Netfinity Manager

Command Reference
Note

Before using this information and the product it supports, be sure to read the general information under Appendix B, “Notices” on page 184.

First Edition (June 1998)

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</tr>
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This book provides information on the command line interface (CLI) tools found in Netfinity Manager. The Netfinity CLI tools are designed to enable experienced users to perform intricate and powerful systems-management tasks using a command-line format. These CLI tools greatly enhance the systems-management capabilities of the Netfinity Manager.

**Important**

Use these tools *only* if you are an experienced Netfinity Manager user. Netfinity CLI tools do not provide warnings or user-confirmation feedback (for example, *Are you sure?*) and can seriously affect other Netfinity systems if used improperly. If you are unfamiliar with command line interfaces or do not have a complete understanding of the Netfinity services and the problems that improper use of these services can cause on your own or other Netfinity systems, do not use the Netfinity CLI tools.

**Who Should Read This Book**

This book is primarily for use by experienced network administrators who want to use Netfinity command-line interfaces to automate systems-management tasks.

You should have extensive knowledge of your operating system, network operations, database functions, Netfinity Manager, and Client Services for Netfinity Manager before attempting to use Netfinity command line interfaces.
General Netfinity Command Specifications

All Netfinity CLI tools conform to the specifications in the following sections.

Text-Mode Executable Files
All Netfinity CLI tools are text-mode executable, or files that direct their output to STDOUT and STDERR and accept all inputs from command-line parameters and (if desired) a textual response file.

- If you are using Windows 95 or Windows NT, the tools are Win32 Console applications.
- If you are using OS/2, the tools are virtual input output (VIO) applications.
- 16-bit Windows applications are not supported.

Output Return Codes
A return code can be used to determine the success or failure of a given command-line process. All Netfinity CLI tools output return codes conforming to the following definitions, as appropriate.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (NFCMDLINE_SUCCESS)</td>
<td>Operation requested was completed successfully</td>
</tr>
<tr>
<td>1 (NFCMDLINE_SYSTEM_UNAVAILABLE)</td>
<td>Target system is unavailable or unreachable</td>
</tr>
<tr>
<td>2 (NFCMDLINE_SERVICE_DOES_NOT_EXIST)</td>
<td>Needed services on target system are not available or not defined</td>
</tr>
<tr>
<td>3 (NFCMDLINE_NOT_AUTHORIZED)</td>
<td>Authorization for needed service on target system is not available</td>
</tr>
</tbody>
</table>
4 (NFCMDLINE_TIMEOUT) Communication with target system failed due to timeout

5 (NFCMDLINE_COMMUNICATION_ERROR) Communication with target system failed (non-timeout)

6 (NFCMDLINE_SERVICE_BUSY) Needed services on target system are available, but currently not available for use

7 (NFCMDLINE_SVC_NODE_CREATE_FAILED) Attempt to create ServiceNode failed (probably missing DLLs)

8 (NFCMDLINE_SVC_START_FAILED) Request to start required services on target system failed

9 (NFCMDLINE_SVC_STOP_FAILED) Request to stop required services on target system failed

10 (NFCMDLINE_BAD_COMMAND_LINE) Command-line syntax error or invalid input

11 (NFCMDLINE_FUNCTION_NOT_SUPPORTED) Requested operation is not supported by the services on the target system

12 (NFCMDLINE_FILE_NOT_FOUND) Requested operation failed due to not finding needed local file
13 (NFCMDLINE_FILE_OUTPUT_ERROR)  Requested operation failed because of an I/O error to a local file

In addition to these return codes, some CLI tools provide service-specific values. See the section for the specific CLI for more information.

Data Output for Processing by Other Tools
Data output for CLI tools is intended for processing by other programs. To support this, informational output from the CLI tools conforms to the following standard:

1. All informational output (as opposed to error messages, help messages, logo messages, copyright messages, and other human-oriented outputs) is directed to STDOUT. All other output is directed to STDERR.

2. All informational output consists of keywords or keyword and value pairs. For example:
   MANAGER, ATTRIBNAME=VALUE, TOKEN="string"

3. Grouped output is formatted by listing keyword and keyword/value pairs, separated by commas, spaces, or consecutive lines, with a blank line marking the end of each record. Each group of data is enclosed in braces, and groups of data can be nested. For example:
   
   { TAG=1234, NAME='xxx', MANAGER, MAC=4000123677 }
   { TAG=1236, NAME='yyy', MAC=4000123678 }

   This output could also appear as:
   
   { TAG=1234
     NAME='xxx'
     MANAGER
     MAC=4000123677 }
   { TAG=1236
     NAME='yyy'
     MAC=4000123678 }

   If this output were part of a nested group, it could appear as shown here:
4. Values in keyword/value pairs are formatted as follows:

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Used for...</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xhexvalue</td>
<td>Hexadecimal values (capital letters are used for A–F)</td>
</tr>
<tr>
<td>value</td>
<td>Decimal values (a leading - or + is allowed)</td>
</tr>
<tr>
<td>value</td>
<td>Keyword-type values (ON, OFF, or ENABLED, for example)</td>
</tr>
<tr>
<td>&quot;string&quot;</td>
<td>String-like values (enclose the string with two double quotation marks to include double quotation marks characters within the string)</td>
</tr>
<tr>
<td>value.value</td>
<td>Floating-point decimal values</td>
</tr>
<tr>
<td>date/month/year</td>
<td>Dates (ISO ordering, not local. For example, 29/1/1966)</td>
</tr>
<tr>
<td>hour:minute:second</td>
<td>Times (always 24 hour; for example, 18:30:54)</td>
</tr>
<tr>
<td>date/month/year:hour:minute:second</td>
<td>Full local time stamp (for example, 29/1/1966:18:30:54)</td>
</tr>
<tr>
<td>date/month/year:hour:minute:second+off</td>
<td>Full universal time stamp, where off equals the number of minutes from universal time (&quot;timezone&quot;); use - instead of + if negative delta</td>
</tr>
</tbody>
</table>

{ other_keywords_or_values }  

collections of values or attributes

Note: Only string fields can contain non-ASCII characters and translated or country-local values.
5. All keywords start with an ASCII letter (A–Z, a–z, or _), followed by ASCII alphanumeric characters (0–9, A–Z, a–z, or _).

6. Commas, spaces, new-lines (CR, LF), and tab characters, when not enclosed in “string” fields, are treated as interchangeable separators.

7. The following value keywords are used, where appropriate: TRUE, FALSE, ENABLED, DISABLED, NULL, NONE, UNKNOWN.

8. All “string” fields are expressed in the local code page of the system running the CLI tool. You must provide any required code page mapping of this data.

9. All command-line parameters are structured as follows:
   a. Each command-line parameter requires a leading forward-slash (/) or dash (-) character, followed by an ASCII keyword that can be uppercase, lowercase, or mixed case. If a value must be provided with the keyword, the keyword must be followed by a colon and the value (which may be enclosed in double quotation marks, if necessary).

