 80. 60 , \* . % , # \$ #; 1/ - #A9\$ ' 3: #426#\*%\$23( 84( \*10#; % : #8- #. /3\$%\* ' 6 \*3/A# "%0#; % 5%74#\* (rcorder(8) - #. /\$ 01\$2 "%3\$; #/" 3 : #-#@2? #: &' 7 84( \* , 4? +/" ' ( ' 4' ' 3, 4? +/" ' ( 5%74#\*, 3#8/; . %@' > 9, %6%" " 1/ , 4? +/\*1/ 34#\*%.)

) /98' \*' \$/42" #, +\$# rcorder(8) - #. /\$ #0; %0%\$1\*%\$2 \$#42, # \$/, 3\$#\*1/ 5%741 3 3' " \$%, 3' 3#- , 04' 6, ' - , sh(1). B# /3\$2 3: /&' %42" 1/ 3\$; #, ' , : #' ' - %/- 1/ rcorder(8), \*1A4(8(\$ , %,

, #- /" \$%; ' ' \* **sh(1)**. 0' "\$%, 3' 3 \$%, ' > 3: /&' %42" 1> 3\$; #, 8##42" # . G3\$, ' 7, +\$#01  
9: ; #3\$' \$2' > #0; %0#\$, 9. H#8; #0" #3\$' 3- . \* **rcorder(8)**.

H#- ' - # ' 3: #426#\*" ' ( 3: /&' %42" 1> 3\$; #, **rcorder(8)**, 3, ; ' : \$ - #. /\$ "%3\$%" \*%\$2 "% 3\*#/7  
6%\*' 3' - #3\$' # \$ 8; 9A#7 349. 01, ; ; #3\$# : ; ' " 98' \$/42" # 6%: 93, %( /G. I \$# - #. /\$ 01\$2  
"/#0>#8' - #, , #A8% 8; 9A%( 349. 0% (\*4(/\$3( #: &' #"%42" #7' " / 6%: 93, %/\$3( 3%- #3\$#(\$/42" #,  
: #3\$- 9 +\$# 3' 3\$/- " 17 %8- ' "' 3\$; %\$#; #C' 0#+ " # # \$, 4? + ' 4 /G \* **rc.conf(5)**.

0 9+G\$#- = \$' > #0@' > 6"%" ' 7 ; %33- # \$; ' - : ; #3\$#7 3, ; ' : \$ 8/- #"% , 8#: #4" /" " 17  
6%\*' 3' - #3\$(- ' :

```
#!/bin/sh

# PROVIDE: mumbled oldmumble !
# REQUIRE: DAEMON cleanvar frotz "
# BEFORE: LOGIN #
# KEYWORD: nojail shutdown $

. /etc/rc.subr

name=mumbled
rcvar=mumbled_enable

command="/usr/sbin/${name}"
start_precmd="${name}_prestart"

mumbled_prestart()
{
    if ! checkyesno frotz_enable && \
        ! /etc/rc.d/frotz forcestatus 1>/dev/null 2>&1; then
        force_depend frotz || return 1 %
    fi
    return 0
}

load_rc_config $name
run_rc_command "$1"
```

N%, ' ; %" //, 34/89/\$ 8/\$%42" 17 %" %4' 6:

S I \$% 3\$; #, % #0e(\*4(/\$ "%6\*" ' ( "934#\*' 7", , # \$#; 1/ : ; /8#3\$%\*4(/\$ "%C 3, ; ' : \$ . B/: /; 2  
8; 9A' / 3, ; ' : \$ 1 - #A9\$ 9, %61 \*%\$2 6%\*' 3' - #3\$2 # \$ "%C/A# 3, ; ' : \$% : # = \$' - ' - /" % - .

!

E01+" # 3, ; ' : \$ 9, %61 \*%/\$ #8" # : ; /8#3\$%\*4/" "#/ 934#\*' /. E8" %, # "' +\$# "/  
- /C%/\$ "%- : /; /+ ' 34' \$2 " /3, #42, # 934#\*' 7, "%: ; ' - /; , : # : ; ' + ' "%-  
3#\*- /3\$' - #3\$' .

< 4? 0#- 349+%/ , "%6\*" ' / #3" #\*" #A# ' 4' /8' " 3\$\*/" "#A# 934#\*' ( **PROVIDE:**  
8#4. " # 3#\*: %8%\$2 3  **\${name}**.

TW B%, ' - #0; %6#- , "%C 3, ; ' : \$ 9, %61\*%/\$, # \$ , %, ' > "934#\*' 7", : ; /8#3\$%\*4(/- 1 > 8; 9A' - ' 3, ; ' : \$%- ' , #" 6%\*' 3' \$ . 0#A4%3" # 3\$; #, %- , "%C 3, ; ' : \$ : ; #3' \$ rcorder(8) ; %6- /3\$' \$2 /A# : #34/ 3, ; ' : \$(#\*), : ; /8#3\$%\*4(?@' > DAEMON ' cleanvar, "# : /; /8 \$/- , , # \$#; 17 : ; /8#3\$%\*4(/\$ LOGIN.

