

CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
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CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	

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MM      MM      CCCCCCCC  RRRRRRRR  SSSSSSSS  EEEEEEEEE  TTTTTTTTTT
MM      MM      CCCCCCCC  RRRRRRRR  SSSSSSSS  EEEEEEEEE  TTTTTTTTTT
MMM     MMM     CC          RR          RR  SS          EE          TT
MMM     MMM     CC          RR          RR  SS          EE          TT
MM      MM      CC          RR          RR  SS          EE          TT
MM      MM      CC          RR          RR  SS          EE          TT
MM      MM      CC          RRRRRRRR  SSSSSS   EEEEEEEE   TT
MM      MM      CC          RRRRRRRR  SSSSSS   EEEEEEEE   TT
MM      MM      CC          RR  RR          SS          EE          TT
MM      MM      CC          RR  RR          SS          EE          TT
MM      MM      CC          RR  RR          SS          EE          TT
MM      MM      CC          RR  RR          SS          EE          TT
MM      MM      CCCCCCCC  RR          RR  SSSSSSSS  EEEEEEEEE  TT
MM      MM      CCCCCCCC  RR          RR  SSSSSSSS  EEEEEEEEE  TT

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CCCCCCCC  LL          DDDDDDDD
CCCCCCCC  LL          DDDDDDDD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CC          LL          DD          DD
CCCCCCCC  LLLLLLLLLL  DDDDDDDD
CCCCCCCC  LLLLLLLLLL  DDDDDDDD

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Version: 'V04-000'

- V03-040 JAK0226 J A Krycka 16-Aug-1984
Change /OWNER to /OWNER_UIC on SET QUEUE for consistency with other commands.
- V03-039 CWH3039 CW Hobbs 27-Jul-1984
Comment out disallow references to /WRITE and /CONTROLLER for SET DEVICE /SERVED
- V03-038 AEW0003 Anne E. Warner 25-Jul-1984
1. Take \$DELTATIME value out of SET VOLUME/RETENTION. This was added in V03-073.
2. Comment out the qualifiers /[NO]WRITE and /CONTROLLER in SET DEVICE/SERVED.
3. Make SYNTAX= qualifiers nonnegatable throughout SET.
4. Make qualifiers negatable in SET:
ACCOUNTING PASSWORD
CARD READER PROCESS
DAYTIME PROTECTION
DEVICE RMS DEFAULT
DIRECTORY VOLUME
FILE WORKING_SET
LOGINS
MESSAGE
MAGTAPE
- V03-037 MAJ0008 Melanie Johnson 24-Jul-1984
Include missing edits from PCG0019 in SET.CLD.
- V03-036 JAK0220 J A Krycka 12-Jul-1984
Add [NO]FEED option to the /DEFAULT qualifier.
- V03-035 DAS0003 David Solomon 09-Jul-1984
Add SET VOLUME/REBUILD.
- V03-034 LMP0260 L. Mark Pilant, 25-Jun-1984 14:08
Add a qualifier, /DEFAULT, to be used with SET ACL/LIKE to only copy default option ACEs.
- V03-033 JLV0355 Jake VanNoy 12-APR-1984
Add SET HOST/DTE/DIAL
- V03-032 ROW0349 Ralph O. Weber 12-APR-1984
Add SET DEVICE/[NO]DIAGNOSTIC.
Add SET HOST/HSC with executed image HSCPAD.
Add SET PRINTER /FORM_UNIT /TRUNCATE /TAB /SIXELS /BITMAPPED for Elliott.
- V03-031 PCG0001 Peter George 30-Mar-1984
Add SET RMS/NETWORK BLOCK COUNT.
Add SET DEVICE/SERVED/NOWRITE/CONTROLLER.
Specify SET VOL/RETENTION takes delta time values.
- V03-030 LMP0217 L. Mark Pilant, 24-Mar-1984 22:28
Change all refernces to SETACL to be SETSHOACL.

V03-029 BLS0291 Benn Schreiber 24-MAR-1984
SET PASSWORD is now in SETPO

V03-028 MAJ0007 Melanie A. Johnson 15-Mar-1984
Add HSW0030, LMP0210, HWS0024, SHZ003, HWS0018, PCG0017,
LMP0185, MMD0230, AEW0002, AEW0001 from SET.CLD.

V03-027 PRB0322 Paul Beck 11-Mar-1984
Add SET CLUSTER /QUORUM

V03-026 PLL0003 Pamela Levesgue 08-Mar-1984
Remove required types for SET TERM/DEVICE (to allow
SET TERM to use termtable defined terminals)

V03-025 EMD0056 Ellen M. Dusseault 02-Mar-1984
Add new terminal name, PRO_SERIES, for SET TERMINAL
/DEVICE=

V03-024 EMD0053 Ellen M. Dusseault 28-Feb-1984
Allow SET TERMINAL qualifier, dec_crt, to have a value
and also a list of elements.

V03-023 MCN0154 Maria del C. Nasr 27-Feb-1984
Add DETACHED, SUBPROCESS to /ENABLE in SET ACCOUNTING.

V03-022 RSH0107 R. Scott Hanna 24-Feb-1984
Fix field test 1 problems with SET AUDIT.

V03-021 SHZ0002 Stephen H. Zalewski 13-Feb-1984
Add /SECONDARY to SET PASSWORD.

V03-020 DAS0002 David Solomon 6-Feb-1984
Remove /JOURNAL keyword from SET FILE and SET AUDIT.

