



Series 4

Command Line

Definitions

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Last updated on: May 21, 2021

Go to the help command in this document for explanation of parameters and options.

ARC archive [filespec ...]

Options: (-LV Default)

- E Extract contents
- A Add files
- U Update files
- F Freshen archive
- M Move files
- D Delete files
- L List contents
- S Recurse folders
- P spec Path override
- V Verbose format
- O Overwrite when extracting
- T Test archive

List/Add/Extract files from a ZIP/JAR archive.

Aliases: ARC, ZIP, JAR

ARP [ipaddr]

Options:

- A Attempts to resolve the IP address
- D Removes the entry for the specified IP address
- S List IP addresses in use

Otherwise the ARP table is displayed.

BYE

Terminates the current command session.

Aliases: QUIT, BYE, EXIT

CAT filespec

Options:

- H Dump file in hex
- J Formats JSON
- P Displays last page

Displays the contents of a file.

Aliases: CAT, TYPE

CD pathspec

Changes the current working directory.

Aliases: CD, CHDIR

CERTMGR

- V Verify installed keys and certificate
- C [file] Regenerate Certificate [Install file]
- A file Add intermediate certificate
- S file Verify signature on certificate
- K file Install RSA Key Pair
- D [file] Decode and dump certificate [file]
- E file Export certificate to file
- P file Export public key to file
- B Export in binary
- G [len] Generate key pair [bit length]
- X file Create Certificate Signing Request
- R Restore default credentials

SSL Certificate Management.

 CHDIR pathspec

Changes the current working directory.
 Aliases: CD, CHDIR

 CHGRP group filespec

Options:

- S Apply recursively to sub-folders
- D Change folder instead of file
- V Verbose
- filespec May contain wildcards

Changes the assignments for a file/folder.

 CHMOD mode filespec

Options:

- S Apply recursively to sub-folders
- D Change folder instead of file permissions
- V Verbose
- mode Syntax: [ugoa][-+=[rwx]][,[ugoa][-+=[rwx]]
 or numeric octal 777, 644, etc.
- filespec May contain wildcards

Modifies permissions.

 CHOWN username[:group] filespec

Options:

- S Apply recursively to sub-folders
- D Change folder instead of file
- V Verbose
- filespec May contain wildcards

Changes the assignments for a file/folder.

COPY source destination

Options:
-O Overwrite all
-S,-R Include subfolders
source May contain wildcards

Copies files to the destination.
Aliases: CP, COPY

CP source destination

Options:
-O Overwrite all
-S,-R Include subfolders
source May contain wildcards

Copies files to the destination.
Aliases: CP, COPY

DATE [newdate] [timezone]

Options:
-T Display available timezones
-G Display current time in UTC
-N Synchronize with network Time Server
-N server Synchronize with specified server
-S Disable the use of DST
-D Enable the use of DST
-H Report hardware RTC status
-V Verbose output
newdate Date in the format MMDDYYYYHHMMSS[am | pm]
timezone Timezone abbreviation.

Otherwise the current time and date are displayed.

DEL filespec

filespec May contain wildcards

Removes/Deletes the specified file(s).
Prompts to confirm deletions when wildcards are used.
Aliases: RM, DEL

DIR [filespec]

Options:
-A List all including hidden files
-F List only files
-D List only folders

-L,-V Verbose format
-W Wide format
-S,-R Include subfolders
-X Expanded includes path permissions
filespec May contain wildcards

Lists a file, group of files or the contents of an entire folder.
Aliases: LS, DIR

ECHO message

Echo the message.