   Examples:
   /ADDSYS
   /DELSYS:name
   -REMSYS:"name with spaces"

   b. Textual values on the command line must be provided in the CLI tool’s local code page. You must provide any required code page mapping of these inputs.

   c. All CLI tools support the following command-line values, with the following default behaviors if the parameter is not provided:

   General Netfinity Command Specifications
<table>
<thead>
<tr>
<th>Command-Line Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/N:netpath</td>
<td>Provides Netfinity-style network path to target system. Some examples: /N:NETBIOS::USERNAME, /N:TCPIP::user.network.com If this parameter is not provided, the local system is the target system.</td>
</tr>
<tr>
<td>/S:&quot;system name&quot;</td>
<td>Provides optional system name for target system. For example, /S:&quot;My system&quot;. If this parameter is not provided, no system name is used.</td>
</tr>
<tr>
<td>/?</td>
<td>Display command-line help for tool (if available)</td>
</tr>
</tbody>
</table>

- d. To avoid conflict with future standard options, tool-specific options must be defined with keywords with at least 3 characters.
- e. Standard parameters (and tool-specific parameters) can be in any order.
- f. The presence of any unsupported or inappropriate parameters results in no action, with a return code of NFCMDLINE_BAD_COMMAND_LINE.
- g. Response file support is provided by some CLI tools. The response file must be provided with a leading ampersand (&). The contents of the response file will be processed as if
they were substituted for the response file option on the command line (with new-line and tab characters replaced with spaces).

10. Command-line help, logos, copyright statements, error messages, and other human-oriented outputs are directed to STDERR, not STDOUT.

See Appendix A, “Reading Syntax Diagrams” on page 179 for information about reading syntax diagrams.
Alert Manager (NFALRTCL)

Information on the Netfinity Alert Manager command-line tool NFALRTCL follows.
NFALRTCL /?

NFALRTCL /?

Syntax

```
NFALRTCL --/?
```

Purpose of Command

This command displays command-line help for NFALRTCL.
NFALRTCL /LISTLOG

Syntax

```
NFALRTCL /LISTLOG /TAG:NNNNNNNN /N:netpath
```

Purpose of Command

This command lists all alerts which are specified in the alert log.

Parameter Descriptions

- **/ALL** Selects all the alerts in the log.
- **/N** Specifies the network path to the target system.
- **/S** Specifies the system name for the target system.
- **/TAG** Selects the specified alert.

Command Responses

The output for each alert specified by NFALRTCL /LISTLOG appears as follows:

```
{ TAG=0xNNNNNNNN, TEXT="alert text", TIME=alert_time,
  DATE=alert_date, SEV=severity, TYPE=alert_type,
  APP="app_ID", ATYPE=alert_type
  SENDER=netpath, Pnum="parm", others}
```

where:

- TAG value hexnum is a hexadecimal identifier for the log entry.
- TEXT value is a string for alert text.
- TIME value is the time attribute of the alert (hh:mm:ss).
- DATE value is the date attribute of the alert (dd-mm-yyyy).
- SEV value is the severity of the alert (0–7)
- TYPE value is the standard alert type. The format is two 3-character sequences (xxxxyyy) where xxx is one of the following alert types:
NFALRTCL /LISTLOG

- UNK  (unknown)
- SYS  (system)
- DSK  (disk or DASD)
- NET  (network)
- OS_  (operating system)
- APP  (application)
- DEV  (device)
- SEC  (security)

and yyyy is one of the following alert classes:
- UNK  (unknown)
- FLT  (fault or failure)
- ERR  (error)
- WRN  (warning)
- INF  (information)

- APP value is a string for the application ID of the alert.
- ATYPE value is the hexadecimal number of the application alert type.
- SYSNAME value is a string representing the system name.
- SENDER value is a string representing the alert sender's path.
- Pnum value is a string representing the alert parameter number.

The value num can be 1 through 9.

NFALRTCL /LISTLOG returns the following tool-specific codes:

**Return Code Description**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
</tbody>
</table>
210  Profile tag or name not valid
NFALRTCL /DELOG

Purpose of Command
This command deletes all alerts specified from the alert log.

Parameter Descriptions
/ALL Selects all the alerts in the log
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.
/TAG Selects the specified alert.

Command Responses
NFALRTCL /DELOG does not generate any textual output.

NFALRTCL /DELOG returns the following tool-specific codes:

Return Code Description
200 Alert log tag not valid
201 Alert action tag not valid
202 Alert handler not valid
203 Alert action match not found
204 Invalid alert type
205 Invalid alert severity
206 Invalid application alert type
207 Invalid application identification
### NFALRTCL /DELLOG

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
NFALRTCL /LISTHAND

Syntax

NFALRTCL /LISTHAND /ALL /NAME:"handname" /N:netpath /S:"sysname"

Purpose of Command
This command lists all specified alert handlers.

Parameter Descriptions

/ALL     Selects all alert handlers.
/N       Specifies the network path to the target system.
/NAME    Selects the specified alert handler.
/S       Specifies the system name for the target system.

Command Responses
The output for each alert handler specified by NFALRTCL /LISTHAND appears as follows:

{ NAME="name", HANDLER="handler_id", PARMLABO="parm label", PARMLAB1="parm label", others }

where:

- NAME value is a string representing the alert label.
- HANDLER value is a string identifier for the alert handler as follows:
  - WEBACT/0 sets the alert as TCP/IP Web mail.
  - SETERRORCONDITION sets the error condition for the sending system.
  - CLERERRORCONDITION clears the error condition for the sending system.
  - DMICAT/0 sends the DMI event through the DMI service layer.
NFALRTCL /LISTHAND

- ALERTLOG adds an alert to the log file.
- ALERTFORWARD forwards the alert through the network.
- ALERTPOPUP notifies the user with a pop-up window describing the alert.
- RUNCOMMAND executes a command.
- RUNMINCOMMAND executes a minimized command.
- PAGERACT/0 activates a numeric pager.
- PAGERACT/1 sends to an alphanumeric pager.
- TCPIPACT/0 sends an SNMP alert.
- TCPICACT/1 sends TCP/IP mail.
- TCPICACT/2 sends a mapped SNMP alert.
- others: the format is an uppercase DLL name followed by a slash (/) and an entry point number (AlertHandler#).

- PARMLAB# value is a string label for the alert parameter (0–3).

NFALRTCL /LISTHAND returns the following tool-specific codes:

Return Code Description
200 Alert log tag not valid
201 Alert action tag not valid
202 Alert handler not valid
203 Alert action match not found
204 Invalid alert type
205 Invalid alert severity
206 Invalid application alert type
207 Invalid application identification
208 Profile in use by existing actions
209 Profiles not supported
210 Profile tag or name not valid
NFALRTCL /LISTACT

Syntax

Parameter Descriptions

/ALL Selects all configured actions.

/HASAPP Specifies the application identifiers matched by the actions to select. Only actions that match all provided identifiers will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASAPP:ANY.