O\$; #, 9 BEFORE: " / 34/89/\$ ' 3: #426#\*%\$2 84( #0>#8% " /: #4" #A# 3: ' 3, % 6%\*' 3' - #3\$ /7 \* 8; 9A#- 3, ; ' : \$/. H; %\*' 42" 17 349+%7 84( ' 3: #426#\*%" ( BEFORE: Ñ , #A8% 8; 9A#7 3, ; ' : \$ " / 6%\*' 3' \$ # \$ "%C/A#, "# "%C 3, ; ' : \$ - #. /\$ \* 1: #4" ' \$2 3\*#? 6%8%+9 49+C/, /34' 6%: 93\$' \$3( 8# 8; 9A#A#. B' : ' + " 17 : ; ' - /; ' 6 ; /%42" #7 . ' 6" ' Ñ 3/\$/\*1/ ' " \$/; 5/731 ' - /. 3/\$/\*#7 =, ; %": >#\$( ' " \$/; 5/731 " / 6%\*' 3(\$ # \$ - /. 3/\$/\*#A# =, ; %" % : ; ' \* 1: #4" / " ' ' 3\*#/7 ; %0#\$1, 0/6#: %3" #3\$2 3' 3\$/- 1 \* 1' A; %/\$, /34' - /. 3/\$/\*#7 =, ; %" 098/\$ A#\$#\* 8# "%+%4% 3/\$/\*#A# \$; %5' , %.

H#- ' - # 934#\*' 7, 3##\$\*/\$3\$\*9?@' > #8/42" 1- 349. 0%- , 39@/3\$\*9? \$ - /\$%934#\*' ( ' ' > "6%A49C, ' " 3, ; ' : \$#\*, ' 3: #4269/- 1/ 84( #0/3: /+/" ' ( \* 1: #4" / " ' ( #: ; /8/4G" " 1 > A; 9: : #: /; %&' 7 \* 6%8%" "#- : #; (8, /. E" ' #0#6"%+%? \$3( ' - /"%- ' \* <KcU) KM cKdD0BcK. D> 3: ' 3#, ' "%6"%+/" / - #. " # "%7\$' \* rc(8).

D- /7\$ / \* \*' 89, +\$# 9, %6%" ' / ' - /" ' 349. 01 \* 3\$; #, / REQUIRE: " / A%; %" \$' ; 9/\$, +\$# 349. 0% 8/73\$\*' \$/42" # 098/\$ 6%: 9@/"% , - #- /" \$9 3\$%; \$% "%C/A# 3, ; ' : \$%. B; /09/- %( 349. 0% - #. /\$ " / 6%: 93\$' \$23( ' 4' 01\$2 # \$, 4?+/"% \* rc.conf(5). E+/\*' 8" #, rcorder(8) " / - #. /\$ # \$34/. ' \*%\$2 \$%, ' / 8/\$%4' , ' rc(8) \$#. / =#\$A# " / 8/4%/\$. 04/8#\*%\$/42" #, ; ; ' 4#. /" ' /, 6%: 93, %/- #/ "%C' - 3, ; ' : \$#- , 8#4. " # 01\$2 3: #3#0" # #0; %0%\$1\*%\$2 3' \$9%&' ' , #A8% \$; /09/- 1/ 349. 01 " /8#3\$9: " 1. < "/, # \$#; 1 > 349+%( > - 1 - #. /- : #- #+2 /- 9, %, #: ' 3%" # \* " ' . /

X N%, - 1 : #- " ' - ' 6 \$/, 3\$% \* 1C/, , 4?+/\*1/ 34#\*% rcorder(8) - #A9\$ ' 3: #426#\*%\$23( 84( \* 10#; % ' 4' ' 3, 4?+/" ' ( "/, # \$#; 1 > 3, ; ' : \$#\*. ! ' - /" "#, 4?0#7 : # \$; /0' \$/42 rcorder(8) - #. /\$ 9, %6%\$2 3 : #- #@2? #: &' 7 -k ' -s, , %, ' / , 4?+/\*1/ 34#\*% "%>#8(\$3( \* "3: ' 3, / 3#>; %" / " ' ( " ' "3: ' 3, / : ; #: 93, %" 3##\$\*/\$3\$\*/" "#. D6 \*3/> 5%74#\*, : #84/. %@' > 3#; \$' ; #\*, / : # 6%\*' 3' - #3\$(- , rcorder(8) \* 10;/ /\$ \$#42, # \$/, , # \$#; 1/ ' - /? \$ , 4?+/\*# / 34#\*# ' 6 3: ' 3, % 3#>; %" / " ' ( (/34' # " " /: 93\$) ' " / ' - /? \$ , 4?+/\*#A# 34#\*%' 6 3: ' 3, % : ; #: 93, %.

< FreeBSD, rcorder(8) ' 3: #4269/\$3( /etc/rc ' /etc/rc.shutdown. I\$' 8\*% 3, ; ' : \$% #: ; /8/4(? \$ 3\$% 8%; \$" 17 3: ' 3#, , 4?+/\*1 > 34#\* rc.d FreeBSD ' ' > 6"%+/" ' ( 34/89?@' - #0; %6#- :

### nojail

0/; \*' 3 " / : ; /8"%6"%+/" 84( #, ; 9. /" ' ( jail(8). H; #&/89; 1 %\*\$#- %\$' +/3, #A# 6%: 93, % ' #3\$%" #\*, ' 0989\$ ' A" #; ' ; #\*%\$2 3, ; ' : \$, /34' # " "%>#8' \$3( \* " 9\$; ' , 4/\$, ' .

### nostart

049. 0% 8#4. "% 6%: 93, %\$23( \*; 9+" 9? ' 4' " / 6%: 93, %\$23( \*##3/. H; #&/89; % %\*\$#- %\$' +/3, #A# 6%: 93, % : ; #' A" #; ' ; 9/\$ 3, ; ' : \$. < 3##+/\$%" ' ' 3 , 4?+/\*1- 34#\*#- shutdown=\$# - #. /\$ ' 3: #426#\*%\$23( 84( "%: ' 3%" ' ( 3, ; ' : \$#\*, \* 1: #4" (?@' > 8/73\$\*' ( \$#42, # : ; ' \* 1, 4?+/" ' ' 3' 3\$/- 1.