ED filename

Keyboard:
Ctrl-Q Exit
Ctrl-Z/Y Undo/Redo
Ctrl-A Start/Stop Highlighting
Ctrl-C/X/V Copy/Cut/Paste
Ins Toggle Insert/Overstrike
PgUp/PgDn Page Up/Down
Home/End Move to Start/End of Line/Screen/File

Simple Text Editor (VT-100 based)
Save/Save-As/Cancel options available upon Exit
Aliases: ED, EDIT

EDIT filename

Keyboard:
Ctrl-Q Exit
Ctrl-Z/Y Undo/Redo
Ctrl-A Start/Stop Highlighting
Ctrl-C/X/V Copy/Cut/Paste
Ins Toggle Insert/Overstrike
PgUp/PgDn Page Up/Down
Home/End Move to Start/End of Line/Screen/File

Simple Text Editor (VT-100 based)
Save/Save-As/Cancel options available upon Exit
Aliases: ED, EDIT

EGREP regex filespec

Options:
regex Regular Expression to match
filespec File specification
-E Use Regular Expressions (EGREP default)
-C Count lines
-H Print filespec
-N Print line numbers

-I Case-independent comparisons
-M Underline match

Performs text file search.

Aliases: FIND, GREP, EGREP

EXIT

Terminates the current command session.

Aliases: QUIT, BYE, EXIT

EXTERN

Option:

-R Remove missing devices

Displays a list of sensor port modules.

FIND regex filespec

Options:

regex Regular Expression to match
filespec File specification
-E Use Regular Expressions (EGREP default)
-C Count lines
-H Print filespec
-N Print line numbers
-I Case-independent comparisons
-M Underline match

Performs text file search.

Aliases: FIND, GREP, EGREP

GC

Options:

-R Reset statistics
-D Disable/enable GC

Report status of the JVM garbage collector.

GREP regex filespec

Options:

regex Regular Expression to match
filespec File specification
-E Use Regular Expressions (EGREP default)
-C Count lines
-H Print filespec
-N Print line numbers
-I Case-independent comparisons

-M Underline match

Performs text file search.

Aliases: FIND, GREP, EGREP

GROUPADD group [user [user]]

Adds one or more a user to the system.

GROUPDEL group [user]

Removes one or more users from a group. If no user specified then the group is removed. Multiple users can be specified separated by spaces.

GROUPS

Lists user groups.

HELP [cmdspec]

cmdspec May include wildcards

Lists available detail for matching commands

The following special characters define the command-line syntax:

[] Identifies an optional argument. Arguments that are not enclosed in brackets are required.

... Indicates possible multiple values for the previous argument.

| Indicates mutually exclusive information. You can use the argument to the left of the separator or the argument to the right of the separator. You cannot use both arguments in a single use of the command.

{ } Delimits a set of mutually exclusive arguments when one of the arguments is required. If the arguments are optional, they are enclosed in brackets ([]).

Enclose argument values that have embedded spaces with double quotation marks.

Aliases: HELP, MAN

HIST [index|regex]

Options:

index Integer selects command for editing

regex Used for case-insensitive search

Accesses the command line history.

Aliases: HIST, HISTORY

HISTORY [index|regex]

Options:

index Integer selects command for editing
regex Used for case-insensitive search

Accesses the command line history.

Aliases: HIST, HISTORY

HOSTNAME newname

Sets the hostname to newname.

IOLOG

Options:

-T Indicate transitions
-R Reset logs
-A AUX Serial log
-S Sensor Port log
-O Output to stdout

Generates jniorio.log file from available logs.

IPCONFIG

Options:

-A ipaddr Set IPv4 address
-M mask Set subnet mask
-N name Set domain name
-G ipaddr Set gateway address
-P ipaddr Set primary DNS address
-S ipaddr Set secondary DNS address
-T millis Set DNS timeout (set to 0 for backoff/retry)
-D Use DHCP to lease an IP address
-R Release currently held DHCP IP address
-H ipaddr Set mailhost IP address
-F email Set email address
-U user Set username (secure password will be requested)
-L ipaddr Set Syslog Server IP address
-X Remove email user credentials

Configure or display network settings.

JAR archive [filespec ...]