/HASATYPE Specifies the hexadecimal application alert types matched by the actions to select. Only actions which match all provided types will be selected. Actions which match on any application alert type can be specified with the /HASATYPE:ANY command.

/HASHAND Specifies the handler ID of the action to specify.

Purpose of Command

This command lists all specified alert actions.
**NFALRTCL /LISTACT**

/HASPARM#  Specifies the parameter number (0–3) of actions to select.

/HASPROF    Specifies the name of the profile used by the actions to select. Only actions that contain all provided profile names will be selected.

/HASPROFTAG Specifies the hexadecimal profile tag of the actions to select. Only actions that contain all provided profile tags will be selected.

/HASSENDER  Specifies the sender path matched by the actions to select. Only actions that match all of the provided sender paths will be specified. Actions that match on any sender can only be specified with the /HASSENDER:ANY command.

/HASSEV     Specifies the alert severity matched by the actions to select. Only actions that match all of the provided severities will be selected. Actions that match on any severity can be specified only with the /HASSEV:ANY command.

/HASTYPE    Specifies the standard alert type matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASTYPE:ANY.

/N          Specifies the network path to the target system.

/S          Specifies the system name for the target system.

/TAG        Specifies the hexadecimal identifier of a specific action.

**Command Responses**
The output for each alert action specified by NFALRTCL /LISTACT appears as follows:
NFALRTCL /LISTACT

( TAG=0xNNNNNNNN, NAME="pv.name", HANDLER="handler_id", PARM0="parm value", PARM1="parm value", PROFTAG={0xNNNNNNNN, ...}, PROF={"profname", ...}, TYPES={alert_types, ...}, ATYPES={app_alert_types, ...}, APPS={app_IDs, ...}, SEVS={sev, ...}, SENDERs={"sender", ... }, others)

where:

- TAG value is a unique identifier for the action.
- NAME value is a string label (on profile actions).
- HANDLER value is a string identifier for the alert handler.
- PARM# value is a string value for the parameter number (0–3).
- PROFTAG value is a bracketed list of hexadecimal tag identifiers for profiles used to match with the action (if it is used).
- PROF value is a bracketed list of strings for profile names used to match with the action (if it is used).
- TYPES value is a bracketed list of standard alert types, with an empty list indicating ANY. This is only present if profiles are not used for the actions.
- APPS value is a bracketed list of application ID strings, with an empty list indicating ANY. This is only present if profiles are not used for the actions.
- ATYPES value is a bracketed list of hexadecimal numbers for the application alert types, with an empty list indicating ANY. This is only present if profiles are not used for the actions.
- SEVS value is a bracketed list of alert severities, with an empty list indicating ANY. This is only present if profiles are not used for the actions.
- SENDERs value is a bracketed list of sender path strings, with an empty list indicating ANY. This is only present if profiles are not used for the actions.

NFALRTCL /LISTACT. returns the following tool-specific codes:

Return Code Description
200 Alert log tag not valid
201 Alert action tag not valid
202 Alert handler not valid
### NFALRTCL /LISTACT

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
NFALRTCL /DELACT

Purpose of Command
This command deletes all specified alert actions.

Parameter Descriptions

/ALL Selects all configured actions.

/HASAPP Specifies the application identifiers matched by actions to select. Only actions that match all provided identifications will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASAPP:ANY.

/HASATYPE Specifies the hexadecimal application alert types matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any application alert type can only be specified with the /HASATYPE:ANY command.

/HASHAND Specifies the handler ID of the actions to select.
NFALRTCL /DELACTION

/HASPARM# Specifies the parameter number (0–3) of actions to select.

/HASPROF Specifies the name of the profile used by the actions to select. Only actions that contain all provided profile names will be selected.

/HASPROFTAG Specifies the hexadecimal profile tag of the actions to select. Only actions that contain all provided profile tags will be selected.

/HASSENDER Specifies the sender path matched by the actions to select. Only actions that match all of the provided sender paths can be specified. Actions that match on any sender can only be specified with the /HASSENDER:ANY command.

/HASSEV Specifies the alert severity matched by the actions to select. Only actions that match all of the provided severities will be selected. Actions that match on any severity only can be specified with the HASSEV:ANY command.

/HASTYPE Specifies the standard alert type matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASTYPE:ANY.

/N Specifies the network path to the target system.

/S Specifies the system name for the target system.

/TAG Specifies the hexadecimal identifier of a specific action.

Command Responses
The output for each action specified by NFALRTCL /DELACTION appears as follows:

TAG=0xNNNNNNNN
where TAG value is a unique identifier for the deleted action.

NFALRTCL /DEACT returns the following tool-specific codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
**Purpose of Command**
This command adds an alert action based on the profiles.

**Parameter Descriptions**

/ADDPROF Specifies the name of the profile to be added to the list of profiles for the action.

/ADDPROFTAG Specifies the hexadecimal tag for the profile to be added to the list of profiles for the action.

/N Specifies the network path to the target system.

/NEWNAME Specifies the string label for the profile-based action.

/PARM0 Specifies the parameter number of the action. This value can be from 0 to 3.

/S Specifies the system name for the target system.

**Command Responses**
The output appears as follows:

TAG=0xNNNNNNNN

where TAG value is a unique identifier for the new action.

**Return Code Description**
200 Alert log tag not valid
201 Alert action tag not valid
202 Alert handler not valid
203 Alert action match not found
204 Invalid alert type
205 Invalid alert severity
206 Invalid application alert type
207 Invalid application identification
208 Profile in use by existing actions
209 Profiles not supported
210 Profile tag or name not valid
NFALRTCL /ADDACT

NFALRTCL /ADDACT

Syntax

```
NFALRTCL — /ADDACT:"handler_id"— /PARM"parm val"
```

Purpose of Command
This command adds an alert action based on the matching rules.

Parameter Descriptions

- **/ADDAPP**
  Specifies the application identification string to be added to the list of matching application identification strings.

- **/ADDATYPP**
  Specifies a hexadecimal application alert type to be added to the matching list.

- **/ADDTYPE**
  Specifies the standard alert type to be added to the list of matching alert types.

- **/ADDSEV**
  Specifies the alert severity (0–7) to be added to the matching list.

- **/ADDSENDER**
  Specifies the sender path string to be added to the matching list.

- **/N**
  Specifies the network path to the target system.

- **/PARMnum**
  Specifies the parameter number `num` of the action (0–4). Each alert action can have from 0 to 4 parameters. The first is parm0, the second is parm1, and so on. The meaning of each parameter is specific to the action specified.
NFALRTCL /ADDACT

/S Specifies the system name for the target system.

Command Responses
The output appears as follows:
TAG=0xNNNNNNNN

where TAG value is a unique identifier for the new action.