## shutdown

```
I$#$ , 4? +/*#7 : %; %- /$; 8#4. /" 01$2 9, %6%" &.#", /34' 349. 09 "/#0>#8' - # #3$%" #' $2 : /; /8 6%*/; C/" ' /- ; %0#$1 3' 3$/- 1.
```

```
N#A8% 3' 3$/- % 3#0' ; %/$3( 6%*/; C' $2 ; %0#$9, *1: #4" (/ $3( /etc/rc.shutdown. H; /8: #4%A%/$3(, +$# 0#42C" "3$*9 3, ; ' : $#* rc.d * =$#$ - #- /" $ " /+ /A# 8/4%$2. H#=$#- 9 /etc/rc.shutdown *10#; #+" # 6%: 93, %/$ 3, ; ' : $1 rc.d 3 , 4? +/*1- 34#*#- shutdown, 5%, $' +/3, ' ' A" #; ' ; 9( #3$%42" 1/ 3, ; ' : $1.P4( /@G 0#4// 013$; #A# 6%*/; C/" ' ( ; %0#$1 /etc/rc.shutdown : /; /8%G$ , #- "% 89 faststop 6%: 93, %/- 1- 3, ; ' : $%- , +$#01 #"' ; ; #: 93, %4' ; ; /8%*; ' $/42" 1/ ; ; #*/; , ' , "%: ; ' - /; , ; ; #*/; , 9 pid-5%74%. H#3, #42, 9 6%*' 3' - 1/ 349. 01 8#4. " 1 01$2 #3$%" #' 4/" 1 8# 3*#' > 6%*' 3' - #3$/7, /etc/rc.shutdown 6%: 93, %/$ 3, ; ' : $1 * #0; %$#' - : #; (8, / 6%*' 3' - #3$/7. K34' *1 : ' C/$/ "%3$#(@' 7 3, ; ' : $ rc.d, 3$#' $ : #89- %$2, %, $9%4/" 4' # " *# *; /- ( 6%*/; C/" ' ( ; %0#$1 3' 3$/- 1. ) %: ; ' - /; , /34' *%C 3, ; ' : $ *1: #4" (/ $ 3*#? ; %0#$9 $#42, # * #$/ $ "% , #- "% 89 start, $# * , 4? +%$2 =$# , 4? +/*# / 34#*# " / "9. "#. E8"% , # /34' *%C 3, ; ' : $ 9: ; %*4(/ $ 349. 0#7, */; #($"#, 3$#' $ #3$%" #' $2 /G 8# $#A#, , %, 3' 3$/- % : /; /78G$ , 5' "%42" #7 3$%8' ' 6%*/; C/" ' ( ; %0#$1, #: ' 3%" "#7 * halt(8). < +%3$"#3$' , 349. 09 34/89/$ #3$%" #' 4' *%$2 (" #, /34' 84( /G , #; ; /, $"#A# 6%*/; C/" ' ( $; /09/$3( 6"%+ ' $/42" #/ *; /- ( ' 4' 3: /&' %42" 1/ 8/73$*' (. B' : '+' 17 : ; ' - /; $%, #7 349. 01 Ñ 3' 3$/- %9: ; %*4/" ' ( 0%6%- ' 8%" " 1>.
```

```
YH; /. 8/ *3/A#, force_depend 34/89/$ ' 3: #426#%$2 3 0#42C#7 #3$#; #. "#3$2?. E01+" # 49+C/ : /; /3- #S; /$2 ' /; %; >? , # " 5' A9; %&' # " 1> : /; /- /" " 1> 84( *%C' > rc.d 3, ; ' : $#*, /34' # " ' *6%' - #6%*' 3' - 1.
```

```
K34' *%- *3G /@G "/ #0#7$' 32 0/6 force_depend, * : ; ' - /; /: #, %6%" #, , %, *16*%$2 /A# 934#" #. < : ; ' - /; / " %C 8/- #" mumbled $; /09/$, +$#01 8; 9A#7 8/- #", frotz, 014 6%: 9@/" 6%; %" // . E8"% , # frotz $%, . / (*4(/$3( #: &' #' %42" 1- , ' rcorder(8) "' +/A# " / 6"%/$ # $%, ' > 8/$4(>. N 3+%3$2?, "%C 3, ; ' : $ ' - // $ 8#3$9: , # *3/- : /; /- /" " 1- rc.conf(5). K34' frotz_enable ' - // $ 6"%+/" ' / true, - 1 "%8// - 3( "% 49+C// ' : #4%A%/- 3( "% rc.d, +$# frotz 014 6%: 9@/" . < : ; # $' *# #- 349+%/ - 1 : ; ' " 98' $/42" # : ; #*/; (/ - 3$%$93 frotz. ) %, #"/&, - 1 : ; ' " 98' $/42" # 93$%" #' 4' *%/- 6%*' 3' - #3$2 # $ frotz, /34' #0"%; 9. ' *%/- , +$# # " " / 6%: 9@/" . force_depend *18%3$ : ; /89: ; / . 8/" ' /, $%, , %, /A# 34/89/$ *161*%$2 $#42, # * 349+%/ #0"%; 9. /" ' ( " /; ; %*' 42" #7 , # " 5' A9; %&' ' .
```