Options: (-LV Default)

-E Extract contents
-A Add files
-U Update files
-F Freshen archive

-M Move files
-D Delete files
-L List contents
-S Recurse folders
-P spec Path override
-V Verbose format
-O Overwrite when extracting
-T Test archive

List/Add/Extract files from a ZIP/JAR archive.

Aliases: ARC, ZIP, JAR

JAVA filespec [&]

Options:

& Executes in background ('&' must be last on the line)
filespec Either a .class file or .jar library containing classes to execute

Executes the given Java program.

JRFLASH

Options:

-C Display cache status
-F Format (all data will be lost)
-R Perform reclamation pass

Displays Flash File System status.

JRMON

options:

-C Enable control commands
-D Enable control including diagnostics functions
-M Monitors processor load
-X cmd Execute commands and return

I/O monitoring utility

JRUPDATE [options] file/URL

Options:

-U Update
-G Download
-I Run Installer
-F Skip confirmation
-P Reboot after
-R Rollback
-C Cancel update

Perform installation and updates.

KILL pid | name

Terminates the specified process.

LOGGER message

Options:

- F file Log to specified file
- T tag Mark lines with tag ("logger" is default)
- I Include PID with entry
- R Log to remote syslog server
- P level Log syslog with severity level (default 6)
 emergency=0, alert=1, critical=2, error=3
 warning=4, notice=5, info=6, debug=7

Logs the quoted message in the system log and as optionally directed.

LS [filespec]

Options:

- A List all including hidden files
- F List only files
- D List only folders
- L,-V Verbose format
- W Wide format
- S,-R Include subfolders
- X Expanded includes path permissions
- filespec May contain wildcards

Lists a file, group of files or the contents of an entire folder.

Aliases: LS, DIR

MAN [cmds spec]

cmds spec May include wildcards

Lists available detail for matching commands

The following special characters define the command-line syntax:

- [] Identifies an optional argument. Arguments that are not enclosed in brackets are required.
- ... Indicates possible multiple values for the previous argument.
- | Indicates mutually exclusive information. You can use the argument to the left of the separator or the argument to the right of the separator. You cannot use both arguments in a single use of the command.
- { } Delimits a set of mutually exclusive arguments when one of the arguments is required. If the arguments are optional, they are enclosed in brackets ([]).

Enclose argument values that have embedded spaces with double quotation marks.

Aliases: HELP, MAN

MANIFEST [filespec]

Options:

-S,-R Include subfolders
-U Update reference point
-C Report CRC32
-H Report SHA-1
-L List differences only
filespec May contain wildcards

Produces a manifest of file system content including checksums.

MD path

Create a folder/directory.

Aliases: MD, MKDIR

MKDIR path

Create a folder/directory.

Aliases: MD, MKDIR

MODE

Options:

-S Silence COM dialog
-V Restore COM dialog

Modifies OS defaults.

MOVE source destination

Options:

-O Overwrite all
-S,-R Include subfolders
source May contain wildcards

Moves files from the source to the destination.

Aliases: MV, MOVE

MV source destination

Options:

-O Overwrite all
-S,-R Include subfolders
source May contain wildcards

Moves files from the source to the destination.
Aliases: MV, MOVE

NBTSTAT

Displays NetBIOS information.

NETSTAT

Options:

- A Displays statistics
- C [filter] Generate packet capture file
- F filter Sets capture filtering
- R Reset capture buffer
- M Monitors network adapter
- U Displays active UDP ports
- T Display TLS statistics

Displays network connections and status.

NSLOOKUP [domain]

Options:

- domain Displays any entry for the domain
- A domain Attempts to resolve the domain
- D domain Removes the entry for the domain

Displays current DNS cache table.

NV

List non-volatile (immutable) memory block usage.

PASSWD [user]

Sets the password for the user. Defaults to the current user.

PING host

Options:

- host URL or IP address of destination
- C count Number of packets to send (default 4)
- I millis Interval
- F Flood mode
- V Validate addressing
- T ttl Time to live
- W millis Timeout (default 5000)

Sends ICMP ECHO_REQUEST packets to network hosts.