NFALRTCL /ADDACT returns the following tool-specific codes:

Return Code Description
200 Alert log tag not valid
201 Alert action tag not valid
202 Alert handler not valid
203 Alert action match not found
204 Invalid alert type
205 Invalid alert severity
206 Invalid application alert type
207 Invalid application identification
208 Profile in use by existing actions
209 Profiles not supported
210 Profile tag or name not valid
NFALRTCL /EDITPACT

Syntax

```
NFALRTCL /EDITPACT [ /ALL ] [ /TAG ] [ /HASHAND ] [ /HASPARM# ] [ /HASPROFTAG ] [ /HASTYPE:ANY ] [ /HASAPP:ANY ] [ /HASATYPE:ANY ] [ /HASEV:ANY ] [ /HASSENDER:ANY ]
```

```
/NEWHAND:"handler_id" /PARM0:"parm val"
```

```
/PARM1:"parm val" /ADDPROFTAG:NNNNNNNN
```

```
/ADDPROFTAG:NNNNNNNN /ADDPROF:"profilename"
```

```
/DelpROF"profilename" /N:netpath /S:"sysname"
```

Purpose of Command

This command edits the alert action profile with the given tag.

Parameter Descriptions

/ALL       Selects all configured actions.

/ADDPROF   Specifies the string name of the profile to be added to the list of profiles for the action.

/ADDPROFTAG Specifies a hexadecimal tag for the profile to be added to the list of profiles for the action.

/DELPROF   Specifies the string name of the profile to be removed from the list of profiles for the action.
/DELPRTAG
Specifies a hexadecimal tag for the profile to be removed from the list of profiles for the action.

/HASAPP
Specifies the application identifications matched by actions to select. Only actions that match all provided identifications will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASAPP:ANY.

/HASATYPE
Specifies the hexadecimal application alert types matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any application alert type can only be specified with the /HASATYPE:ANY command.

/HASHAND
Specifies the handler ID of the actions to select.

/HASPARM#
Specifies the parameter number (0–3) of actions to select.

/HASPROF
value is the name of the profile used by the actions to select. Only actions that contain all provided profile names will be selected.

/HASPROFTAG
Specifies the hexadecimal profile tag possessed by actions to select. Only actions that contain all provided profile tags will be selected.

/HASSENDER
Specifies the sender path matched by the actions to select. Only actions that match all of the provided sender paths can be specified. Actions that match on any sender can only be specified with the /HASSENDER:ANY command.

/HASSEV
Specifies the alert severity matched by the actions to select. Only actions that match all of the provided severities will be selected. Actions that match on any severity only can be specified with the HASSEV:ANY command.
Specifies the standard alert type matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASTYPE:ANY.

Specifies a new handler identifier for the action.

Specifies a new value for the parameter number of the action (0–3).

Specifies a new value for the parameter number of the action (0–3).

Specifies the network path to the target system.

Specifies the system name for the target system.

Specifies the hexadecimal identifier of a specific action.

The output for each specified action appears as follows:

TAG=0xNNNNNNNN

where TAG is a unique identifier for the edited action.

NFALRTCL /EDITPACT returns the following tool-specific codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
NFALRTCL /EDITACT

Syntax

```

/NEWHAND:"handler_id" ── /PARM0:"parm val"

/NEWHAND:"handler_id" ── /PARM1:"parm val"

/AddTYPE:xxxxy ── /ADDAPP:"app_id"

/AddTYPE:NNNN ── /ADDSEV:sev ── /ADDSENDER:"sender"

/DelpTYPE:xxxxy ── /DELAPP:"app_id"

/DelpSEV:sev ── /DELSENDER:"sender"

/S:"sysname"
```

Purpose of Command
This command edits the alert action with the given tag.

Parameter Descriptions
/ADDTYPE  Specifies a standard alert type to be added to the list of matching alert types.

/ADDAPP  Specifies the application identification string to be added to the list of matching application identifiers.
/ADDATYPE  Specifies the hexadecimal application alert type to be added to the matching list.

/ADDSEV    Specifies the alert severity (0–7) to be added to the matching list.

/ADDSENDER Specifies the sender path string to be added to the matching list.

/ALL       Selects all configured actions.

/DELTYPE   Specifies the standard alert type to be removed from the list of matching alert types.

/DELAPP    Specifies the application identification string to be removed from the list of matching application identifiers.

/DELATYPE  Specifies a hexadecimal application alert type to be removed from the matching list.

/DELSEV    Specifies the alert severity (0–7) to remove from the matching list.

/DELSENDER Specifies the sender path string to remove from the matching list.

/HASAPP    Specifies the application identifications matched by actions to select. Only actions that match all provided identifications will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASAPP:ANY.

/HASATYPE  Specifies the hexadecimal application alert types matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any application alert type can only be specified with the /HASATYPE:ANY command.

/HASHAND   Specifies the handler ID of the actions to select.

/HASPARM#  Specifies the parameter number (0–3) of actions to select.
/HASPROF  Specifies the name of the profile used by the actions to select. Only actions that contain all provided profile names will be selected.

/HASPROFTAG  Specifies a hexadecimal profile tag possessed by actions to select. Only actions that contain all provided profile tags will be selected.

/HASSENDER  Specifies the sender path matched by the actions to select. Only actions that match all of the provided sender paths can be specified. Actions that match on any sender can only be specified with the /HASSENDER:ANY command.

/HASSEV  Specifies the alert severity matched by actions to select. Only actions that match all of the provided severities will be selected. Actions that match on any severity only can be specified with the HASSEV:ANY command.

/HASTYPE  Specifies the standard alert type matched by the actions to select. Only actions that match all provided types will be selected. Actions that match on any type (that is, any alert type) are only specified with /HASTYPE:ANY.

/N  Specifies the network path to the target system.

/NEWHAND  Specifies a new handler identifier for the action.

/PARM0  Specifies a new value for the parameter number of the action (0–3)

/PARM1  Specifies a new value for the parameter number of the action (0–3)

/S  Specifies the system name for the target system.

/TAG  Specifies the hexadecimal identifier of a specific action.
Command Responses
The output for each specified action appears as follows:
TAG=0xNNNNNNNN

where TAG is a unique identifier for the edited action.

NFALRTCL /EDITACT returns the following tool-specific codes:

Return Code Description
200   Alert log tag not valid
201   Alert action tag not valid
202   Alert handler not valid
203   Alert action match not found
204   Invalid alert type
205   Invalid alert severity
206   Invalid application alert type
207   Invalid application identification
208   Profile in use by existing actions
209   Profiles not supported
210   Profile tag or name not valid
NFALRTCL /LISTPROF

NFALRTCL /LISTPROF

Syntax

```
NFALRTCL /LISTPROF /ALL ──/SM590000 ──NFALRTCL ──/LISTPROF ──/TAG:
NNNNNNNN ──┬ ┬ ────/SM590000 ──/NAME:"profname" ── /N:
netpath ──┬ ┬ ── /S:"sysname"
```

Purpose of Command

This command lists all of the specified alert profiles.

