

CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCC	LLL	DDD	DDD
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CCC	LLL	DDD	DDD
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	

\*\*FILE\*\*ID\*\*SET

```

SSSSSSSS EEEEEEEEE TTTT TTTT
SSSSSSSS EEEEEEEEE TTTT TTTT
SS      EE          TT
SS      EE          TT
SS      EE          TT
SS      EE          TT
SSSSSS  EEEEEEEEE TT
SSSSSS  EEEEEEEEE TT
          SS       TT
          SS       TT
          SS       TT
SSSSSSSS EEEEEEEEE TT
SSSSSSSS EEEEEEEEE TT
          .....
```

```

CCCCCCCC LL          DDDDDDD
CCCCCCCC LL          DDDDDDD
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 DDDDDDD
CCCCCCCC LLLLLLLLLL DDDDDDD
```

! Don't forget the MCRSET.CLD file. It contains an equivalent set of definitions for MCR which should also be enhanced.

Version: 'V04-000'

Edit History:

V03-086 JAK0226 J A Krycka 16-Aug-1984  
Change /OWNER to /OWNER\_UIC on SET QUEUE for consistency with other commands.

V03-085 AEW0004 Anne E. Warner 02-Aug-1984  
Take out /WRITE and /CONTROLLER qualifiers from SET DEVICE/SERVED again since the code has been fixed to accept this behavior.

V03-084 CWH3084 CW Hobbs 29-Jul-1984  
Restore /WRITE and /CONTROLLER qualifiers to SET DEV /SERV

V03-083 CWH3083 CW Hobbs 27-Jul-1984  
Comment out disallow references to /WRITE and /CONTROLLER in SET DEVICE /SERVED

V03-082 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

V03-081 JAK0220 J A Krycka 12-Jul-1984  
Add [NO]FEED option to the /DEFAULT qualifier.

V03-080 DAS0003 David Solomon 09-Jul-1984  
Add SET VOLUME/REBUILD.

V03-079 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.

V03-078 JLV0354 Jake VanNoy 12-APR-1984  
Add SET HOST/DTE/DIAL

V03-077 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.
- V03-076 PCG0019 Peter George 30-Mar-1984  
Add SET RMS/NETWORK BLOCK COUNT.  
Add SET DEVICE/SERVED/NOWRITE/CONTROLLER.  
Add /LOG qualifier to SET TERM/X29.  
Require SET TERM/X29/HOLD\_TIMER to have a value.  
Make the PSISCTX29\_ACTION keywords negatable.
- V03-075 LMP0217 L. Mark Pilant, 24-Mar-1984 22:22  
Change all references to SETACL to be SETSHOACL.
- V03-074 BLS0291 Benn Schreiber 24-MAR-1984  
SET PASSWORD is now in SETPO
- V03-073 PCG0018 Peter George 15-Mar-1984  
Remove unnecessary PREFIX statements.  
Specify SET VOL/RETENTION takes delta time values.
- V03-072 HWS0030 Harold Schultz 14-Mar-1984  
Fix HWS0024
- V03-071 PRB0322 Paul Beck 11-MAR-1984 13:17  
Add SET CLUSTER /QUORUM
- V03-070 LMP0210 L. Mark Pilant, 9-Mar-1984 13:46  
Change the /MODIFY qualifier on the various SET xxx/ACL  
commands to be /REPLACE.
- V03-069 HWS0024 Harold Schultz 09-Mar-1984  
Remove NETWORK SPECIFIC keyword and add /PERMANENT  
qualifier to SET TERM/X29 command.
- V03-068 PLL0001 Pamela Levesque 07-Mar-1984  
Remove terminal definitions from SET TERM/DEVICE.  
(to allow termtable defined terminals)
- V03-067 SHZ0003 Stephen H. Zalewski, 06-Mar-1984  
Disallow SET PASSWORD/SYSTEM/SECONDARY.
- V03-066 HWS0018 Harold Schultz 06-Mar-1984  
Integrate in SET HOST/X29, SET TERM/X29 and associated  
qualifiers.
- V03-065 EMD0057 Ellen M. Dusseault 02-Mar-1984  
Add new terminal device name, PRO\_SERIES for SET  
TERMINAL/DEVICE=
- V03-064 EMD0052 Ellen M. Dusseault 28-Feb-1984  
Allow SET TERMINAL qualifier, DEC\_CRT to have a value  
and also a list of elements.
- V03-063 MCN0154 Maria del C. Nasr 27-Feb-1984  
Add DETACHED, SUPROCESS as keywords to /ENABLE in  
SET ACCOUNTING.