PS

Option:
-V Verbose

Lists executing processes.

QUIT

Terminates the current command session.
Aliases: QUIT, BYE, EXIT

RD path

Option:
-S Removes all content

Deletes/Removes the folder.
Aliases: RD, RMDIR

REBOOT

Options:
-F Don't prompt for confirmation
-A Clear heap and system memory on reboot

Shuts down all processes and cleanly reboots the system.

REG key [= value]

Options:
-D Delete keys
-A All
-S Generate snapshot
-F file Export to file
-I file Load specified file
-U file Uninstall all defined by file
-E regexp Search for matching entry
-M Display last modification date
-X Display unassigned system keys
-B Output command line format
-R Register Apps
key Key to display (may contain wildcards)
value Defines new value for the key

Displays/Edits Registry keys
Aliases: REG, REGISTRY

REGISTRY key [= value]

Options:

-D Delete keys
-A All
-S Generate snapshot
-F file Export to file
-I file Load specified file
-U file Uninstall all defined by file
-E regexp Search for matching entry
-M Display last modification date
-X Display unassigned system keys
-B Output command line format
-R Register Apps
key Key to display (may contain wildcards)
value Defines new value for the key

Displays/Edits Registry keys

Aliases: REG, REGISTRY

REN source destination

Renames the source file to the destination file name.

Aliases: REN, RENAME

RENAME source destination

Renames the source file to the destination file name.

Aliases: REN, RENAME

RM filespec

filespec May contain wildcards

Removes/Deletes the specified file(s).

Prompts to confirm deletions when wildcards are used.

Aliases: RM, DEL

RMDIR path

Option:

-S Removes all content

Deletes/Removes the folder.

Aliases: RD, RMDIR

RUN

Executes a script.

SENDMAIL recipients [subject]

Options:

- C addr Recipients closed-copied
- B addr Recipients blind-copied
- I file Text file appended to message
- A files One or more attachments
- S Skip text line entry

Sends an email to designated recipients (lists separated by semicolons).

SET [variable [= value]]

- variable Environment variable to list or set.
- value Value of the new assignment.

Displays the current environment or sets/shows variable.

Aliases: SET, SETENV

SETENV [variable [= value]]

- variable Environment variable to list or set.
- value Value of the new assignment.

Displays the current environment or sets/shows variable.

Aliases: SET, SETENV

STATS

Option:

- A Acknowledge Attention Status

Display system information.

THD

Display JVM thread information.

TOUCH filespec

Sets the last modified time of the file to the current time.

Creates a new 0 length file if it does not exist.

TYPE filespec

Options:

- H Dump file in hex
- J Formats JSON
- P Displays last page

Displays the contents of a file.

Aliases: CAT, TYPE

USERADD user

Options:

- A Administrator rights
- C Control rights
- D Disabled account

Adds a user to the system.

USERDEL user...

Removes one or more users from the system.
Multiple users can be specified separated by spaces.

USERMOD user

Options:

- +A,-A Add or remove Administrator rights
- +C,-C Add or remove Control rights
- +D,-D Disable or Enable the account

Modifies user privileges.

USERS

Lists user accounts.

WHOAMI

Displays current username.

ZIP archive [filespec ...]

Options: (-LV Default)

- E Extract contents
- A Add files
- U Update files
- F Freshen archive
- M Move files
- D Delete files
- L List contents
- S Recurse folders
- P spec Path override
- V Verbose format
- O Overwrite when extracting
- T Test archive

List/Add/Extract files from a ZIP/JAR archive.
Aliases: ARC, ZIP, JAR

^C (Ctrl-C)

Displays the welcome banner.

Summary

Thank you for purchasing the **JNIOR**. Hopefully this manual made the getting-to-know process of your new **JNIOR** very quick and easy. The **JNIOR** has many more wonderful tools and features available, and are explained in detail in the supplied documents.

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