Parameter Descriptions

/ALL  Selects all profiles.
/N    Specifies the network path to the target system.
/NAME Specifies the name of the profile to select.
/S    Specifies the system name for the target system.
/TAG  Specifies the tag of the profile to select.

Command Responses

The output for each specified alert profile follows:

```
{ TAG=0xNNNNNNNN, NAME="profile name", PROFTAG: { 0xNNNNNNNN, ... } TYPES={ alert_type, ... }, APPS+{ "app_id", ... }, ATYPES+{ atype, ... }, SEVS= { sev, ... }, SENDERS= { "sender", ... }, others } where:
```

- TAG is a unique identifier for the profile.
- NAME value is a string identifier for the alert profile.
- PROFTAG value is a bracketed list of hexadecimal tag identifiers for profiles that define the profile.
- TYPES value is a bracketed list of standard alert types, with an empty list indicating ANY. This value is only present if the profiles are not used for an action.
NFALRTCL /LISTPROF

- APPS value is a bracketed list of application identification strings, with an empty list indicating ANY. This is only present if the profiles are not used for an action.
- ATYPES value is a bracketed list of hexadecimal numbers for the application alert types, with an empty list indicating ANY. This is present only if the profiles are not used for the action.
- SEVS value is a bracketed list of alert severities, with an empty list indicating ANY. This is present only if profiles are not used for the action.
- SENDERS value is a bracketed list of send path strings, with an empty list indicating ANY. This is present only if the profiles are not used for the action.

NFALRTCL /LISTPROOF returns the following tool-specific codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
NFALRTCL /DELPROFILE

Syntax

```
NFALRTCL /DELPROFILE -/ALL /TAG:NNNNNNNN /NAME:"profname" /N:netpath
```

Purpose of Command
This command deletes all specified alert profiles.

Parameter Descriptions

- **/ALL**: Selects all profiles.
- **/N**: Specifies the network path to the target system.
- **/NAME**: Specifies the name of the profile to select.
- **/S**: Specifies the system name for the target system.
- **/TAG**: Specifies the tag of the profile to select.

Command Responses
The output for each specified alert profile follows:

```
TAG=0xNNNNNNNN
```

where TAG is a unique identifier for the deleted action.

NFALRTCL /DELPROFILE returns the following tool-specific codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
</tbody>
</table>
NFALRTCL /DELPROFILE

205  Invalid alert severity
206  Invalid application alert type
207  Invalid application identification
208  Profile in use by existing actions
209  Profiles not supported
210  Profile tag or name not valid
Syntax

```
NFALRTCL /ADDCPROF
```

```
<table>
<thead>
<tr>
<th>Syntax</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ADDCPROF: &quot;profname&quot;</td>
<td>Specifies the name of the profile to be added to the list of profiles for the action.</td>
</tr>
<tr>
<td>/ADDCPROFTAG: &quot;profname&quot;</td>
<td>Specifies the hexadecimal tag for the profile to be added to the list of profiles for the action.</td>
</tr>
<tr>
<td>/N: &quot;netpath&quot;</td>
<td>Specifies the network path to the target system.</td>
</tr>
<tr>
<td>/S: &quot;sysname&quot;</td>
<td>Specifies the system name for the target system.</td>
</tr>
</tbody>
</table>

Purpose of Command
This command adds a profile based on the composite profiles.

```
 NFALRTCL /ADDCPROF
```

```
ADDPROF
```

```
ADDPROFTAG
```

```
ADDPROFTAG: "profname" (N: "netpath" /S: "sysname")
```

Command Responses
The output is as follows:

```
TAG=0xNNNNNNNNN
```

where TAG is a unique identifier assigned to the new action.

NFALRTCL /ADDCPROF returns the following tool-specific codes:

### Return Code Description

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
</tbody>
</table>
NFALRTCL /ADDCPROF

205  Invalid alert severity
206  Invalid application alert type
207  Invalid application identification
208  Profile in use by existing actions
209  Profiles not supported
210  Profile tag or name not valid
NFALRTCL /ADDPROFILE

NFALRTCL /ADDPROFILE

Syntax

```
NFALRTCL /ADDPROFILE: "profname": "ADDTYPE: xxxyy"

/ADDAPP: "app_id": /ADDTYPE: MNN /ADDSEV: sev

/ADDSENDER: "sender": /N: netpath /S: "sysname"
```

Purpose of Command
This command adds a profile based on the matching rules.

Parameter Descriptions

/ADDAPP
Specifies the application identification string to add to the list of matching application identifiers.

/ADDATYPE
Specifies the hexadecimal application alert type to add to the matching list.

/ADDSENDER
Specifies the sender path string to add to the matching list.

/ADDSEV
Specifies the alert severity (0–7) to add to the matching list.

/ADDTYPE
Specifies the standard alert type to add to the list of matching alert types.

/N
Specifies the network path to the target system.

/S
Specifies the system name for the target system.

Command Responses
The output is as follows:

TAG=0xNNNNNNNN

where TAG is a unique identifier assigned to the new action.
NFALRTCL / ADDPROFILE

NFALRTCL / ADDPROFILE returns the following tool-specific codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Alert log tag not valid</td>
</tr>
<tr>
<td>201</td>
<td>Alert action tag not valid</td>
</tr>
<tr>
<td>202</td>
<td>Alert handler not valid</td>
</tr>
<tr>
<td>203</td>
<td>Alert action match not found</td>
</tr>
<tr>
<td>204</td>
<td>Invalid alert type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
NFALRTCL /EDITCPROF

NFALRTCL /EDITCPROF

Syntax

```plaintext
NFALRTCL /EDITCPROF
   /ALL
   /TAG:NNNNNNNN
   /NAME:"profname"

/NEWNAME:"new profile" /ADDPROFTAG:NNNNNNNN

/DELPROFTAG:NNNNNNNN /ADDPROF:"profname"

/DELPROF:"profname" /N:netpath /S:"sysname"
```

Purpose of Command
This command edits the specified composite profiles.

Parameter Descriptions

/ADDPROF Specifies the name of the profile to be added to the list of profiles for the action.

/ADDPROFTAG Specifies the hexadecimal tag for the profile to be added to the list of profiles for the action.

/ALL Selects all profiles.

/DELPROF Specifies the string name of the profile to be removed from the list of profiles for the action.

/DELPROFTAG Specifies a hexadecimal tag for the profile to be removed from the list of profiles for the action.

/N Specifies the network path to the target system.

/S Specifies the system name for the target system.
NFALRTCL /EDITCPROF

/TAG  Specifies the tag of the profile to select.

Command Responses
The output is as follows:
TAG=0xNNNNNNN

where TAG is a unique identifier for the edited action.

NFALRTCL /EDITCPROF returns the following tool-specific codes:

Return Code Description
200  Alert log tag not valid
201  Alert action tag not valid
202  Alert handler not valid
203  Alert action match not found
204  Invalid alert type
205  Invalid alert severity
206  Invalid application alert type
207  Invalid application identification
208  Profile in use by existing actions
209  Profiles not supported
210  Profile tag or name not valid
NFALRTCL /EDITPROF

NFALRTCL /EDITPROF

Syntax