# 8. ! " &- # / & ( 3\* <=> ( 7 ; &3\$\* ) %& ) \$" &. %+

## rc.d

```
H; ' *16#*/ *# *; /- ( 6%: 93, % ' 4' 6%*/; C/" ' ( ; %0#$1 3, ; ' : $ rc.d 8#4. /" *#68/73$*#%$2 "% *3? : #83' 3$/- 9, 6% , #S#; 9? # " #$/+%//$. ) %: ; ' - /; , /etc/rc.d/netif 8#4. /" 6%: 93, %$2 ' 4' #3$%" #' 4' *%$2 *3/ 3/$/* 1/ ' " $/; 5/731, #: ' 3%" " 1/ * rc.conf(5). L?0%(' 6 =$' > 6%8%+ - #. /$ 01$2 #8" #6" #+" # 9, %6%" % /8' " 3$*/" " 1- %; A9- /" $#- , #- "% 81, $%, ' - , %, start ' 4' stop. M/. 89 6%: 93, #- ' 6%*/; C/" ' /- ; %0#$1 3, ; ' : $1 rc.d : #- #A%? $ %8- ' " ' 3$; %S#; 9 9: ; %*4($2 ; %0#$%? @/7 3' 3$/- #7, ' ' - /" "# $#A8% *#6"' , %/$ : #S; /0" #3$2 * 0#42C/7 A' 0, #3$' ' ' .
```

\$#+ "#3\$'. )%: ; ' - /; , %8- ' "' 3\$; %\$#; - #. /\$ 8#0%\*' \$2 "%3\$; #7, ' "#\*#A# 3/\$/\*#A# ' "\$/; 5/73% \* **rc.conf(5)**, % 6%\$/- 6%: 93\$' \$2 /A#, " / 6%\$; %A' \*( ; %0#\$9 39@/3\$\*9? '@' > ' "\$/; 5/73#\*. < 34/89? '@' 7 ; %6 %8- ' "' 3\$; %\$#; 9 - #. /\$ : \$#; /0#\*%\$23( #3\$%" #' \$2 #8/42" 17 3/\$/\*#7 ' "\$/; 5/73. < 89>/ , #- %" 8" #7 3\$; #, ' , 3##\$\*/\$3\$\*9? '@' 7 3, ; ' : \$ rc.d \$; /09/\$ 8#: #4" ' \$/42" #A# %; A9- /" \$% Ñ ' - /" ' ' "\$/; 5/73%.

N 3+%3\$2?, **rc.subr(8)** : #6\*#4(/\$ : /; /8%\*\$2 4? 0#/ , #4' +/3\$\*# %; A9- /" \$#\* (\* : ; /8/4%> 3' 3\$/- " 1> #A; %" ' +/" ' 7) - /\$#8%- 3, ; ' : \$%. J4%A#8%; ( =#\$- 9 ' 6- /" /" ' ( \* 3%- #- 3, ; ' : \$/ - #A9\$ 01\$2 - ' "' - %42" 1- ' .

N%, **rc.subr(8)** - #. /\$ : #49+' \$2 8#3\$9: , 8#: #4" ' \$/42" 1- %; A9- /" \$%- , #- %" 8" #7 3\$; #, ' . P#4. /" 4' # " : ; #3\$# 6%>\*\$1\*%\$2 ' > "% : ; (- 9?? ) ' \* , #/- 349+%/ . <#- : /; \* 1>, 59", & ' ( **sh(1)** " / ' - // \$ 8#3\$9: % , : #6' & ' # " " 1- : %; %- /\$; %- 3\*#/A# \* 161\*%? @/A# #0e/, \$%, " # **rc.subr(8)** Ñ =#\$ : ; #3\$# "%0#; \$%, ' > 59", & ' 7. <#-\*\$#; 1>, >#; #C' 7 3\$' 42 rc.d : ; /8: ' 31\*%/\$, +\$# ' - /" " #A4%" 17 3, ; ' : \$ 8#4. /" ; /C%\$2, , %, ' /%; A9- /" \$ 1 : /; /8%\*\$2 /A# - /\$#8%- .

DS%, , : #8>#8, : ; ' " (\$17 \* **rc.subr(8)**, 34/89? '@' 7: **run\_rc\_command** : /; /8%GS \*3/ 3\*#' %; A9- /" \$ 1, , ; #- / : /; \*#A#, \* 3##\$\*/\$3\$\*9? '@' 7 - /\$#8 \* " /' 6- /" "#- \*' 8/. H/; \* 17, #: 9@/" " 17 %; A9- /" \$ Ñ =#\$ ' - ( 3%- #A# - /\$#8%: **start, stop** ' \$8. E" 098/\$ 98%4G" 3: #- #@2? **shift \* run\_rc\_command**, \$%, +\$# \$#, +\$# 014# **\$2** \* #; ' A' "%42" #7 , #- %" 8" #7 3\$; #, /, 098/\$ : ; /83\$%\*4/" #, %, **\$1** \* - /\$#8/, ' \$%, 8%4//.