V03-019 MCN0146 Maria del C. Nasr 01-Feb-1984
Add MESSAGE keyword to /ENABLE in SET ACCOUNTING.

V03-018 EMD0043 Ellen M. Dusseault 31-Jan-1984
add /FALLBACK to SET PRINTER

V03-017 SHZ0001 Stephen H. Zalewski 03-Jan-1984
add /GENERATE to SET PASSWORD.

V03-016 MAJ0006 Melanie Johnson 14-Sep-1983
Update to the same level as SET.CLD V03-047 by adding
SET HOST/SNA/CHARACTER_SET and SET TERMINAL/SYSPASSWORD.

V03-015 GAS0175 Gerry Smith 30-Aug-1983
Add SET BROADCAST.

V03-014 BLS0232 Benn Schreiber 5-Aug-1983
Add SET TERM/PASTHRU

V03-013 MAJ0005 Melanie Johnson 29-Jul-1983
Add SET HOST/BTS. Enhance SET QUEUE to match SET.CLD

V03-043. Change \$PARENTHESED_VALUE TO \$ACL as in SET.CLD V03-040.

V03-012 GAS0153 Gerry Smith 25-Jul-1983
Add SET AUDIT.

V03-011 GAS0139 Gerry Smith 17-Jun-1983
Add SET PASSWORD/SYSTEM.

V03-010 JLV0271 Jake VanNoy 14-JUN-1983
Add SET HOST/LOG=output_file

V03-009 MAJ0004 Melanie Johnson 27-May-1983
Synchronize with SET.CLD V03-035. Remove SET MAILBOX.

V03-008 JLV0256 Jake VanNoy 26-May-1983
Change default of set host/old.

V03-007 RSH0025 R. Scott Hanna 24-May-1983
Add SECURITY privilege

V03-006 MAJ0003 Melanie Johnson 29-Apr-1983
Synchronize with SET.CLD V03-027. Sigh.
Add SET MAILBOX.

V03-005 KPL0001 Peter Lieberwirth 29-Apr-1983
Add the /AI_JOURNAL, /BI_JOURNAL, and /AT_JOURNAL
qualifiers.

V03-004 PRB0175 Paul Beck 26-APR-1983 21:29:34
Add TMPJNL and PRMJNL privileges

V03-003 MAJ0002 Melanie Johnson 11-Apr-1983
Reconvert SET.CLD to MCRSET.CLD because everyone who
has changed SET.CLD has carelessly ignored the warning
in SET.CLD which says that MCRSET.CLD must also be changed!

V03-002 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
Make all necessary changes for new CDU.

V03-001 MAJ0001 Melanie Johnson 11-Feb-1983
Update this CLD to be parallel with V03-014 of SET.CLD.

from SET.CLD

V03-049 AEW0002 Anne Warner 15-Dec-1983
Add /PROTECTION to SET FILE

V03-048 AEW0001 Anne Warner 08-Nov-1983
Add /UNLOCK to SET FILE

V03-019 GAS0112 Gerry Smith 29-Mar-1983
Add labels for the parts of set which are being
converted to the new CLI interface.

V03-018 PCG0009 Peter George 28-Mar-1983
Add SET KEY.
Delete MCR-specific statements.

V03-017 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
Replace definition of SET COMMAND for new CDU.
Make all necessary changes for new CDU.

V03-016 GAS0106 Gerry Smith 12-Mar-1983
Add five new privileges, as well as /LOG to
many new SET options.

V03-015 MLJ0015 Martin L. Jack 01-Mar-1983
Changes for new QUEMAN image.

V03-014 PCA1008 Paul C. Anagnostopoulos 11 Feb 1983
Add a comment about the equivalent CLD for MCR.

V03-013 JLV0229 Jake VanNoy 11-Feb-1983
Add temporary /OLD to SET HOST as a means of using
either protocol to remote node.

V03-012 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983
Remove MCRIGNORE flag from SET_PROMPT syntax definition, as
the new CDU won't support it.

V03-011 GAS0105 Gerry Smith 27-Jan-1983
Add /LOG qualifier.

V03-010 MLJ0010 Martin L. Jack 01-Jan-1983
Changes for new QUEMAN image.

V03-009 PCG0008 Peter George 19-Nov-1982
Correct placement of PROMPT keyword.

V03-008 PCG0007 Peter George 14-Nov-1982
Set MCRIGNORE flag for SET PROMPT.

V03-007 PCG0006 Peter George 29-Oct-1982
Add SET PROMPT. Fix SET TIME.

V03-006 PCG0005 Peter George 21-Oct-1982
Make SET PROTECTION work.

V03-005 DWT0061 David Thiel 20-Oct-1982
Use keywords for value of /CLI qualifier

V03-004 PCG0004 Peter George 19-Oct-1982
Correct spelling of SET CONTROL Y keyword.
Copy previous parameter definitions into each
DEFINE SYNTAX statement.

V03-003 PCG0003 Peter George 06-Oct-1982
Correct placement of /PROTECTION and /DEFAULT
qualifiers to SET PROTECTION. Put mcroptdelim
flag into cliflags construct.