```
NFALRTCL /EDITPROF
   /ALL
   /TAG:NINNNNNNN
   /NAME:"profilename"
```

```
/NEWNAME:"new profile"
ADDTYPE:xxxyyy
```

```
/ADDAPP:"app_id"
ADDATYPE:NNNN
ADDSEV:sev
```

```
/ADDSENDER:"sender"
DELTYPE:xxxyyy
```

```
/DELAPP:"app_id"
DELATYPENN
DELSEV:sev
```

```
/DELSENDER"sender"
/N:netpath
/S:"sysname"
```

Purpose of Command
This command edits the specified profiles.

Parameter Descriptions

/Addapp   Specifies the application identification string to add to the list of matching application identifiers.

/Addatype Specifies the hexadecimal application alert type to be added to the matching list.

/Addsender Specifies the sender path string to be added to the matching list.

/Addsev    Specifies the alert severity (0–7) to be added to the matching list.

/Addtype   Specifies the standard alert type to be added to the list of matching alert types.

/All       Selects all profiles.
/DELAPP  Specifies the application identification string to be removed from the list of matching application identifiers.

/DELATYPE  Specifies the hexadecimal application alert type to be removed from the matching list.

/DELENDER  Specifies the sender path string to be removed from the matching list.

/DELSEV  Specifies the alert severity (0-7) to be removed from the matching list.

/DELTYP E  Specifies the standard alert type to be removed from the list of matching alert types.

/N  Specifies the network path to the target system.

/NAME  Specifies the name of the profile to select.

/NEWNAME  Specifies the new profile name.

/S  Specifies the system name for the target system.

/TAG  Specifies the tag of the profile to select.

Command Responses
The output is as follows:
TAG=0xNNNNNNNNN

where TAG is a unique identifier for the edited action.

NFALRTCL /EDITPROF returns the following tool-specific codes:

Return Code Description
200  Alert log tag not valid
201  Alert action tag not valid
202  Alert handler not valid
203  Alert action match not found
204  Invalid alert type
NFALRTCL /EDITPROF

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>205</td>
<td>Invalid alert severity</td>
</tr>
<tr>
<td>206</td>
<td>Invalid application alert type</td>
</tr>
<tr>
<td>207</td>
<td>Invalid application identification</td>
</tr>
<tr>
<td>208</td>
<td>Profile in use by existing actions</td>
</tr>
<tr>
<td>209</td>
<td>Profiles not supported</td>
</tr>
<tr>
<td>210</td>
<td>Profile tag or name not valid</td>
</tr>
</tbody>
</table>
Critical File Monitor CLI (NFCRTFCL)

Information on the Netfinity Critical File Monitor command-line tool NFCRTFCL follows.
NFCRTFCL /?

Syntax

\[ \text{NFCRTFCL} \ - /? \]

Purpose of Command
This command displays command line help for NFCRTFCL.

Parameter Descriptions

/?
Displays the command line help.
NFCRTFCL /LIST

Syntax

Syntax: NFCRTFCL /LIST

Parameters:
- /LIST: Lists information for all monitored files.
- /N: Specifies the network path to the target system.
- /S: Specifies the system name for the target system.

Purpose of Command

This command lists information about monitored files.

Parameter Descriptions

/LIST: Lists information for all monitored files.
/N: Specifies the network path to the target system.
/S: Specifies the system name for the target system.

Command Responses

The output for each group specified by NFCRTFCL /LIST appears as follows:

```
{ FILE="fully_qualified_path", SEV=x, TYPE=
file_type, NTFY=enabled/disabled LOCALNTFY=enabled/disabled }
```

where:

- FILE value is the string for the fully qualified path to file
- SEV value is the severity of the alert that will be generated (0-7)
- TYPE value is the type of file being monitored, either SYSTEM_FILE or STANDARD_FILE
- NTFY value is notify state in respect to the managing system (ENABLED or DISABLED)
- LOCALNTFY value is notify state for local system notification (ENABLED or DISABLED)

NFCRTFCL /LIST returns the following tool-specific return codes:
### NFCRTFCL /LIST

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Fully qualified path missing</td>
</tr>
<tr>
<td>201</td>
<td>Fully qualified path invalid</td>
</tr>
<tr>
<td>202</td>
<td>File name (without path) missing</td>
</tr>
<tr>
<td>203</td>
<td>File name (without path) invalid</td>
</tr>
<tr>
<td>204</td>
<td>Severity missing</td>
</tr>
<tr>
<td>205</td>
<td>Severity invalid</td>
</tr>
<tr>
<td>206</td>
<td>Severity out of range</td>
</tr>
</tbody>
</table>
NFCRTFCL /DELSYS

Syntax

```
NFCRTFCL /DELSYS:filename_without_path /N:netpath
```

Purpose of Command

This command deletes a system file from the list of monitored files.

Parameter Descriptions

/DELSYS  Specifies the name of the system file to be deleted from the monitored file list. Specify only the file name; do not include the path.

/N  Specifies the network path to the target system.

/S  Specifies the system name for the target system.

Command Responses

NFCRTFCL /DELSYS returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>File name (without path) missing</td>
</tr>
<tr>
<td>203</td>
<td>File name (without path) invalid</td>
</tr>
<tr>
<td>204</td>
<td>Severity missing</td>
</tr>
<tr>
<td>205</td>
<td>Severity invalid</td>
</tr>
<tr>
<td>206</td>
<td>Severity out of range</td>
</tr>
</tbody>
</table>
NFCRTFCL /DELSTD

Syntax

\[
\text{NFCRTFCL} \;/\text{DELSTD:fully\_qualified\_path} \;/N:\text{netpath} \;/S:\text{"sysname"}\\
\]

Purpose of Command

This command deletes a standard file from the list of monitored files.

Parameter Descriptions

/DELSTD \hspace{1cm} \text{Specifies the standard file to be deleted from the monitored file list. Specify the fully qualified path to the file.}

/N \hspace{1cm} \text{Specifies the network path to the target system.}

/S \hspace{1cm} \text{Specifies the system name for the target system.}

Command Responses

NFCRTFCL /DELSTD returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Fully qualified path missing</td>
</tr>
<tr>
<td>201</td>
<td>Fully qualified path invalid</td>
</tr>
<tr>
<td>202</td>
<td>File name (without path) missing</td>
</tr>
<tr>
<td>203</td>
<td>File name (without path) invalid</td>
</tr>
<tr>
<td>204</td>
<td>Severity missing</td>
</tr>
<tr>
<td>205</td>
<td>Severity invalid</td>
</tr>
<tr>
<td>206</td>
<td>Severity out of range</td>
</tr>
</tbody>
</table>
NFCRTFCL /SETSYS

Syntax