V03-062	RSH0106	R. Scott Hanna	24-Feb-1984
	Fix field test 1 problems with SET AUDIT.		
V03-061	PCG0017	Peter George	14-Feb-1984
	Change behavior of queue parameter, /BLOCK LIMIT qualifier, and /PAGE qualifier to SET QUEUE.		
V03-060	SHZ0002	Stephen H. Zalewski	13-Feb-1984
	Add SET PASSWORD/SECONDARY.		
V03-059	DAS0002	David Solomon	6-Feb-1984
	Remove /JOURNAL keyword from SET FILE and SET AUDIT.		
V03-058	LMP0185	L. Mark Pilant,	3-Feb-1984 19:54
	Add a support for a SET DEVICE/ACL command.		
V03-057	LMP0185	L. Mark Pilant,	1-Feb-1984 12:18
	Add support for device ACLs.		
V03-053	MCN0146	Maria del C. Nasr	1-Feb-1984
	Add MESSAGE keyword to /ENABLE for SET ACCOUNTING		
V03-052	MMD0230	Meg Dumont	1-Feb-1984
	Add /PROTOCOL and values to SET TERMINAL		
V03-051	EMD0042	Ellen M. Dusseault	31-Feb-1984
	add /FALLBACK to SET PRINTER		
V03-050	SHZ0001	Stephen H. Zalewski	03-Jan-1984
	add /GENERATE to SET PASSWORD.		
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		
V03-047	GAS0175	Gerry Smith	30-Aug-1983
	Add SET BROADCAST.		
V03-046	PCG0016	Peter George	25-Aug-1983
	Add SET HOST/SNA /CHARACTER_SET qualifier.		
V03-045	MIR0083	Michael I. Rosenblum	23-Aug-1983
	Add SYSPASSWORD to set terminal.		
V03-044	BLS0232	Benn Schreiber	5-Aug-1983
	Add SET TERM/PASTHRU, which was omitted		
V03-043	MLJ0043	Martin L. Jack	29-Jul-1983
	Enhance SET QUEUE.		
V03-042	GAS0153	Gerry Smith	27-Jul-1983
	Add SET AUDIT.		
V03-041	PCG0015	Peter George	27-Jul-1983

Add SET HOST/BTS

V03-040	PCG0015	Peter George	21-Jun-1983
	Change \$PARENTHESIZED_VALUE to \$ACL.		
V03-039	PCG0014	Peter George	21-Jun-1983
	Put \$DELTATIME back in SET OUTPUT_RATE.		
V03-038	GAS0139	Gerry Smith	17-Jun-1983
	Add SET PASSWORD/SYSTEM.		
V03-037	JLV0271	Jake VanNoy	14-JUN-1983
	Add SET HOST/LOG=output_file		
V03-036	PCG0013	Peter George	31-May-1983
	Make SET OUTPUT_RATE work in build.		
V03-035	MLJ0035	Martin L. Jack	27-May-1983
	Change set host/old default.		
V03-034	JLV0256	Jake VanNoy	26-May-1983
	Change set host/old default.		
V03-033	RSH0027	R. Scott Hanna	24-May-1983
	Add SECURITY privilege		
V03-032	LMP0117	L. Mark Pilant,	19-May-1983 10:48
	Add the new command SET FILE/ACL.		
V03-031	GAS0132	Gerry Smith	19-May-1983
	Add HIGHWATER, ERASE_ON_DELETE, UNLOAD, and MOUNT VERIFICATION to SET VOLUME. Also remove the defaults for SET MESSAGE, since it makes more sense to change the documentation than the way SET MESS works.		
V03-030	PCG0012	Peter George	03-May-1983
	Add SET OUTPUT_RATE, SET VERIFY=(PROCEDURE,IMAGE)		
V03-029	PCG0011	Peter George	30-Apr-1983
	Change SET PROMPT/CONTROL to /CARRIAGE_CONTROL.		
V03-028	MIR0042	Michael I. Rosenblum	29-Apr-1983
	Move important information to the top of the module		
V03-027	MLJ0027	Martin L. Jack	27-Apr-1983
	Changes for new QUEMAN image.		
V03-026	GAS0127	Gerry Smith	27-Apr-1983
	Make SET MESSAGE default to /FAC/ID/SEV/TEXT.		
V03-025	KPL0001	Peter Lieberwirth	27-Apr-1983
	Add qualifiers AI_JOURNAL, AT_JOURNAL, and BI_JOURNAL to SET FILE to permit specification of journal names. Remove EXPIRED qualifier from SET FILE for Gerry.		
V03-024	PRB0175	Paul Beck	27-APR-1983 10:36:50