V03-002 PCG0002 Peter George 03-Aug-1982
Add SET HOST/SNA

V03-001 PCG0001 Peter George 15-Jul-1982
Allow negated privileges

define type file_access_types

keyword all
keyword control
keyword delete
keyword execute
keyword read
keyword write

define type file_audit_types

keyword all
keyword bypass, value(list,default=all,type=file_access_types)
keyword downgrade, value(list,default=all,type=file_access_types)
keyword failure, value(list,default=all,type=file_access_types)
keyword grpdrv, value(list,default=all,type=file_access_types)
keyword readall, value(list,default=all,type=file_access_types)
keyword success, value(list,default=all,type=file_access_types)
keyword sysdrv, value(list,default=all,type=file_access_types)
keyword upgrade, value(list,default=all,type=file_access_types)

define type breakin_types

keyword all
keyword detached
keyword dialup
keyword local
keyword network
keyword remote

define type loginout_types

keyword all
keyword batch
keyword detached
keyword dialup
keyword local
keyword network
keyword remote
keyword subprocess

define type audit_types

keyword acl
keyword all
keyword authorization
keyword file_access, value(required,list,type=file_audit_types)
keyword breakin, value(required,list,type=breakin_types)
keyword logfailure, value(required,list,type=loginout_types)
keyword login, value(required,list,type=loginout_types)
keyword logout, value(required,list,type=loginout_types)
keyword mount

```
define type keep_file
    keyword recovery
    keyword journal

define type mode_types
    keyword prompt,          default,negatable

define type acl_objects
    keyword file
    keyword device
    keyword queue
    keyword event_cluster
    keyword logical_name_table
    keyword process
    keyword global_section

define type skiptypes
    keyword end_of_tape
    keyword files,value
    keyword blocks,value
    keyword records,value

define type print_bft
    keyword all,default
    keyword one

define type defaults
    keyword burst,negatable,value(type=print_bft)
    keyword feed,negatable
    keyword flag,negatable,value(type=print_bft)
    keyword trailer,negatable,value(type=print_bft)

define type retain
    keyword all,default
    keyword error

define type protection
    keyword system,value
    keyword group,value
    keyword owner,value
    keyword world,value

define type control_keys
    keyword y

define type verify_keys
    keyword procedure,negatable
    keyword image,negatable

define type privileges
    keyword acct,negatable
    keyword allspool,negatable
    keyword altpri,negatable
    keyword bugchk,negatable
    keyword bypass,negatable
    keyword cmexec,negatable
```



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keyword cmkrnl,negatable
keyword detach,negatable
keyword diagnose,negatable
keyword downgrade,negatable
keyword exquota,negatable
keyword group,negatable
keyword grpnam,negatable
keyword grppriv,negatable
keyword log_io,negatable
keyword mount,negatable
keyword netmbx,negatable
keyword oper,negatable
keyword pfnmap,negatable
keyword phy_io,negatable
keyword prmceb,negatable
keyword prmgbl,negatable
keyword prmjnl,negatable
keyword prmbx,negatable
keyword pswapm,negatable
keyword readall,negatable
keyword same,negatable
keyword security,negatable
keyword setpriv,negatable
keyword share,negatable
keyword shmem,negatable
keyword syslck,negatable
keyword sysgbl,negatable
keyword sysnam,negatable
keyword syspriv,negatable
keyword tmpjnl,negatable
keyword tmpmbx,negatable
keyword upgrade,negatable
keyword volpro,negatable
keyword world,negatable
```

```
define type accounting_types
```

```
keyword batch
keyword interactive
keyword login_failure
keyword print
keyword process
keyword network
keyword image
keyword message
keyword detached
keyword subprocess
```

```
define type brdcst_types
```

```
keyword all
keyword none
keyword general,negatable
keyword phone,negatable
keyword mail,negatable
keyword queue,negatable
keyword shutdown,negatable
keyword urgent,negatable
```

```
keyword dcl,negatable
keyword opcom,negatable
keyword user1,negatable
keyword user2,negatable
keyword user3,negatable
keyword user4,negatable
keyword user5,negatable
keyword user6,negatable
keyword user7,negatable
keyword user8,negatable
keyword user9,negatable
keyword user10,negatable
keyword user11,negatable
keyword user12,negatable
keyword user13,negatable
keyword user14,negatable
keyword user15,negatable
keyword user16,negatable

define type journal_keywords
keyword ai,negatable,value
keyword at,negatable,value
keyword bi,negatable,value
keyword never_ru,negatable
keyword only_ru,negatable
keyword ru,negatable

define type schedule
keyword size,negatable

define type separate
keyword burst,negatable
keyword flag,negatable
keyword reset,negatable,value(required,list)
keyword trailer,negatable

define type protocol_types
keyword none
keyword ddcmp

define type psisetx29_int_brk
keyword action,negatable,value(type=psisetx29_action,required,list)
label=psisetx29_action
keyword string,negatable,value(required),label=psisetx29_string

define type psisetx29_action
keyword purge negatable,label=psisetx29_purge
keyword reset negatable,label=psisetx29_reset
keyword clear negatable,label=psisetx29_clear

define type x29_param_type
keyword break, label=x29_break,negatable,
value(type=$number,default=1)
keyword 7, label=x29_break_n,
value(required,type=$number)
keyword crfill, label=x29_crfill,negatable,
```

