



SINTRAN III QUICK REFERENCE CARD

ND-60.174.001 10/83

This quick reference card documents the I-version of SINTRAN III commands and subsystems. For detailed information consult:

SINTRAN III Reference Manual (ND-60.128)

Other SINTRAN III manuals:

SINTRAN III Timesharing/Batch Guide (ND-60.132)

SINTRAN III Real Time Guide (ND-60.133)

SINTRAN III System Supervisor (ND-30.003)

SINTRAN III Utilities Manual (ND-60.151)

Commands in @SINTRAN-SERVICE-PROGRAM (only user SYSTEM)

*ascii-dump	*insert-in-logical-unit-table
*cc	*insert-in-time-slice
*change-buffer-size	*insert-in-timer-table
*change-datafield	*insert-spooling-header
*change-variable	*list-addresses
*clear-enter-count	*list-service-commands
*define-basic-time-unit	*octal-dump
*define-batch-supervisor	*read-binary
*define-prompt-string	*remove-from-background-table
*define-rtcommon-size	*remove-from-extended-ident-table
*define-segment-file	*remove-from-ident-table
*define-time-slice	*remove-from-logical-unit-table
*define-title	*remove-from-time-slice
*define-user-monitor-call	*remove-from-timer-table
*define-user-restart-program	*remove-spooling-header
*define-user-restart-subroutine	*segment-write-permit
*define-user-start-subroutine	*segment-write-protect
*delete-segment-file	*set-channel-priority
*dump-rt-description	*set-closed-scratch-file-size
*dump-segment-table-entry	*set-command-protection
*exit	*set-max-enter-count
*help	*set-spooling-device-number
*initialize-system-segment	*start-XMSG
*insert-in-background-table	*stop-XMSG
*insert-in-extended-ident-table	*swap-directory-entries
*insert-in-ident-table	
*insert-in-iox-table	

SINTRAN III Monitor Calls (in alphabetical order)

b - Callable from background
 f - Callable from FORTRAN
 r - Callable from RT programs/foreground
 Rem = Remarks

<i>Name</i>	<i>No.</i>	<i>Rem.</i>	<i>Name</i>	<i>No.</i>	<i>Rem.</i>	<i>Name</i>	<i>No.</i>	<i>Rem.</i>
ABORT	105	rf	DSCNT	107	rf	IBRSIZ	313	br
ABSET	102	rf	DSET	126	rf	INBT	1	brf
ABSTR	131	rf	DUSEL	301	b	INSTR	161	brf
ACM	145	brf	DWOBJ	216	br	INTV	103	rf
AIRDW	37	rf	ECHOM	3	brf	IOSET	141	brf
ALTOF	34	brf	EDTRM	206	br	IOUT	35	bf
ALTON	33	brf	EESCF	72	brf	IOXN	153	rf
APSPF	240	br	ELOFF	303	b	IPRIV	146	r
ASSIG	154	rf	ELOFU	276	b	ISIZE	66	brf
B41NW	63	br	ELON	302	b	LASTC	26	rf
B8INB	23	br	ENTSG	157	rf	LEAVE	0	brf
B8OUT	24	br	ERMON	142	rf	M8INB	21	br
BCLOS	252	br	ERMSG	64	brf	M8OUT	22	br
BRKM	4	brf	EUSEL	300	b	MAGTP	144	brf
CAMAC	147	rf	EXIOX	31	brf	MAPSIB	304	br
CIBUF	13	brf	EXPFI	231	br	MCALL	132	r
CLADJ	112	rf	DFDI	250	br	MDLFI	54	brf
CLOCK	113	brf	FDINA	243	br	MEXIT	133	rf
CLOSE	43	br	FIX	115	rf	MGDAE	230	br
COBUF	14	brf	FIXC	160	rf	MGFII	273	br
COMND	70	bf	FIXC5	61	r	MGTTY	16	brf
CONCT	106	rf	FOBJN	274	br	MHDLC	201	br
COPAG	251	br	FOPFN	257	br	MOINF	312	br
CPUST	262		GBRK	46	b	MRNFI	232	br
CRALF	221	br	GBSIZ	222	b	MSDAE	277	br
CRALN	253	br	GDEVT	263		MSG	32	bf
DABST	127	rf	GDIEN	244	br	MSIBB	305	br
DBRK	45	b	GERDV	254		MSTTY	17	brf
DEABF	256	br	GETRT	30	brf	MUIDI	213	br
DELPG	272	br	GL	150	rf	N500M	60	r
DESCF	71	brf	GNAEN	245	br	NOWT	36	brf
DINTV	130	rf	GRAPHIC	155	brf	OPEN	42	br
DIW	165	rf	GRTDA	151	rf	OPEN	50	br
DLOFU	277	b	GRINA	152	r	OSIZE	67	brf
DMAC	51	b	GTMOD	306	br	OUTBT	2	brf
DOLW	166	rf	GUIOI	217	br	OUTST	162	brf
DOPEN	220	br	GUSNA	214	br	PAGET	57	bf
DROBJ	215	br	HOLD	104	brf	PASET	56	bf