- Add privileges TMPJNL and PRMJNL.
- V03-023 MIR0035 Michael I. Rosenblum 18-Apr-1983  
Add qualifiers DISMISS PARITY, APPLICATIONS, NUMERIC  
FRAME, add Vt200 support and associated qualifiers.
- V03-022 PCG0010 Peter George 13-Apr-1983  
Add SET RESTART\_VALUE.
- V03-021 GAS0116 Gerry Smith 12-Apr-1983  
Add common qualifiers to SET FILE, SET DIRECTORY
- V03-020 WMC0020 Wayne Cardoza 11-Apr-1983  
Add SET PROC/DUMP
- 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 sysprv, 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 t
keyword y

define type verify_keys
keyword procedure,negatable
keyword image,negatable

define type privileges
keyword acnt,negatable
keyword allspool,negatable
keyword altpri,negatable
keyword bugchk,negatable
keyword bypass,negatable
keyword cmexec,negatable
keyword cmkrnl,negatable
keyword detach,negatable
keyword diagnose,negatable
keyword downgrade,negatable
keyword exquota,negatable
keyword group,negatable
keyword grpnam,negatable
keyword grpdrv,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 prmdbl,negatable
keyword prmjnl,negatable
keyword prmmbx,negatable
keyword pswapm,negatable
keyword readall,negatable
keyword same,negatable
keyword security,negatable
keyword setdrv,negatable
keyword share,negatable
keyword shmem,negatable
keyword syslck,negatable
keyword sysdbl,negatable
keyword sysnam,negatable
keyword sysdrv,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,
                value(type=$number,default=1)
keyword 9, label=x29_crfill_n,
            value(required,type=$number)
keyword delete, label=x29_delete,negatable,
                value(type=$number,default=1)
keyword 16, label=x29_delete_n,
             value(required,type=$number)
keyword discard_output, label=x29_discard_output,negatable,
                        value(type=$number,default=1)
keyword 8, label=x29_discard_output_n,
            value(required,type=$number)
keyword echo, label=x29_echo,negatable,
              value(type=$number,default=1)
keyword 2, label=x29_echo_n,
            value(required,type=$number)
keyword edit, label=x29_edit,negatable,
              value(type=$number,default=1)
keyword 15, label=x29_edit_n,
             value(required,type=$number)
keyword escape_character, label=x29_escape,negatable,
                           value(type=$number,default=1)
keyword 1, label=x29_escape_n,
            value(required,type=$number)
keyword forwarding_characters, label=x29_forwarding,negatable,
                                value(type=$number,default=1)
keyword 3, label=x29_forwarding_n,
            value(required,type=$number)
keyword hostsync, label=x29_hostsync,negatable,
                  value(type=$number,default=1)
keyword 5, label=x29_hostsync_n,
            value(required,type=$number)
keyword lfill, label=x29_lfill,negatable,
               value(type=$number,default=1)
keyword 14, label=x29_lfill_n,
             value(required,type=$number)
keyword line_delete, label=x29_line_delete,negatable,
                     value(type=$number,default=1)

```

```

keyword 17,          label=x29_line_delete_n,
                    value(required,type=$number)
keyword messages,   label=x29_messages,negatable,
                    value(type=$number,default=1)
keyword 6,          label=x29_messages_n,
                    value(required,type=$number)
keyword new_line,   label=x29_new_line,negatable,
                    value(type=$number,default=1)
keyword 13,         label=x29_new_line_n,
                    value(required,type=$number)
keyword redisplay_line, label=x29_redisplay_line,negatable,
                    value(type=$number,default=1)
keyword 18,         label=x29_redisplay_line_n,
                    value(required,type=$number)
keyword speed,      label=x29_speed,negatable,
                    value(type=$number,default=1)
keyword 11,         label=x29_speed_n,
                    value(required,type=$number)
keyword timeout,    label=x29_timeout,negatable,
                    value(type=$number,default=1)
keyword 4,          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 acledt
parameter p1,label=option,value(required)
parameter p2,prompt="Object Name",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
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 syntax set_acl
image set$hoacl
parameter p1,label=option,value(required)
parameter p2,prompt="Object",value(required),label=input
qualifier acl,       value(list,type=$acl)
qualifier after,     value(required,type=$acl)
qualifier backup
qualifier before,    value(default=today)

```