```
keyword 9, value(type=$number,default=1)
label=x29_crfill_n,
keyword delete, value(required,type=$number)
label=x29_delete,negatable,
keyword 16, value(type=$number,default=1)
label=x29_delete_n,
keyword discard_output, value(required,type=$number)
label=x29_discard_output,negatable,
keyword 8, value(type=$number,default=1)
label=x29_discard_output_n,
keyword echo, value(required,type=$number)
label=x29_echo,negatable,
keyword 2, value(type=$number,default=1)
label=x29_echo_n,
keyword edit, value(required,type=$number)
label=x29_edit,negatable,
keyword 15, value(type=$number,default=1)
label=x29_edit_n,
keyword escape_character, value(required,type=$number)
label=x29_escape,negatable,
keyword 1, value(type=$number,default=1)
label=x29_escape_n,
keyword forwarding_characters, value(required,type=$number)
label=x29_forwarding,negatable,
keyword 3, value(type=$number,default=1)
label=x29_forwarding_n,
keyword hostsync, value(required,type=$number)
label=x29_hostsync,negatable,
keyword 5, value(type=$number,default=1)
label=x29_hostsync_n,
keyword lffill, value(required,type=$number)
label=x29_lffill,negatable,
keyword 14, value(type=$number,default=1)
label=x29_lffill_n,
keyword line_delete, value(required,type=$number)
label=x29_line_delete,negatable,
keyword 17, value(type=$number,default=1)
label=x29_line_delete_n,
keyword messages, value(required,type=$number)
label=x29_messages,negatable,
keyword 6, value(type=$number,default=1)
label=x29_messages_n,
keyword new_line, value(required,type=$number)
label=x29_new_line,negatable,
keyword 13, value(type=$number,default=1)
label=x29_new_line_n,
keyword redisplay_line, value(required,type=$number)
label=x29_redisplay_line,negatable,
keyword 18, value(type=$number,default=1)
label=x29_redisplay_line_n,
keyword speed, value(required,type=$number)
label=x29_speed,negatable,
keyword 11, value(type=$number,default=1)
label=x29_speed_n,
keyword timeout, value(required,type=$number)
label=x29_timeout,negatable,
```

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keyword 4,          value(type=$number,default=1)
                    label=x29_timeout_n,
                    value(required,type=$number)
keyword ttsync,    label=x29_ttsync_negatable,
                    value(type=$number,default=1)
keyword 12,        label=x29_ttsync_n,
                    value(required,type=$number)
keyword wrap,      label=x29_wrap_negatable,
                    value(type=$number,default=1)
keyword 10,        label=x29_wrap_n,
                    value(required,type=$number)

define syntax acledit
  image acledit
  parameter p1,label=option,value(required)
  parameter p2,prompt='file',value(required,type=$infile),label=input
  qualifier journal,    default,value(type=$infile)
  qualifier recover,    value(type=$infile)
  qualifier keep,       value(list,type=keep_file)
  qualifier mode,       default,value(type=mode_types)
  qualifier object_type, value(type=acl_objects)

define syntax set_accounting
  prefix clisk_stac
  parameter p1,label=option,value(required)
  qualifier disable,    value(list,type=accounting_types)
  qualifier enable,     value(list,type=accounting_types)
  qualifier new_file
  qualifier log

define type set_acl_like
  keyword object_name, value(required)
  keyword object_type, value(required,type=acl_objects)

define type dial_keywords
  keyword number,       value(required)
  keyword modem_type,   value(default=DF03),default

define syntax set_acl
  image set$hoacl
  parameter p1,label=option,value(required)
  parameter p2,prompt='Object',value(list,required,type=$infile),label=input
  qualifier acl,        value(list,type=$acl)
  qualifier after,      value(required,type=$acl)
  qualifier backup
  qualifier before,     value(default=today)
  qualifier by_owner,   value(type=$uic)
  qualifier confirm
  qualifier created
  qualifier default
  qualifier delete
  qualifier edit,       syntax=acledit,nonnegatable
  qualifier exclude,    value(required,list)
  qualifier expired
  qualifier like,       value(required,type=set_acl_like)
  qualifier log

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    qualifier modified
    qualifier new
    qualifier object_type, value(type=acl_objects)
    qualifier replace, value(required,list,type=$acl)
    qualifier since, value(default=today)

define syntax set_audit
    parameter p1,label=option,value(required)
    disallow not alarm
    disallow not enable and not disable
    qualifier alarm, nonnegatable
    qualifier disable, nonnegatable,value(required,list,type=audit_types)
    qualifier enable, nonnegatable,value(required,list,type=audit_types)
    qualifier log nonnegatable

define syntax set_broadcast
    parameter p1,label=option,value(required,list,type=set_options)
    noqualifiers

define syntax set_card_reader
    prefix cli$sk_s$cr
    parameter p1,label=option,value(required)
    parameter p2,label=device,prompt='Device',value(required,type=$device)
    qualifier 026
    qualifier 029
    qualifier log

define syntax set_cluster
    prefix cli$sk_stcl_
    qualifier quorum, value,nonnegatable

define syntax set_control
    parameter p1,label=option,value(required)
    noqualifiers
    cliroutine setctly

define syntax set_device
    prefix cli$sk_stdv
    parameter p1,label=option,value(required)
    parameter p2,label=file,prompt='Device',value(required,type=$device)
    qualifier spooled, value(list)
    qualifier error_logging
    qualifier available
    qualifier dual_port
    qualifier log
    qualifier served
    qualifier write
    qualifier controller, value(required)
    qualifier diagnostic

    qualifier acl, syntax=set_dev_acl,
    value(list,type=$acl),nonnegatable
    qualifier after, value(required,type=$acl)
    qualifier default
    qualifier delete
    qualifier edit, syntax=acledit,nonnegatable