Q\$#01 : ; #' 44? 3\$; ' ; #\*%\$2 =9 \*#6- #. "#3\$2, 8%\*%7\$/' 6- /" ' - : ; ' - ' S' "\*" 17 3, ; ' : \$- 6%A49C, 9 \$%, , +\$#01 /A# 3##0@/" ' ( 6%\*' 3/4' #8 #: #4" ' \$/42" 1> : /; /8%" " 1> %; A9- /" \$#\*. <#\$ , %, =#\$ \* 1A4(8' \$:

```
#!/bin/sh

. /etc/rc.subr

name="dummy"
start_cmd="${name}_start"
stop_cmd=""
kiss_cmd="${name}_kiss"
extra_commands="kiss"

dummy_start()
{
    if [ $# -gt 0 ]; then !
        echo "Greeting message: $"
    else
        echo "Nothing started."
    fi
}

dummy_kiss()
{
    echo -n "A ghost gives you a kiss"
    if [ $# -gt 0 ]; then "
        echo -n " and whispers: $"
    fi
}
```

```

fi
case "$*" in
  *[-!~?])
    echo
    ;;
  *)
    echo .
    ;;
esac
}

```

```

load_rc_config $name
run_rc_command "$@" #

```

N%, ' / #3" #\*" 1/ ' 6- /" /"' ( - 1 - #. /- 6%- /\$' \$2 \* 3, ; ' : \$/?

```

S <3/ %; A9- /" $1, , #$$; 1/ * 1 **#8' $/ : #34/ start, - #A9$ 3$%$2 : #6' &' #' " 1- ' : %; %- /$; %- '
84( 3##$*/$3$*9? @/A# - /$#8%. M1 - #. /- ' 3: #426#*%$2 ' > 4? 01- 3: #3#0#- * 3##$*/$3$*' '
3 " %C/7 6%8%+/7, "%* 1, %- ' ' : ; /8: #+$/"' (- ' . <$/, 9@/- : ; ' - /; / - 1 : ; #3$# : /; /8%/- *3/
' > * echo(1), %, #8" 9 3$; #, 9 * 34/89? @/7 3$; #, / Ñ #0; %$' $/ *"' - %"' / "% $* * 8*#7" 1>
, %* 1+, %>. <#$ $, %, $/ : /; 2 - #. " # * 161 *%$2 =S#$ 3, ; ' : $:

```

```

# /etc/rc.d/dummy start
Nothing started.

# /etc/rc.d/dummy start Hello world!
Greeting message: Hello world!

```

T B# . / 3%- #/ # \$" #3' \$3( , 4? 0#- 9 - /\$#89, , #\$\$; 17 : ; /8#3\$%\*4(/\$ "%C 3, ; ' : \$, " / \$#42, # ,  
3\$%" 8%; \$" #- 9. M1 8#0%\*' 4' : #426#\*%\$/423, ' 7 - /\$#8 3 ' - /" /- kiss, ' #' - #. /\$  
' 3: #426#\*%\$2 8#: #4"' \$/42" 1/ %; A9- /" \$1 " / - /" 2C/, +/- start.) %: ; ' - /; :

```

# /etc/rc.d/dummy kiss
A ghost gives you a kiss.

# /etc/rc.d/dummy kiss Once I was Etaoin Shrdlu...
A ghost gives you a kiss and whispers: Once I was Etaoin Shrdlu...

```

W K34' - 1 >#\$' - : ; #3\$# : /; /8%\$2 \*3/ 8#: #4"' \$/42" 1/ %; A9- /" \$1 4? 0#- 9 - /\$#89, - 1  
- #. /- : ; #3\$# 6%- /"' \$2 "\$@" "% "\$1" \* : #34/8" /7 3\$; #, / "%C/A# 3, ; ' : \$%, A8/ - 1 \* 161 \*%/-  
run\_rc\_command.

"

```

H; #A; %- - ' 3$ sh(1) 8#4. /" : #' ' - %$2 $#, 9? ; %6"' &9 - /. 89 $* ' $@ , %,
3: #3#0%- ' #0#6"%+/"' ( *3/> : #6' &' #' " 1> : %; %- /$; #*. P4( 8/$%42" #A#
#039. 8/"' ( #0; %$' $/32 , >; #C/- 9 ; 9, #*#83$*9 : # "%: ' 3%"' ? 3, ; ' : $#* "%
sh(1). ; 0 1, - "*+2) 7! 0 =S' * 1; %. /"' (, : #, % : #4" #3$2? " / : #7- G$/ ' >, $%,
, %, ' > "/ : ; %* 42" #/ : ; ' - /" /"' / : ; ' */8G$ , 3#68%"' ? "/"%8G. " 1> '

```

"/0/6#: %3" 1>3, ; ' : \$#\*.

!

< "%3\$#(@// \*; /- ( \* run\_rc\_command - #. /\$ : ; ' 39\$3\$\*#\*%\$2 #C' 0, %, , #S#; %(  
- /C%/\$ /- 9 3#>; %" (\$2 ' 3>#8" 1/ A; %" ' &1 - / . 89 %; A9- /" \$%- ' . B# /3\$2  
%; A9- /" \$1 3 \*3\$; #/" " 1- ' : ; #0/4%- ' - #A9\$ #0; %0%\$1 \*%\$23( " /, #; ; /, \$" #.  
EC' 0, % \*#6" ' , %/\$ ' 6-6% " /: ; %\*' 42" #A# ' 3: #426#\*%" ' ( \$\*.

## 9. ! \* - ; \*%\*, \$# ) \$" &. %# - <? ) ( " , &) / 6@ \$ < (%\* \$

0, ; ' : \$1, 6%: 93, %? '@ / 8#4A# ; %0#\$%? @9? 349. 09, : #8>#8(\$ 84( 349. /0" 1> , 4/\$#, ' 8#4. " 1 : #3\$\*4(\$23( 3 3##\$\*/\$3\$\*9? @/7 , # " 5' A9; %&' /7 3/; \*' 3" #7 , 4/\$, ' .