```

qualifier by_owner,      value(type=$uic)
qualifier confirm
qualifier created
qualifier default
qualifier delete
qualifier edit,          syntax=acledit,nonnegatable
qualifier exclude,      value(required,list)
qualifier expired
qualifier like,          value(required,type=set_acl_like)
qualifier log
qualifier modified
qualifier new
qualifier object_type,   value(type=acl_objects)
qualifier replace,       value(required,list,type=$acl)
qualifier since,         value(default=today)

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_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
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
qualifier quorum,        value,nonnegatable

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

define syntax set_device
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,nonnegatable,
                        value(list,type=$acl)
qualifier after,       value(required,type=$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 set$hoacl
parameter p1,label=option,value(required)
parameter p2,prompt="Device",value(list,required,type=$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
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

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

```

```

define syntax set_dir_acl
  image setshoac1
  parameter p1,label=option,value(required)
  parameter p2,prompt="Directory",value(list,required,type=$infile),label=input

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

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

define syntax set_file_acl
  image setshoac1
  parameter p1,label=option,value(required)
  parameter p2,prompt="File",value(list,required,type=$infile),label=input

define syntax set_output_rate
  cliroutine setflush
  parameter p1,label=option,value(required,type=set_options)

define syntax set_host_bts
  image bts1nk
  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
  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 closed_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 thrupt_class, label=psipad_thruput_class,

```

```

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

define syntax set_host_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
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 dte, label=dte
qualifier dial, value(list,type=dial_keywords)
qualifier hsc, nonnegatable,syntax=set_host_hsc
qualifier x29, nonnegatable,syntax=set_host_x29

define syntax set_key
prefix cl$sk_stky_
cliroutine setkey
qualifier state,value(required)
qualifier log

define syntax set_logins
parameter p1,label=option,value(required)
qualifier interactive, value

define syntax set_magtape
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
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

```

```

disallow secondary and system

```

```

define syntax set_printer
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 la11 nonnegatable
qualifier la180 nonnegatable
qualifier lp11 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
  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)
  qualifier log
  qualifier dump

define syntax set_prompt
  cliroutine setprompt
  parameter p1,label=option,value
  qualifier carriage_control

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

define syntax set_protection
  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$man
  parameter p1,label=option,value(required,type=set_options)
  parameter p2,prompt="Queue",value(required)
  qualifier after,value(required,type=$datetime)
  qualifier base_priority,value(required)
  qualifier block_limit,value(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(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
  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_terminal
  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 passthru
qualifier syspassword
qualifier protocol value(required,type=protocol_types),nonnegatable
qualifier x29, nonnegatable,syntax=set_term_x29

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)
label=psisetx29_hold_timer
qualifier interrupt, value(type=psisetx29_int_brk,list,
required),
label=psisetx29_interrupt
qualifier break, value(type=psisetx29_int_brk,list,
required),
label=psisetx29_break
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_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

```

```

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
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
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
  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
  keyword verify,         syntax=set_verify,negatable,
                          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 prompt,         syntax=set_prompt,value
  keyword key,            syntax=set_key
  keyword restart_value,  syntax=set_restart_value,value
  keyword output_rate,    syntax=set_output_rate,value(type=$deltatime)

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

```







This image displays a grid of 150 terminal window screenshots, arranged in 10 rows and 15 columns. Each window shows the output of a specific system command. The commands and their corresponding outputs are as follows:

- Row 1: SHOW CLD, SPAWN CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 2: [Screenshot], [Screenshot], UFD CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 3: [Screenshot], [Screenshot], START CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 4: [Screenshot], [Screenshot], UNLOCK CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 5: [Screenshot], [Screenshot], DCLTABLE1 LIS, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 6: [Screenshot], [Screenshot], SUBMIT CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 7: [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 8: [Screenshot], [Screenshot], SORT CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 9: [Screenshot], [Screenshot], SYNCH CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]
- Row 10: [Screenshot], [Screenshot], TYPE CLD, [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot], [Screenshot]

Other visible commands include DCLTABLE2 LIS and MORTABLES LIS. The screenshots show various system messages, including process IDs, command execution status, and system error or warning messages.