```

```

    qualifier like,                value(required,type=$device)
    qualifier new
    qualifier replace,            value(required,list,type=$acl)
! disallow (write or controller or neg write) and not served

define syntax set_dev_acl
    image setshoacl
    parameter p1,label=option,value(required)
    parameter p2,prompt="Device",value(list,required,type=$infile),label=input

define syntax set_default
    cliroutine setdefault
    parameter p1,label=option,value(required)
    parameter p2,prompt="Directory",value(required,type=$directory)
    noqualifiers

define syntax set_directory
    prefix clisk_stdi
    parameter p1,label=option,value(required)
    parameter p2,label=directory,prompt="Directory",value(list,required,impcat,type=$directory)
    qualifier confirm
    qualifier log
    qualifier owner_uic,          value(type=$uic)
    qualifier version_limit,     value
    qualifier exclude,          value(required,list)
    qualifier before,           value(default=today)
    qualifier since,            value(default=today)
    qualifier backup
    qualifier created
    qualifier modified
    qualifier expired
    qualifier by_owner,         value(type=$uic)
    qualifier acl,              syntax=set_dir_acl,
                                value(list,type=$acl),nonnegatable
                                value(required,type=$acl)
    qualifier after
    qualifier default
    qualifier delete
    qualifier edit,             syntax=acredit,nonnegatable
    qualifier like,             value(required,type=$infile)
    qualifier new
    qualifier replace,          value(required,list,type=$acl)

define syntax set_dir_acl
    image setshoacl
    parameter p1,label=option,value(required)
    parameter p2,prompt="Directory",value(list,required,type=$infile),label=input

define syntax set_file
    prefix clisk_stfl
    parameter p1,label=option,value(required)
    parameter p2,label=file,prompt="File",value(list,impcat,required,type=$infile)
    qualifier backup
    qualifier confirm
    qualifier data_check,       value(list)
    qualifier end_of_file,      value(required,type=$infile)
    qualifier enter

```

```

qualifier erase_on_delete
qualifier expiration_date, value(required,type=$datetime)
qualifier extension, value
qualifier global_buffers, value(required)
! **JNL**
qualifier journal, value(required,list,
! **JNL** type=journal_keywords),nonnegatable

qualifier log
qualifier nodirectory
qualifier owner_uic, value(type=$infile)
qualifier record_protection, value
qualifier truncate
qualifier remove
qualifier version_limit, value
qualifier exclude, value(required,list)
qualifier before, value(default=today)
qualifier since, value(default=today)
qualifier created
qualifier modified
qualifier by_owner, value(type=$uic)
qualifier acl, syntax=set_file_acl,
value(list,type=$acl),nonnegatable
value(required,type=$acl)

qualifier after
qualifier default
qualifier delete
qualifier edit, syntax=acledit,nonnegatable
qualifier like, value(required,type=$infile)
qualifier new
qualifier replace, value(required,list,type=$acl)
qualifier unlock,
qualifier protection, value(list,type=protection)

define syntax set_file_acl
image setshoact
parameter p1,label=option,value(required)
parameter p2,prompt="file",value(list,required,type=$infile),label=input

define syntax set_host_bts
image bts{nk
qualifier exit_key, label=exitkey,nonnegatable,value(required)

define syntax set_host_hsc
image hscpad
noqualifiers

define syntax set_host_sna
image snaterm
qualifier access_name, label=snaterm_access_name,
value(required),nonnegatable,placement=global
qualifier session_address, label=snaterm_session_addr,
value(required),nonnegatable,placement=global
qualifier circuit, label=snaterm_circuit,
value(required),nonnegatable,placement=global
qualifier application_name, label=snaterm_appl_name,
value(required),nonnegatable,placement=global
qualifier logon_mode, label=snaterm_logon_mode,
value(required),nonnegatable,placement=global

```

```

qualifier user_name,    label=snaterm_user_name,
                        value(required),nonnegatable,placement=global
qualifier data,        label=snaterm_data,
                        value(required),nonnegatable,placement=global
qualifier password,    label=snaterm_password,
                        value(required),nonnegatable,placement=global
qualifier printer,     label=snaterm_printer,
                        value(required,type=$outfile),
                        nonnegatable,placement=global
qualifier wait,        label=snaterm_wait,placement=global
qualifier character_set, label=snaterm_character_set,
                        value(required,type=$infile),nonnegatable

define syntax set_host_x29_ccitt
parameter p1,          label=option,value(required)
parameter p2,          label=psipad_dte,prompt='Node'
disallow <set_host_x29>psipad_parameters.x29_speed
disallow <set_host_x29>psipad_parameters.x29_speed_n
disallow not psipad_dte and (
    <set_host_x29>psipad_cug or
    <set_host_x29>psipad_facilities or
    <set_host_x29>psipad_fast_select or
    <set_host_x29>psipad_local_dte or
    <set_host_x29>psipad_packet_size or
    <set_host_x29>psipad_protocol_id or
    <set_host_x29>psipad_reverse or
    <set_host_x29>psipad_subaddress or
    <set_host_x29>psipad_thruput_class or
    <set_host_x29>psipad_user_data or
    <set_host_x29>psipad_window_size )

define syntax set_host_x29
image psipad
parameter p1,          label=option,value(required)
parameter p2,          label=psipad_dte,prompt='Node',value(required)
qualifier ccitt,        label=psipad_ccitt,syntax=set_host_x29_ccitt,
                        nonnegatable
qualifier close_user_group, label=psipad_cug,nonnegatable,value
qualifier default_escape_character, label=psipad_dle,default,
                        value(default=P)
qualifier facilities,    label=psipad_facilities,
                        value(required,list,type=$number)
qualifier fast_select,   label=psipad_fast_select
qualifier local_dte,     label=psipad_local_dte,value(required)
qualifier log,           label=psipad_log,
                        value(type=$outfile,default=PSIPAD.LOG)
qualifier packet_size,   label=psipad_packet_size,
                        value(type=$number,required)
qualifier parameters,    label=psipad_parameters,
                        value(type=x29_param_type,list,required)
qualifier profile,       label=psipad_profile,value(required,list)
qualifier protocol_identifier, label=psipad_protocol_id,nonnegatable,
                        value(required)
qualifier reverse_charging, label=psipad_reverse
qualifier statistics,    label=psipad_statistics,default
qualifier subaddress,    label=psipad_subaddress,value(required)

