

DATAKIT.TXT

----- isn: How to connect across VCS/ISN boundaries. -----

Holmdel, Crawford Hill, and Short Hills locations have mostly ISN nodes. Other locations have primarily VCS (Datakit) nodes. In general, ISN nodes issue the 'DIAL:' prompt, and VCS nodes issue the 'DESTINATION:' prompt. The following examples should prove helpful in establishing connections across the above network boundaries. The example destinations are "ih/f/iwlca" on VCS, and "hod/houx" on ISN.

ISN to VCS: Type '1/toll' at the 'DIAL:' prompt.
Then type 'ih/f/iwlca' at the 'DESTINATION:' prompt.

VCS to VCS: Type 'ih/f/iwlca' at the 'DESTINATION:' prompt.

VCS to ISN: Type 'ho/toll/isn' at the 'DESTINATION:' prompt.
Then type 'hod/houx' at the 'DIAL:' prompt.

ISN to ISN: Type 'hod/houx' at the 'DIAL:' prompt.

----- netdir_doc: Netdir Tutorial. -----

WHAT IS NETDIR:

Netdir is an on-line database of essential system information. Presently, its scope is limited to AT&T systems, both those connected to the Datkit network, as well as those which are not. As need arises, the netdir database will be updated periodically to reflect recent changes and additions.

The information contained in each data base record consists of:

NAME:	the name of the system, eg. 'ihuxa'
TYPE:	system type, if available, eg. 'vax11/780'
NET ADDRESS:	network address as 'area_code/exchange/host' (note that some hosts are not on the network)
DIALUP:	direct dialup numbers, if available
PATH:	uucp path; replace '%s' with login name
ORG:	name of organization
ADDRESS:	mail address
CONTACT:	contact(s), system administrator(s), etc.

BASIC USAGE:

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When invoked, netdir displays the following prompt:

"PLEASE ENTER SYSTEM NAME: "

The name of the system for which information is being requested should be entered at this point. Example: 'ihuxm'. AT this point netdir searches the data base, and displays the retrieved record(s). If the specified system is not found in the database, an appropriate message is displayed.

HOW TO USE SPECIAL CHARACTERS:

In order to make the retrieval more flexible and to allow the retrieval of groups of systems with a single query, netdir supports a limited regular expression capability. The following special characters are recognized:

? matches any single character
* matches any string
[] character class. examples: [ayb], [A-Zg-h], [a-z0-9].

There is presently no way to 'escape' the meaning of these special characters. If any of the above are used, it is recommended that the search pattern end with '*'.

Examples: ihux*, ihnp[0-7]*, ??uxa, *vax*, i?ux?, etc.

HOW TO SEARCH USING KEYS OTHER THAN SYSTEM NAME:

It is possible to search the netdir database using a key other than the system name. To do this, enter '~key' at the netdir prompt. You will be asked to choose a search key, and then to enter the search pattern.

HOW TO STAT THE VERSION:

Typing '~version' at the netdir prompt will display the version of the database, as well as the version of the program.

ONLINE COMMAND SUMMARY:

Typing '?', 'help', etc. at the netdir prompt will display a summary of netdir usage.

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DIFFERENT FROM DIRECTORY ASSISTANCE:

Netdir is *not* the same as Datakit VCS Directory Assistance, hence it does not recognize search strings such as 'k/?', 'ih//?' etc. These are entered at the "DESTINATION: " prompt. Please consult the Datakit VCS User's Guide for information on how to use Directory Assistance.

REQUEST FOR COMMENTS:

Please direct comments/suggestions regarding the netdir program to [ihnp4!]ihnp1!mth.

Please direct comments regarding the netdir database content to [ihnp4!]ihnp1!action, or the IH Help Desk, x3333.

Thank you.

----- people: Important people contacts at IH. -----

General information: Doug Cummings x4142
 Tom Okapal x4311

Service orders: Thresa Martin x6359

Wiring: Dan DeChirico x2211
 Ray Serafinn x4510

----- dug12: [D.U.G.] Glossary of Messages. -----

***** Messages Issued By Datkit VCS *****

CONTROL COMPUTER OVERLOAD

Usually indicates that all computer ports are in use, or that the entire modem pool is in use.

<NAME> IS AN INVALID DESTINATION

<NAME> is not a valid address for Datakit. Enter "netdir" or "?" at the "DESTINATION: " prompt to verify host address.

INVALID DESTINATION

Indicates that the connection requested cannot be completed for one

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of several reasons: all ports busy on a host or trunk, or an improper/incomplete host name or destination was specified. Unfortunately, this message sometimes also indicates that the computer controlling one of the Datakit nodes is momentarily busy.

<NAME> IS BUSY

All computer ports for <NAME> are in use.

NETWORK ROUTING ERROR

Indicates an all ports busy on an alternate route to the host. Try again later. This is now used in place of "control computer overload."

<NAME> IS NOT ANSWERING

All connections to <NAME> are not in service. The host may be out of service at this time.

CALL SETUP TIMED OUT

The call was not set-up in the allotted time interval (approx 30 sec). Press return to get destination prompt and re-enter the host address.

TRUNK COLLISION

Indicates that a high speed trunk channel between nodes has been seized from both ends at the same time. Press <CR> and re-enter the host address.

SOMETHING IS WRONG

Unknown Datakit error - please submit a trouble ticket.

TRUNK INOPERABLE

The host cannot be accessed due to a node or trunk being out of service. Please submit a trouble ticket.

ATTEMPTED DIALING: <PHONE NUMBER>

Correct dialing initiated, however, call could not complete due to a following message.

AUTO-DIALER DISABLED BY DATAKIT VCS ADMINISTRATOR

The auto-dialer was removed from service while the call was in

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progress. Try again.