) /, #S#; 1/ : ; ' - /; 1 3, ; ' : \$#\*, , #S#; 1/ " /: #8>#8(\$ 84( 6%: 93, % \* 3/; \*' 3" #7 , 4/\$, /:

¥ 4? 0#7 3, ; ' : \$, , #S#; 17 \* , #- %" 8/ start \$#42, # ' 6- /" (/ \$ " %3\$; #7, ' \*; /- /" ' \* 1: #4" /" ' ( 84( : ; #A; %- - ' 4' (8; %,

¥ ' 4' : 1\$%/ \$3( +\$#-\$# 3- # " \$' ; #\*%\$2,

¥ ' 4' " %>#8' \$ ' 98%4(/ \$ 5%741

) /#0>#8' - # : ; /8#\$\*; %\$' \$2 ' 3: #426#\*%" ' / \* " 9\$; ' 3/; \*' 3" 1> , 4/\$#, 3, ; ' : \$#\*, " / : ; /8" %6" %+/ " " 1> 84( 6%: 93, % \* 3/; \*' 3" #7 , 4/\$, /.

0, ; ' : \$ 3 8#4A# ; %0#\$%? @/7 349. 0#7, , #S#; #- 9 " /#0>#8' - # \* 1: #4" ' \$2 #8" # ' 6 : /; /+ ' 34/" " 1> \* 1C/ 8/73\$\* ' 7 : /; /8 6%: 93, #- ' 4' : #34/ #3\$%" #\*, ' , - #. /\$ 01\$2 ; %68/4G" "% 8\*% 3, ; ' : \$% 3 6%\* ' 3' - #3\$(- ' ' 4' ' 3: #426#\*%\$2 +%3\$' precommand ' postcommand 3, ; ' : \$% 84( \* 1: #4" /" ' ( =\$#A# 8/73\$\* ' (.

H# 9- #4+% " ' ? \$#42, # +%3\$' start ' stop 3, ; ' : \$% \* 1: #4" (? \$3( \* " 9\$; ' 3/; \*' 3" #7 , 4/\$, ' , #3\$%42" #/ \* 1: #4" (/ \$3( \* " / , 4/\$, ' . B%, ' - #0; %6#- , 4? 01/ " %3\$; #7, ' , ' 3: #4269/- 1/ \* +%3\$(> start/stop 3, ; ' : \$%, " / - #A9\$ 01\$2 6%8%" 1, "%: ; ' - /; , ' 6 precommand.

Q\$#01 38/4%\$2 3, ; ' : \$ A#\$#\* 1- , ' 3: #426#\*%" ' ? 3 0/; \*' 3" 1- ' N4/\$, %- ' , " /#0>#8' - # 8#0%\*' \$2 \*3/A# 4' C2 #8" 9 8#: #4" ' \$/42" 9? , # " 5' A9; %&' # " " 9? 3\$; #, 9:

```
#!/bin/sh

. /etc/rc.subr

name="dummy"
start_cmd="{name}_start"
stop_cmd=""

: ${dummy_svcj_options:=""} !

dummy_start()
{
```

```

Ē      echo "Nothing started."
}

```

```

load_rc_config $name
run_rc_command "$1"

```

S K34' ' - // \$ 3- 134, +\$#01 3, ; ' : \$ \* 1: #4" (43( \* , 4/\$, /, # " 8#4. /" ' - /\$2 : /; /#: ; /8/4(/- 9? , # " 5' A9; %&' ? 3/; \*' 3" 1> , 4/\$#, . K34' /- 9 " / \$; /09/\$3( 8#3\$9: , 3/\$' ' 4' 4? 01- 8; 9A' - ; /39; 3%- , , # \$#; 1/ #A; %" ' +/" 1 \* , 4/\$, %>, 8#3\$%\$#+" # : 93\$#7 , # " 5' A9; %&' ' , , % , : #, %6%" #.

OS; #A# A#\*#; ( , : 93\$%( , # " 5' A9; %&' ( " / #0(6%\$/42"% , " # #"% (\*" # 9, %61\*%/\$, +\$# 3, ; ' : \$ A# \$#\* , ; %0#\$/ 3 3/; \*' 3" 1- ' , 4/\$, %- ' ' " / \$; /09/\$ 8#: #4" ' \$/42" 1> ; %6; /C/" ' 7 84( , 4/\$#, . H#=\$#- 9 " %3\$#(\$/42" # ; /, #- /" 89/\$3( 8#0%\*' \$2 \$%, 9? : 93\$9? , # " 5' A9; %&' ? \* \$%, #- 349+%/ . ) %' 0#4// ; %3; ; #3\$; %" G" "%( #: &' ( Ñ "net\_basic", , # \$#; %( : #6\*#4(/\$ ' 3: #426#\*%\$2 IPv4 ' IPv6 %8; /3% >#3\$%. <3/ \*#6- #. " 1/ #: &' ' #: ' 3%" 1 \* rc.conf(5).

K34' " %3\$; #7, % 6%: 93, %/#3\$%" #\*, ' 6%\*' 3' \$ \$ \$ : /; /- /" " 1> ' 6 rc-5; /7- \*#; , % (" %: ; ' - /; , 6%8%" " 1> \* rc.conf(5)), =\$# 8#4. " # #0; %0%\$1\*%\$23( 3 : #- #@2? load\_rc\_config ' run\_rc\_command, % " / \* " 9\$; ' precommand.