```



```
qualifier thruput_class, label=psipad_thruput_class,
                        value(required,type=$number)
qualifier user_data,   label=psipad_user_data,value(required)
qualifier vms_mode,   label=psipad_vms_mode
qualifier window_size, label=psipad_window_size,
                        value(required,type=$number)
disallow psipad_parameters.x29_speed
disallow psipad_parameters.x29_speed_n

define syntax set_host
  image rtpad
  parameter p1,label=option,value(required)
  parameter p2,prompt="Node",value(required,type=$node),
            label=node
  qualifier sna,      nonnegatable,syntax=set_host_sna
  qualifier bts,      nonnegatable,syntax=set_host_bts
  qualifier old,      label=old
  qualifier log,      label=log,
                    value(default=SETHOST.LOG,type=$outfile)
  qualifier dtc,      label=dtc
  qualifier dial,     value(list,type=dial_keywords)
  qualifier hsc,      nonnegatable,syntax=set_host_hsc
  qualifier x29,      nonnegatable,syntax=set_host_x29

define syntax set_logins
  prefix cli$sk_stlg
  parameter p1,label=option,value(required)
  qualifier interactive, value

define syntax set_magtape
  prefix cli$sk_stmt
  parameter p1,label=option,value(required)
  parameter p2,label=device,prompt="Device",value(required,type=$device)
  qualifier density,  value(required)
  qualifier rewind
  qualifier unload
  qualifier logsoft
  qualifier log
  qualifier end_of_file
  qualifier skip,     value(required,type=skiptypes)

define syntax set_message
  image setp0
  prefix cli$sk_stms
  parameter p1,label=option,value(required)
  parameter p2,label=file,prompt="File",value(type=$infile)
  qualifier delete
  qualifier facility
  qualifier ident
  qualifier severity
  qualifier text
  qualifier language, value(required)

define syntax set_on
  cliroutine seton
  parameter p1,label=option,value(required)
```

noqualifiers

```
define syntax set_password
  image setp0
  parameter p1,label=option,value(required)
  qualifier generate      value(type=$number)
  qualifier secondary
  qualifier system

define syntax set_printer
  prefix cli$kl_stlp
  parameter p1,label=option,value(required)
  parameter p2,label=device,prompt='Device',value(required,type=$device)
  qualifier cr
  qualifier ff
  qualifier uppercase
  qualifier lowercase
  qualifier lall          nonnegatable
  qualifier la180        nonnegatable
  qualifier lp1          nonnegatable
  qualifier page,        default,value,nonnegatable
  qualifier unknown      nonnegatable
  qualifier width,       default,value,nonnegatable
  qualifier passall
  qualifier fallback
  qualifier davfu
  qualifier form_unit
  qualifier wrap
  qualifier printall
  qualifier log
  qualifier truncate
  qualifier tab
  qualifier sixels
  qualifier bitmapped

define syntax set_process
  prefix cli$kl_stpc
  cliroutine setprocess
  parameter p1,label=option,value(required)
  parameter p2,label=process,prompt='Process',value(type=$process)
  qualifier identification,value(required)
  qualifier priority,    value(required)
  qualifier resource_wait
  qualifier swapping
  qualifier privileges,  value(list,required,type=privileges)
  qualifier suspend
  qualifier resume,
  qualifier name,        value(required)

define syntax set_def_prot
  cliroutine setprot
  prefix cli$kl_stpr
  parameter p1,label=option,value(required)
  qualifier default

define syntax set_protection
```

```

prefix cli$sk_stpr
parameter p1,label=option,value(required,type=set_options)
parameter p2,label=file,prompt='File',value(list,required,impcat,type=$infile)
qualifier default,      syntax=set_def_prot,nonnegatable
qualifier protection,   placement=local,
                        value(list,type=protection,required)

qualifier device
qualifier owner_uic,    value(type=$uic)
qualifier confirm
qualifier log

define syntax set_queue
image que$man
parameter p1,label=option,value(required,type=set_options)
parameter p2,prompt='Queue'
qualifier after,        value(required,type=$datetime)
qualifier base_priority,value(required)
qualifier block_limit,  value(required,list)
qualifier burst
qualifier characteristics,value(required,list)
qualifier checkpoint,   default
qualifier cli,          value(required)
qualifier copies,       value(required)
qualifier cpudefault,   value(required)
qualifier cpumaximum,   value(required)
qualifier cputime,      value(required)
qualifier default,      value(required,list,type=defaults)
qualifier delete
qualifier disable_swapping
qualifier enable_generic
qualifier entry,        value(required)
qualifier feed
qualifier flag
qualifier form,         value(required)
qualifier header
qualifier hold
qualifier job_,         value(required) ! collision: job_count, job_limit
qualifier keep
qualifier log_file,     value(required)
qualifier lowercase
qualifier name,         value(required)
qualifier note,         value(required)
qualifier notify
qualifier operator,     value(required)
qualifier owner_uic,    value(required,type=$uic)
qualifier pages,        value(required,list)
qualifier parameters,   value(required,list)
qualifier passall
qualifier printer,      value(required)
qualifier priority,     value(required)
qualifier protection,   value(required,list,type=protection)
qualifier release
qualifier requeue,      value(required)
qualifier restart
qualifier retain,       value(type=retain)
qualifier schedule,     value(required,list,type=schedule)