AUTO-DIALER FAILED TO INITIATE CALL. TRY AGAIN.

Auto-dialer failed during dialing. If this message appears more than twice in succession, please submit a trouble ticket.

DIALED NUMBER IS BUSY

The call was successfully dialed, but the number was busy.

INVALID BAUD RATE SELECTED

The auto-dialer baud rate option request was other than 300 or 1200 bps.

NO ANSWER FROM DIALED NUMBER

The call was successfully dialed, but the called number did not answer.

NO CARRIER TONE DETECTED

The call was successfully dialed and answered by the host, however, no carrier tone was detected.

NO INITIAL DIAL TONE DETECTED. TRY AGAIN.

The auto-dialer may have a bad phone line.

NO RESPONSE FROM AUTO-DIALER. TRY AGAIN.

The auto-dialer failed to respond.

NO SECONDARY DIAL TONE DETECTED

The auto-dialer was expecting, but did not get a second dial tone. Try again.

PLEASE SUPPLY A VALID PHONE NUMBER

(Will be used in a later software release.) Please use the proper format as follows: 'dial.<phone number>[l baud rate]'.

***** Messages issued by the Penril 8216 Auto-Dialer *****

">" Prompt character. Auto-dialer is waiting for a command.

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ABORT Character typed while auto-dialer was processing a command or dialing a phone number.

ERROR Invalid command entry.

NO.: Auto-dialer is waiting for phone number to dial.

DIALING: ddd... Auto-dialer displays the number being dialed.

NO DIAL TONE Auto-dialer may have a bad phone line.

BUSY The call was successfully dialed, but the number was busy. The Auto-dialer hangs up and waits for the next command.

NO ANSWER The call was successfully dialed, but number did not answer.

NO CD The call was successfully dialed and answered, however, no carrier tone was detected.

NO RING The auto-dialer did not detect ringing. Try again.

OK Auto-dialer is on-line. Login prompt should follow.

***** Messages issued by the AT&T 2212 Modem *****

":" Prompt character. Auto dialer is waiting for command.

BUSY The call was successfully dialed, but the number was busy.

CALLING Auto-dialer displays the number being called.

CONNECTED Auto-dialer is on line. Login prompt should follow.

NO ANSWER The call was successfully dialed, but number did not answer.

NO DIAL TONE Auto-dialer may have a bad phone line.

NOT CONNECTED The call was successfully dialed and answered, however, no carrier tone was detected.

----- dug11: [D.U.G.] On-line Trouble Reporting. -----

An on-line trouble ticket facility for reporting datakit VCS malfunctions is available.

To help troubleshoot problems, the NODE, MOD, and PORT information for both

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ORIGINATE and DESTINATION connections is required on each trouble ticket. This data can be obtained by entering "display" in the DK command mode (see infor item 'dug10'.) It is also imperative that the circuit number be reported on the trouble ticket. This number is stamped on the Datakit VCS jack that your terminal is connected to.

It is not essential to enter the trouble ticket on your terminal. Any working terminal can be used.

The trouble ticket entry is menu driven, and guides you through the entry process. At the end, your report is assigned a six-digit number. Save this number for future inquiries.

To enter a new trouble ticket, or inquire on the status of an existing one:

ENTER: "trouble" at the "DESTINATION: " prompt.

Although the above method is preferred, troubles can also be reported to the Help Desk, x3333.

----- dug10: [D.U.G.] DK Command Mode. -----

This mode is used to communicate directly with the Datakit VCS controller. The mode is identified by a "DKC" prompt on the screen.

Enter the "DKC" mode by depressing the <BREAK> key twice within one second. This may be done at the "DESTINATION: " prompt, or when logged into a host.

The following are the DK commands. Items tagged with '*' are not currently in service.

COMMAND	ABBREVIATION	EXPLANATION
-----	-----	-----
continue	c,cont	Returns you to the previous network connection
*	c new [tag]	New call; hold current call with 'tag'
*	c tag1 [tag2]	Switch to 'tag1'; hold current call with 'tag2'
disconnect	d,disc	Drop the current network connection
*	d tag	Drop call held with 'tag'
*	d all	Drop all held calls
display	disp	Display TY options and status
*	disp held	Display held calls
help	h, help	List commands, abbreviations, and explanations
* select	sel	Select originating group
* clraccess	clr	Clear access permissions
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----- dug08: [D.U.G.] Directory Assistance. -----

Two types of host directories are available to the Datakit VCS user:

1. Datakit VCS Directory - contains a list of locations, exchanges, and hosts available for access.

Local Exchange Access:

ENTER: "?" at the "DESTINATION: " prompt.

Remote Exchange Access:

ENTER: "exchange/?" at the "DESTINATION: " prompt. Example: "h/?".

Remote Area Code Access:

ENTER: "exchange//?" at the "DESTINATION: " prompt. Example: "mh//?".

2. Network Directory (netdir) - This is a directory service listing all systems available along with their location, exchange, local codes, system type, alternate access numbers, and contact person(s).

To access:

ENTER: "netdir" at the destination prompt.

You will then be prompted to enter a system name. Example: "ihuxa".

You may also enter "?" for more information on netdir usage.

----- dug07: [D.U.G.] Terminating a connection. -----

There are three ways to terminate a connection:

- a. Log off the host in the normal way. If this does not produce the "DESTINATION: " prompt, also perform the next step.
- b. Enter Datakit VCS command mode (see info item 'dug10') by:
 1. Depressing the <BREAK> key on the terminal twice within one second.
 2. Enter "disc" at the DKC prompt.
 3. "DESTINATION: " prompt will appear on the screen.
- c. Turning the terminal off after logging off from a host will also disconnect a session.

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DOWNLOADED FROM P-80 SYSTEMS.....