K34' : # , %, #7-\$# : ; ' + " / 3, ; ' : \$ " / - #. /\$ 01\$2 6%: 9@/" \* " 9\$; ' 3/; \*' 3" #7 , 4/\$, ' , "%: ; ' - /; , : # \$#- 9 +\$# /A# " /\*#6- #. " # 6%: 93\$' \$2 ' 4' " /\$ 3- 134% 6%: 93, %\$2 /A# \* , 4/\$, /, ' 3: #42697\$ / 34/89? @//:

```

#!/bin/sh

```

```

. /etc/rc.subr

```

```

name="dummy"
start_cmd="${name}_start"
stop_cmd=""

```

```

dummy_start()
{
Ē      echo "Nothing started."
}

```

```

load_rc_config $name
dummy_svcj="NO"      # does not make sense to run in a svcj !
run_rc_command "$1"

```

S E\$, 4? +/" ' / 8#4. " # : ; #' 3>#8' \$2 : #34/ \* 16#\*% load\_rc\_config, ' "%+ / : %; %- /\$; ' 6 rc.conf(5) - #. /\$ : /; /#: ; /8/4' \$2 /A#.

# 10. ! " \* - , & / + % 6 ( ) A ( / # " && rc: 4 # . + ) \$ / ( ) \$ \* < = \$ & @ B \$ 4 ( 5 . < ? " \* ,

```
D" #A8% : #4/6" # 6%: 93, %$2 " /3, #42, # =, 6/- : 4(; #* 349. 01. E01+" # $; /09/$3( ' - /$2
*#6- #. "#3$2 " /6%*' 3' - # 6%: 93, %$2/#3$%" %*4' *%$2 $%, ' / =, 6/- : 4(; 1, % $%, . / ' - /$2
#$8/42" 17 5%74 , # " 5' A9; %&' ' 84( , %. 8#A# ' 6 "' >. N%. 817 =, 6/- : 4(; 8#4. /" 6%: 93, %$23(
: ; ' 6%A; 96, /, : #34/ #0" #*4/" ' ( , %. 817 =, 6/- : 4(; 8#4. /" #3$%*$23(, ' : ; ' = $#- 8#4. /"
#0" #*' $23(.
```

```
<#$ : ; ' - /; rc-3, ; ' : $%, , # $ #; 17 : #88/; . ' *%/$ = $ #:
```

```
#!/bin/sh

#
# PROVIDE: dummy
# REQUIRE: NETWORKING SERVERS
# KEYWORD: shutdown
#
# Add these following line to /etc/rc.conf.local or /etc/rc.conf
# to enable this service:
#
# dummy_enable (bool): Set it to YES to enable dummy on startup.
#           Default: NO
# dummy_user (string): User account to run with.
#           Default: www
#

. /etc/rc.subr

case $0 in !
/etc/rc*)
    # during boot (shutdown) $0 is /etc/rc (/etc/rc.shutdown),
    # so get the name of the script from $_file
    name=$_file
    ;;
*)
    name=$0
    ;;
esac

name=${name##*/} "
rcvar="${name}_enable" #
desc="Short description of this service"
command="/usr/local/sbin/dummy"

load_rc_config "$name"

eval "${rcvar}=\${${rcvar}:-'NO'}" $
```

```
eval "${name}_svcj_options=\${${name}_svcj_options:-'net_basic'}" %
eval "_dummy_user=\${${name}_user:-'www'}" &

_dummy_configname=/usr/local/etc/${name}.cfg
pidfile=/var/run/dummy/${name}.pid
required_files ${_dummy_configname}
command_args="-u ${_dummy_user} -c ${_dummy_configfile} -p ${pidfile}"

run_rc_command "$1"
```

S ' T 90/8' \$/32, +\$# : /; /- /" "%( name 93\$%" #\*4/" % \* 6"%+/" ' / basename(1) ' - /" ' 3, ; ' : \$%. K34' ' - ( 5%74% Ñ /usr/local/etc/rc.d/dummy, \$# name 098/\$ 93\$%" #\*4/" # \* dummy. B%, ' - #0;%6#- , ' 6- /" /" ' / ' - /" ' rc-3, ; ' : \$% %\*\$#- %\$' +/3, ' ' 6- /" ' \$ 3#8/; . ' - #/ : /; /- /" "#7 name.

W9, %6 1 %/\$ ' - ( : /; /- /" "#7, , #S#; %( ' 3: #4269/\$3( \* rc.conf 84( \*, 4?+/" ' ( =\$#7 349. 01 "% #3" #\*/ ' - /" ' 5%74% =\$#A# 3, ; ' : \$%. < 8%" "#- : ; ' - /; / =\$# : ; /#0;%69/\$3( \* dummy\_enable.

X 90/. 8%/\$3(, +\$# 6"%+/" ' / : # 9- #4+% " ' ? 84( : /; /- /" "#7 \_enable 93\$%" #\*4/" # \* NO.

Y <# \$ : ; ' - /; 93\$%" #\*, ' " /, #S#; 1 > 6"%+/" ' 7 : # 9- #4+% " ' ? 84( : /; /- /" " 1 > 5; /7- \*#; , %, 3: /&' 5' + " 1 > 84( 349. 01, \* 8%" "#- 349+%/ Ñ #: &' 7, 4/\$, ' 349. 01.

Z ' [ 93\$%" #\*4' \*%? \$ : /; /- /" " 1/, \* " 9\$; /" "' / 84( 3, ; ' : \$% (#0;%\$' \$/ \*"' - %"' / "% : #8+G; , ' \*% "' / \* "%+%4/ \_dummy\_user, +\$#01 #4' +%S2 /G # \$ dummy\_user, , #S#; %( - #. /\$ 01\$2 6%8%" % \* rc.conf).