```

```

qualifier separate,      value(required,list,type=separate)
qualifier setup,        value(required,list)
qualifier space
qualifier trailer
qualifier wsdefault,    value(required)
qualifier wextent,      value(required)
qualifier wsquota,      value(required)

define syntax set_restart_value
  image queman
  parameter p1,label=option,value(required,type=set_options)

define syntax set_rms_default
  prefix clisk_strm
  parameter p1,label=option,value(required)
  qualifier block_count, value(required)
  qualifier buffer_count, value(required)
  qualifier disk
  qualifier magtape
  qualifier unit_record
  qualifier hash
  qualifier indexed
  qualifier relative
  qualifier sequential
  qualifier system
  qualifier space_holder
  qualifier prologue value(required)
  qualifier extend_quantity value(required)
  qualifier network_block_count,value(required)

define syntax set_term_x29
  image psisetx29
  parameter p1,      label=option,value(required)
  parameter p2,      label=device,prompt='Device',value(type=$device)
  qualifier hold_timer, value(type=$number,required)
  qualifier interrupt, value(type=psisetx29_int_brk,list,
                          label=psisetx29_int_brk,required),
  qualifier break,    value(type=psisetx29_int_brk,list,
                          label=psisetx29_break,required),
  qualifier parameters, label=psisetx29_parameters
                          value(type=x29_param_type,list,required)
  qualifier network_specific label=psisetx29_network_specific
                          value(list,required)
  qualifier permanent, label=psisetx29_permanent,nonnegatable
  qualifier log,        label=psisetx29_log

define syntax set_terminal
  prefix clisk_sttt
  parameter p1,label=option,value(required)
  parameter p2,label=device,prompt='Device',value(type=$device)
  qualifier application_keypad
  qualifier broadcast
  qualifier crfill,    value

```

```

qualifier dismiss_parity
qualifier echo
qualifier eight_bit
qualifier escape
qualifier hardcopy
qualifier hold_screen
qualifier hostSync
qualifier interactive
qualifier la36          nonnegatable
qualifier lfill,      value
qualifier form
qualifier frame,      value,nonnegatable
qualifier lowercase
qualifier numeric_keypad
qualifier page,       value
qualifier passall
qualifier la120       nonnegatable
qualifier scope
qualifier scribe
qualifier speed,      value(required,list)
qualifier tab
qualifier ttsync
qualifier typeahead
qualifier unknown    nonnegatable
qualifier uppercase
qualifier vt05        nonnegatable
qualifier vt52        nonnegatable
qualifier vt55        nonnegatable
qualifier width,     value
qualifier wrap
qualifier parity,    value
qualifier readsync
qualifier permanent  nonnegatable
qualifier vt100      nonnegatable
qualifier ft1        nonnegatable
qualifier ft2        nonnegatable
qualifier ft3        nonnegatable
qualifier ft4        nonnegatable
qualifier ft5        nonnegatable
qualifier ft6        nonnegatable
qualifier ft7        nonnegatable
qualifier ft8        nonnegatable
qualifier fulldup
qualifier halfdup
qualifier local_echo
qualifier autobaud
qualifier hangup
qualifier brdcstmbx
qualifier dma
qualifier altypeahd
qualifier ansi_crt
qualifier regis
qualifier block_mode
qualifier advanced_video
qualifier xon         nonnegatable
qualifier device_type value(required),nonnegatable

```

```

qualifier modem
qualifier inquire      nonnegatable
qualifier dec_crt,    value(list)
qualifier edit
qualifier set_speed
qualifier line_edit
qualifier disconnect
qualifier fallback
qualifier dialup
qualifier insert_editing
qualifier printer_port
qualifier secure_server
qualifier sixel
qualifier soft_characters
qualifier overstrike
qualifier log
qualifier psthru
qualifier syspassword
qualifier protocol    value(required,type=protocol_types),nonnegatable
qualifier x29         nonnegatable,syntax=set_term_x29

define syntax set_uic
  cliroutine setuic
  parameter p1,label=option,value(required)
  parameter p2,prompt="UIC",value(required,type=$uic)
  noqualifiers

define syntax set_verify
  cliroutine setverify
  parameter p1,label=option,value(required,type=set_options)
  disallow (not verify and (verify.procedure or verify.image))

define syntax set_volume
  prefix cli$sk_stvl
  parameter p1,label=option,value(required)
  parameter p2,label=volume,prompt="Volume",value(required,type=$infile)
  qualifier accessed,      value
  qualifier data_check,    value(list)
  qualifier erase_on_delete
  qualifier extension,     value
  qualifier file_protection,value(type=protection,list,required)
  qualifier highwater_marking
  qualifier label,         value(required)
  qualifier log
  qualifier mount_verification
  qualifier owner_uic,     value(type=$uic)
  qualifier protection,    value(type=protection,list,required)
  qualifier rebuild,
  qualifier retention,     value(list,required)
  qualifier unload
  qualifier user_name,     value
  qualifier windows,      value

define syntax set_working_set
  prefix cli$sk_stwr
  parameter p1,label=option,value(required)