Name	No.	Rem.Name	No.	Rem.Name.	No.	Rem.
PIOCM	255	RUSCN	242	b UNFIX	116	rf
PRIOR	110	RUSER	44	brf UPDAT	111	rf
PRLS	125	SBRK	47	b US0	170	r
PRSRV	124	SCROP	235	br US1	171	r
QERMS	65	SET	101	rf US2	172	r
RDISK	5	SETBL	77	brf US3	173	r
RDPAG	270	SETBS	76	brf US4	174	r
REABT	75	SETBT	74	brf US5	175	r
REDIR	246	SETCM	12	b US6	176	r
REENT	167	SETW	25	b US7	177	r
RELES	123	SFACC	237	br USCNT	260	
RERRP	207	SMAX	73	brf WAITF	121	rf
RESRV	122	SPCLO	40	brf WCI	20	b
RFILE	117	SPEFI	234	br WDIEN	311	r
RLDIR	247	SPERD	236	br WDISK	6	b
RMAX	62	SREEN	212	br WDPAG	271	br
ROBJE	41	SRUSI	314	br WFILE	120	brf
RPAGE	7	STEFI	275	r WHDEV	140	rf
RSEGM	53	SUSCN	241	b WPAGE	10	br
RSIO	143	SYCNT	261	brf WRQI	163	brf
RSPQE	55	T8INB	310	br WSEG	164	rf
RT	100	TERMO	52	brf XMSG	200	br
RTDSC	27	TIME	11	brf 500MT	266	
RTEXT	134	TMOUT	267	500RF	264	
RTOFF	137	TNDWAI	307	br 500WF	265	
RTON	136	TRACB	156	br		
RTWT	135	TUSED	114	brf		

SINTRAN III Real-Time Commands (only user RT or user SYSTEM)

@abort	@intv	@rtenter
@abort-batch	@list-rt-account	@rtoff
@abset	@list-rt-open-file	@rton
@batch	@list-rt-programs	@rtrelease
@cladj	@open	@rtreserve
@conct	@prior	@set
@dmac	@prls	@start-communication (ND-net)
@dscnt	@prsrv	@start-rt-account
@enters	@remote-load	@stop-communication (ND-net)
@entsg	@reserve-directory	@stop-rt-account
@execute-iox	@restart-user	@stop-terminal
@file	@rt	@unfix
@file-entry	@rt-connect-files	@updat
@fix	@rt-loader	
@fixc	@rt-open-file	
@get-rt-name	@rt-program-log	

The Backup System

List of commands and their parameters:

COPY-USERS-FILES

Destination-Type
Directory

< Dest. Dir.-Name >
< Dest. User.-Name >

or Volume

< Dest. Vol.-Name >
< Dest. Dev.-Name >
< Dest. Unit-No. >
< Dest. File-Gen. >

Source-Type
Directory

< Source Dir.-Name >
< Source File-Name >
< Source File-Name >
< Manual Check >

or Volume

< Source Volume-Name >
< Source Device-Name >
< Source Device-Unit >
< Source File-Gener >
< Source File-Name >
< Manual Check >

CREATE-VOLUME

< Volume-Name >
< Device-Name >
< Device-Unit >

EXIT

LIST-VOLUME

< Device-Name >
< Device-Unit >
< File-Name >
< Output-File >

DESCRIBE-ALL-COMMANDS

< Command-Name >



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System Supervisor Commands

(only user SYSTEM)