Q%3\$2 \* Y : ; /8" %6" %+/" % 84( : /; /- /" " 1>, , #S#; 1 / " / ' 3: #4269? \$3( \* " 9\$; ' 3%- #A# 3, ; ' : \$%, "# ' 3: #4269? \$3( \* ; %- , %> rc. <3/ : /; /- /" " 1/, , #S#; 1 / ' 3: #4269? \$3( , %, : %; %- /\$; 1 \* 3, ; ' : \$/, : ; ' 3\*%' \*%? \$3( #0@/7 : /; /- /" "#7, , %, \* [, +\$#01 9: ; #3\$' \$2 ' > ' 3: #426#\*%' ' / (" /\$ " /#0>#8' - #3\$' \* 1: #4" (\$2 eval : ; ' , %. 8#- #0; %@/" "' ).

I \$# \$ 3, ; ' : \$ \$/ : /; 2 098/\$ \*/3\$' 3/0( : #-8; 9A#- 9, /34' 3, ; ' : \$ 6%: 93, % ' - // \$ 8; 9A#/' - (. I \$# : #6\*#4(/\$ 3#68%\*\$S2 3' - \*#42" 1/ 3314, ' "% " /A#:

```
# ln -s dummy /usr/local/etc/rc.d/dummy_foo
# sysrc dummy_foo_enable=YES
# service dummy_foo start
```

<1C/: ; ' \*/8G" "#/ 3#68%/\$ =, 6/- : 4( ; 349. 01 dummy 3' - /" /- dummy\_foo. E" ' 3: #4269/\$ "/ 5%74 , # " 5' A9; %&' ' /usr/local/etc/dummy.cfg, % 5%74 , # " 5' A9; %&' ' /usr/local/etc/dummy\_foo.cfg (l), ' ' 3: #4269/\$ PID-5%74 /var/run/dummy/dummy\_foo.pid \*- /3\$# /var/run/dummy/dummy.pid.

0/; \*' 31 dummy ' dummy\_foo - #A9\$ 9: ; %\*4(\$23( "/6%\*' 3' - # 8; 9A # \$ 8; 9A%, : ; ' =\$#- 3, ; ' : \$ 6%: 93, % #0" #\*4(/\$3( %\*\$#- %\$' +/3, ' : ; ' #0" #\*4/" "' : %, /\$% (04%A#8%; ( 3' - \*#42" #7 3314, /). I \$# " / #0" #\*4(/\$ 3\$; #, 9 REQUIRE, : #=\$#- 9 " /\$ : ; #3\$#A# 3: #3#0% 6%\*' 3/\$2 # \$ , #, ; /\$ " #A# =, 6/- : 4(; %. QS#01 6%\*' 3/\$2 # \$ , #, ; /\$ " #A# =, 6/- : 4(; % \* : #; (8, / 6%: 93, %, "/#0>#8' - # 3#68%\$2 , #: ' ? \*- /3\$# ' 3: #426#\*%' ' ( 3' - \*#42" #7 3314, ' . I \$# : ; /8#\$\*; %@%/ \$

%\*\$#- %S' +/3, #/: ; ' - /" /"' / ' 6- /" /"' 7 \* 3, ; ' : \$/ 6%: 93, %: ; ' 93\$%" #\*, / #0" #\*4/"' (.

## 11. C\*. \* < / &% (<= / #? < &% (" #%+ " #

E; ' A' "%42" % ( 3\$%\$2( L?, % M2? 0/; "% : ; /84%A/\$ #0@' 7 #06#; rc.d ' : #8; #0" #/ #0#3" #\*%"' / : ; ' " (\$1> : ; ' /A# : ; #/, \$' ; #\*%"' ' ' ; /C/"' 7. < " /7 : ; /83\$%\*4/" # : #"' - %"' / \*3/A# 5; /7- \*#; , % rc.d' /A# - /3\$% \* 3#\*; /- /" "#7 BSD-3' 3\$/- /.

c9, ##83\$% rc(8), rc.subr(8) ' rcorder(8) : #8; #0" # #: ' 31\*%?\$ , #- : #"/" \$1 rc.d. J/6 ' 69+/"' ( =S' > ; 9, ##83\$\* ' #0; %@/"' ( , "' - : ; ' "%: ' 3%"' ' 3#03\$\*/" " 1> 3, ; ' : \$#\* " /\*#6- #. " # \* : #4" #7 - /; / ' 3: #426#\*%\$2 \*#6- #. " #3\$' rc.d.

E3" #\*" 1- ' 3\$#+"' , #- ; %0#+> , . ' 6"/" " 1> : ; ' - /; #\* (\*4(/\$3( /etc/rc.d \* ; %0#\$%? @/7 3' 3\$/- /. KA# 3#8/; . ' - #/ 4/A, # ' : ; ' (\$" # + ' \$%\$2, : #3, #42, 9 0#42C' " 3\$\*# 34#. " 1> - #- /" \$#\* 3, ; 1\$# A490#, # \* rc.subr(8). E8" %, # : #- "' \$/, +\$# 3, ; ' : \$1 \* /etc/rc.d 014' "%: ' 3%" 1 " / %" A/4%- ' , : #=\$#- 9 #"' - #A9\$ 3#8/; . %\$2 #C' 0, ' ' "/# : \$' - %42" 1/ ; /C/"' ( . B/: /; 2 \* 1 - #. /\$/' > 949+C' \$2!