```

```

qualifier limit,          value(required)
qualifier quota,         value(required)
qualifier extent,        value(required)
qualifier adjust
qualifier log

```

```

define syntax set_day
  prefix cli$sk_std
  parameter p1,label=option,value(required)
  qualifier primary
  qualifier secondary
  qualifier default

```

```

! The following definitions comprise the SET COMMAND command, which is used
! to compile and manipulate command definition (CLD) files and their
! associated CLI tables.

```

```

define type cli_names
  keyword dcl,label=cli_dcl,default
  keyword mcr,label=cli_mcr

```

```

define syntax set_command
  image cdu
  parameter p1,label=option,value(required)
  parameter p2,label=cld_spec,prompt="CLD File(s)",value(list,type=$infile)
  qualifier delete,value(required,list)
  qualifier object,value(type=$outfile)
  qualifier replace,default
  qualifier symbols,value(required,type=$outfile)
  qualifier cli,default,nonnegatable,value(required,type=cli_names)
  qualifier listing,value(type=$outfile)
  qualifier log
  qualifier output,default,value(type=$outfile)
  qualifier tables,default,value(type=$infile)
  disallow (any2(delete,object,replace,symbols))
  disallow (listing and (delete or symbols))

```

```

define syntax no_parameter
  parameter p1,label=option,value(required,type=set_options)
  noqualifiers

```

```

define type set_options
  prefix cli$sk_set
  keyword accounting,    syntax=set_accounting
  keyword acl,           syntax=set_acl
  keyword audit,         syntax=set_audit
  keyword broadcast,     syntax=set_broadcast,
                        value(list,required,type=brdcst_types)
  keyword card_reader,   syntax=set_card_reader
  keyword cluster,       syntax=set_cluster
  keyword device,        syntax=set_device
  keyword default,       syntax=set_default
  keyword directory,     syntax=set_directory
  keyword file,          syntax=set_file
  keyword logins,        syntax=set_logins
  keyword magtape,       syntax=set_magtape

```

```
keyword on,          syntax=set_on,negatable
keyword password,   syntax=set_password
keyword printer,    syntax=set_printer
keyword process,    syntax=set_process
keyword protection, syntax=set_protection,
                    value(list,type=protection)
keyword queue,      syntax=set_queue
keyword terminal,   syntax=set_terminal
keyword uic,        syntax=set_uic,cliflags(mcroptdelim)
keyword verify,     syntax=set_verify,negatable,cliflags(mcrignore)
                    value(list,type=verify_keys)
keyword volume,     syntax=set_volume
keyword working_set, syntax=set_working_set
keyword rms_default, syntax=set_rms_default
keyword control_y,  syntax=set_control,negatable,
                    value(list,type=control_keys)
keyword time,       syntax=no_parameter,value
keyword host,       syntax=set_host
keyword message,    syntax=set_message
keyword command,    syntax=set_command
keyword day,        syntax=set_day
keyword restart_value, syntax=set_restart_value,value
```

```
define verb set
parameter p1,label=option,prompt='What',
                    value(required,type=set_options)
```


BACKUP CLD	DCLTABLES CLD	DISMOUNT CLD	ENCRYPT CLD	LIBRARIAN CLD	MCRINT CLD	REPLY CLD	SET CLD
CLD	CREATE CLD	DEF CLD	DNO CLD	LIBRARIAN CLD	MCRINT CLD	REPLY CLD	SET CLD
DCLTABLES MAP	DEF CLD	DNO CLD	LIBRARIAN CLD	LIBRARIAN CLD	MCRINT CLD	REPLY CLD	SET CLD
ACC CLD	BAD CLD	DCLINT CLD	DELETE CLD	DUMP CLD	EXCHANGE CLD	MORTABLES CLD	PATCH CLD
CHECKSUM CLD	ANALYZE CLD	CLISYMI CLD	DIFF CLD	EDIT CLD	FORTRAN CLD	LINK CLD	MESSAGE CLD
PHONE CLD	CLISYMI CLD	DIFF CLD	EDIT CLD	FORTRAN CLD	LINK CLD	MESSAGE CLD	PHONE CLD
PSECTS R32	MORTABLES MAP	CONVERT CLD	DIRECTORY CLD	HELP CLD	MACRO CLD	MONITOR CLD	RECOVER CLD
MONITOR CLD	MORTABLES MAP	CONVERT CLD	DIRECTORY CLD	HELP CLD	MACRO CLD	MONITOR CLD	RECOVER CLD
UNLUSR MAR	COPY CLD	EDT CLD	INIT CLD	MOUNT CLD	RENAME CLD	SDL CLD	SEARCH CLD
SEARCH CLD	COPY CLD	EDT CLD	INIT CLD	MOUNT CLD	RENAME CLD	SDL CLD	SEARCH CLD