- @ change-background-segment-size
- @ change-bit-file
- @ change-directory-entry
- @ change-object-entry
- @ change-page
- @ change-user-entry
- @ clear-default-directory
- @ clear-device
- @ clear-main-directory
- @ clear-password
- @ clear-reentrant-segment
- @ cold-start
- @ copy-device
- @ copy-directory
- @ create-directory
- @ create-user
- @ define-default-subsystem
- @ define-escape-character
- @ define-local-character
- @ define-reentrant-program
- @ define-spooling-conditions
- @ define-system-histogram
- @ define-termination-handling
- @ delete-reentrant
- @ delete-remote-queue-entry
- @ delete-user
- @ dump-bit-file
- @ dump-directory-entry
- @ dump-object-entry
- @ dump-page
- @ dump-program-reentrant
- @ dump-reentrant
- @ dump-user-entry
- @ enable-termination-handling
- @ get-error-device
- @ give-spooling-pages
- @ give-user
- @ init-accounting
- @ initial-command
- @ initialize-background-programs
- @ initialize-error-log
- @ list-initial-commands
- @ next-initial-command
- @ next-termination-command
- @ opcom
- @ print-error-log
- @ regenerate-directory
- @ remote-password
- @ rename-directory
- @ rename-user
- @ restart-system
- @ save-directory
- @ set-available
- @ set-default-directory
- @ set-error-device
- @ set-main-directory
- @ take-user-space
- @ test-directory
- @ set-peripheral-file
- @ set-spooling-form
- @ set-terminal-file
- @ set-unavailable
- @ sintran-service-program
- @ start-accounting
- @ start-program-log
- @ start-spooling
- @ start-tadadm (COSMOS)
- @ stop-accounting
- @ stop-program-log
- @ stop-spooling-space
- @ stop-system
- @ stop-tadadm (COSMOS)
- @ tadadm (COSMOS)
- @ take-spooling-pages

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File System and Basic Commands (all user categories)

File Maintenance

@ allocate-file	@ file-statistics
@ allocate-new-version	@ list-files
@ copy	@ list-opened-files
@ copy-file	@ rename-file
@ create-file	@ set-default-file-access
@ create-new-version	@ set-file-access
@ delete-file	@ set-temporary-file
@ delete-users-files	@ where-is-file
@ expand-file	

Batch Handling

@ abort-job	@ list-batch-process
@ append-batch	@ list-batch-queue
@ delete-batch-queue-entry	@ schedule

Spooling/Printer Handling

@ abort-print	@ move-spooling-queue-entry
@ append-spooling-file	@ remove-from-spooling-queue
@ backspace-print	@ restart-print
@ delete-spooling-file	@ set-number-of-print-copies
@ forward-space-print	@ spooling-pages-left
@ list-spooling-form	@ start-print
@ list-spooling-queue	@ stop-print

Interactive Programs

@ continue	@ recover
@ define-histogram	@ set-memory-contents
@ dump	@ set-user-parameters
@ goto-user	@ start-histogram
@ load-binary	@ status
@ look-at	@ stop-histogram
@ place-binary	@ time-used
@ print-histogram	

Peripheral Handling

@ device-function	@ reserve-file
@ list-device-function	@ rfile
@ release-file	@ wfile

Communication with other Systems

@ communication-line-status (ND-net)	@ operator
@ communication-status (ND-net)	@ remote
@ list-remote-queue (ND-net)	@ reserve-open-file-entry
@ local (ND-net)	@ reset-default-remote-system
@ mail	@ set-default-remote-system
	@ set-local-mode
	@ set-remote-mode

General Purpose

@ cc	@ help
@ change-password	@ hold
@ datcl	@ list-default-subsystem
@ default-subsystem-disable	@ logout
@ disable-escape-function	@ mode
@ disable-termination-handling	@ set-terminal-type
@ enable-escape-function	@ terminal-mode
@ enter	@ wait-for-operator
@ get-terminal-type	

System Information and Maintenance

@ create-friend	@ list-title
@ delete-friend	@ list-users
@ directory-statistics	@ memory-limits
@ enter-directory	@ release-device-unit
@ list-device	@ release-directory
@ list-directories-entered	@ reserve-device-unit
@ list-execution-queue	@ set-default-directory
@ list-friends	@ set-friend-access
@ list-reentrant	@ terminal-status
@ list-rt-description	@ test-directory
@ list-segment	@ user-statistics
@ list-termination-handling	@ who-is-on
@ list-time-queue	

File Access

@close-file	@set-block-pointer
@connect-file	@set-block-size
@open-file	@set-byte-pointer
@rfile	@set-permanent-opened
@scratch-open	@wfile

Possible Parameters of Command @DEVICE-FUNCTION

advance-records	read-record
advance-to-eof	read-status
backspace-records	read-tape-status
clear-device	reverse-to-eof
clear-selected-unit	rewind
dump-bootstrap	select-density
erase-tape	select-parity-and-density
format-floppy	set-alphanumeric-mode
get-current-disc-address	set-floppy-format
give-form-feed	set-graphic-mode
lock-cassette	unload
read-byte-record	unlock-and-stop
read-deleted-record	write-byte-record
read-format	write-eof
read-last-status	write-erase-gap
read-odd-number-of-bytes	write-record

COSMOS

Remote terminal access is acquired through the subsystem:

@CONNECT-TO.

The COSMOS file name syntax is:

SYSTEM (REMOTE-USER).(DIRECTORY: USER)FILE-NAME:TYPE