```
NFCRTFCL -/SETSYS:filename_without_path-/SEV:x

/NTFY:enabled/disabled  /LOCALNTFY:enabled/disabled

/N:netpath  /S:"sysname"
```

Purpose of Command

This command adds a new system file to be monitored or changes the alert severity of a system file already being monitored.

Parameter Descriptions

- `/N` Specifies the network path to the target system.
- `/S` Specifies the system name for the target system.
- `/NTFY` Specifies the notify state in respect to the managing system (ENABLED or DISABLED).
- `/LOCALNTFY` Specifies the notify state for local system notification (ENABLED or DISABLED).
- `/SETSYS` Specifies the name of the file to be added to the monitored list or to have its code changed. Specify only the file name; do not include the path.
- `/SEV` Specifies the severity of the alert to be generated (0-7).

Command Responses

NFCRTFCL /SETSYS returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>File name (without path) missing</td>
</tr>
<tr>
<td>203</td>
<td>File name (without path) invalid</td>
</tr>
</tbody>
</table>
NFCRTFCL /SETSYS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>Severity missing</td>
</tr>
<tr>
<td>205</td>
<td>Severity invalid</td>
</tr>
<tr>
<td>206</td>
<td>Severity out of range</td>
</tr>
</tbody>
</table>
NFCRTFCL /SETSTD

Syntax

```
NFCRTFCL /SETSTD:fully_qualified_path/SEV:x
/NTFY:enabled/disabled
/LONALNTFY:enabled/disabled
/N:netpath /S:"sysname"
```

Purpose of Command

This command adds a new standard file to be monitored or changes the alert severity of a standard file already being monitored.

Parameter Descriptions

/N  Specifies the network path to the target system.
/S  Specifies the system name for the target system.
/NTFY  Specifies the notify state in respect to the managing system (ENABLED or DISABLED).
/LONALNTFY  Specifies the notify state for local system notification (ENABLED or DISABLED).
/SETSTD  Specifies the name and fully qualified path of the file to be added to the monitored list or to have its code changed.
/SEV  Specifies the severity of the alert to be generated (0-7).

Command Responses

NFCRTFCL /SETSTD returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>File name (without path) missing</td>
</tr>
<tr>
<td>203</td>
<td>File name (without path) invalid</td>
</tr>
</tbody>
</table>
NFCRTFCL /SETSTD

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>204</td>
<td>Severity missing</td>
</tr>
<tr>
<td>205</td>
<td>Severity invalid</td>
</tr>
<tr>
<td>206</td>
<td>Severity out of range</td>
</tr>
</tbody>
</table>
Process Manager CLI (NFPROCCL)

Information on the Netfinity Process Manager command-line tool NFPROCCL follows.
NFPROCCL /?

NFPROCCL /?

Syntax

NFPROCCL /?

Purpose of Command
This command displays help for the NFPROCCL command.
NFPROCCL /GETPROC

Syntax

NFPROCCL /GETPROC /N:netpath /S:"sysname"

Purpose of Command
This command lists the current process information.

Parameter Descriptions
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
The output for each active process specified by NFPROCCL
/GETPROC appears as follows:

{ PROCESS_ID=0xNNNNNNNN, EXENAME="name", CMDLINE="cmd line", THREADS=numthrds, FILES=numfiles, PARENT_ID=0xNNNNNNNN, SESSION_ID=0xNNNNNNNN, USER_ID="user_id", PRIORITY=prio, START_TIME=timedate, EXEVER="version", EXEDATE=date, EXEDESC="description", other }

where:

- PROCESS_ID value is a hexadecimal number for the process ID.
- EXENAME value is a process name string.
- CMDLINE value is an operating-system-specific command line string.
- THREADS value is an operating-system-specific integer thread count.
- FILES value is an operating-system-specific integer open file count.
- PARENT_ID value is a hexadecimal number for the parent process ID.
- SESSION_ID value is an operating-system-specific hexadecimal number for the session ID.
- USER_ID value is an operating-system-specific user-ID string.
NFPROCCL /GETPROC

- PRIORITY value is an operating-system-specific keyword specifying process priority such as:
  - IDLE
  - LOW
  - BACKGROUND
  - NORMAL
  - FOREGROUND
  - HIGH
  - SERVER
  - TIMECRIT
  - REALTIME
- START_TIME value is an operating-system-specific time stamp for the process start time.
- EXEVER value is an operating-system-specific executable version string.
- EXEDATE value is an operating-system-specific time stamp for the executable file.
- EXEDESC value is an operating-system-specific executable description string.

NFPROCCL /GETPROC returns the following tool-specific codes:

Return Code Description
200 Process monitor tag or name not valid
200 Process monitor tag or name not valid
201 Run command failed
NFPROCCL /RUNCMD

NFPROCCL /RUNCMD

Syntax

\[ \text{NFPROCCL} \rightarrow /\text{RUNCMD:} "\text{command string}" \quad /\text{N:} \text{netpath} \]

\[ \quad /\text{S:} "\text{sysname}" \]

Purpose of Command

This command runs the requested command.

Parameter Descriptions

/RUNCMD \hspace{1cm} Specifies the command to be run on the target system.
/N \hspace{1cm} Specifies the network path to the target system.
/S \hspace{1cm} Specifies the system name for the target system.

Command Responses

NFPROCCL /RUNCMD returns the following tool-specific codes:

Return Code Description

200 \hspace{1cm} Process monitor tag or name not valid
200 \hspace{1cm} Process monitor tag or name not valid
201 \hspace{1cm} Run command failed
NFPROCCL /LISTMON

Syntax

```
NFPROCCL /LISTMON /ALL /PROCNAME:"name" /TAG:process alerts
```

```
/N:netpath /S:"sysname"
```

Purpose of Command

This command lists the process monitors.

Parameter Descriptions

/ALL          Selects all process monitors.

/PROCNAME    Selects process monitors with the specified name.

/N            Specifies the network path to the target system.

/S            Specifies the system name for the target system.

/TAG          Selects process monitors with the given tag.

Command Responses

The output for each selected process monitor specified by NFPROCCL /LISTMON appears as follows:

```
{ TAG=0xNNNNNNNNN, PROCNAME="process name", SEV=severity, ONSTART=enable, ONSTOP=enable, ONNORUN=time, NOTIFY=("path",...), others }
```

where:

- TAG value is a hexadecimal unique identifier.
- PROCNAME value is a process name string.
- SEV value is an alert integer with a severity level of 0 to 7.
- ONSTART value is either enabled or disabled.
- ONSTOP value is either enabled or disabled.
- ONNORUN value is either the integer time, in minutes, or disabled.
• NOTIFY value is a bracketed list of notify path strings. *Local* is the local system.

NFPROCCL /LISTMON can issue the following tool-specific codes:

**Return Code** | **Description**
--- | ---
200 | Process monitor tag or name not valid
200 | Process monitor tag or name not valid
201 | Run command failed
## NFPROCCL /ADDMON

### Syntax

```
NFPROCCL /ADDMON: "process name" /SEV: severity
```

- `/ONSTART: enabled/disabled`
- `/ONSTOP: enabled/disabled`
- `/ONNORUN: time`
- `/ADDNOTIFY: path`
- `/N: netpath`
- `/S: "sysname"`

### Purpose of Command

This command adds a new process alert.

### Parameter Descriptions

- **ADDNOTIFY**
  Specifies the optional network path for alert notification. *Local* is the local system. *Here* is the alias for the manager's system (local to NFPROCCL). Multiples are supported.

- **ONNORUN**
  An optional parameter which is either an integer time in minutes or is disabled. The default is *disabled*.

- **ONSTART**
  An optional parameter which is either enabled or disabled. The default is *disabled*.

- **ONSTOP**
  An optional parameter which is either enabled or disabled. The default is *disabled*.

- **N**
  Specifies the network path to the target system.

- **S**
  Specifies the system name for the target system.

- **SEV**
  Specifies the severity of the alert to be generated (0–7).
NFPROCCL /ADDMON

Command Responses
The output for the new process alert specified by NFPROCCL /ADDMON appears as follows:

TAG=0xNNNNNNNNN

where TAG is a unique tag for the new process monitor.

NFPROCCL /ADDMON can issue the following tool-specific return codes:

Return Code Description
200 Process monitor tag or name not valid
201 Run command failed
NFPROCCL /DELMON

Syntax

```
NFPROCCL /DELMON ── /ALL ── /PROCNAME:"name" ── /TAG:process alerts ── /N:netpath ── /S:"sysname"
```

Purpose of Command
This command deletes all of the process monitors specified.

Parameter Descriptions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ALL</td>
<td>Selects all process monitors.</td>
</tr>
<tr>
<td>/PROCNAME</td>
<td>Selects process monitors with the specified name.</td>
</tr>
<tr>
<td>/N</td>
<td>Specifies the network path to the target system.</td>
</tr>
<tr>
<td>/S</td>
<td>Specifies the system name for the target system.</td>
</tr>
<tr>
<td>/TAG</td>
<td>Selects process monitors with the given tag.</td>
</tr>
</tbody>
</table>

Command Responses
The output for the monitors specified by NFPROCCL /DELMON appears as follows:

```
TAG=0xNNNNNNNN
```

where TAG is a unique tag for the deleted process monitor.

NFPROCCL /DELMON can issue the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Process monitor tag or name not valid</td>
</tr>
<tr>
<td>201</td>
<td>Run command failed</td>
</tr>
</tbody>
</table>
NFPROCCL /EDITMON

Syntax

```
NFPROCCL /EDITMON
   /ALL
   /PROCNAME:"name"
   /TAG:process alerts
   /NEWNAME:"name"
   /SEV:severity
   /ONSTART:enabled/disabled
   /ONSTOP:enabled/disabled
   /ONNORUN:time
   /ADDNOTIFY:path
   /DELNOTIFY:path
   /N:netpath
   /S:"sysname"
```

Purpose of Command
This command edits the selected process monitors.

Parameter Descriptions

/ADDNOTIFY  Defines the network path for alert notification. This value is optional. Multiples of this value are supported. Local is the local system and here is an alias for the manager's system (local to NFPROCCL).

/ALL        Selects all process monitors.

/DELNOTIFY  Defines the network path for alert notification. This value is optional. Multiples of this value are supported. Local is the local system and here is an alias for the manager's system (local to NFPROCCL).

/N          Specifies the network path to the target system.

/NEWNAME    Defines the name of the new process.

/ONNORUN    An optional parameter which is either an integer time in minutes or is disabled. The default is disabled.
**NFPROCCL /EDITMON**

/ONSTART  
An optional parameter which is either enabled or disabled. The default is disabled.

/ONSTOP  
An optional parameter which is either enabled or disabled. The default is disabled.

/PROCNAME  
Select process monitors with the specified name.

/S  
Specifies the system name for the target system.

/SEV  
Defines severity.

/TAG  
Selects process monitors with the given tag.

**Command Responses**

The output for each selected process monitor being edited is as follows:

TAG=0xNNNNNNNN

where TAG is a unique tag for each edited process monitor.

NFPROCCL can issue the following tool-specific return codes:

**Return Code Description**

200  
Process monitor tag or name not valid

201  
Run command failed
System Profile CLI (NFPROFCL)

Information on the Netfinity System Profile command-line tool NFPROFCL follows.
NFPROFCL /?

NFPROFCL /?

Syntax

```
NFPROFCL /?
```

Purpose of Command
This command displays command line help for NFPROFCL.
NFPROFCL /GETALL

Syntax

NFPROFCL /GETALL

Purpose of Command
This command retrieves all the attributes and their values from the system profile.

Command Responses
The output for each attribute appears as follows:

attrib="value"

where:

- attrib is the name of the attribute (one for each attribute contained in the System Profile).
- value is the string, date, or time.

NFPROFCL /GETALL returns the following tool-specific return codes:

Return Code Description
200 Attribute missing
201 Attribute invalid
202 Value missing
203 Value invalid
204 Input file missing
205 Input file format error
206 Date format error
207 Date invalid
208 Date out-of-range
209 Time format error
**NFPROFCL /GETALL**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>Time invalid</td>
</tr>
<tr>
<td>211</td>
<td>Time out-of-range</td>
</tr>
</tbody>
</table>
NFPROFCL /GET

Syntax

```
NFPROFCL /GET:attribute /N:netpath /S:"sysname"
```

Purpose of Command
This command retrieves the specified attribute and its value.

Parameter Descriptions
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
The output for each attribute appears as follows:
```
attrib="value"
```

where:
- `attrib` is the name of the attribute (one for each attribute contained in the System Profile).
- `value` is the string, date, or time.

NFPROFCL /GET returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Attribute missing</td>
</tr>
<tr>
<td>201</td>
<td>Attribute invalid</td>
</tr>
<tr>
<td>202</td>
<td>Value missing</td>
</tr>
<tr>
<td>203</td>
<td>Value invalid</td>
</tr>
<tr>
<td>204</td>
<td>Input file missing</td>
</tr>
<tr>
<td>205</td>
<td>Input file format error</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>206</td>
<td>Date format error</td>
</tr>
<tr>
<td>207</td>
<td>Date invalid</td>
</tr>
<tr>
<td>208</td>
<td>Date out-of-range</td>
</tr>
<tr>
<td>209</td>
<td>Time format error</td>
</tr>
<tr>
<td>210</td>
<td>Time invalid</td>
</tr>
<tr>
<td>211</td>
<td>Time out-of-range</td>
</tr>
</tbody>
</table>
NFPROFCL /SET

Syntax

```
NFPROFCL /SET:attribute /SETVAL:value
/N:netpath /S:"sysname"
```

Purpose of Command
This command sets the specified attribute to the specified value.

Parameter Descriptions
/N  Specifies the network path to the target system.
/S  Specifies the system name for the target system.
/SETVAL  Sets the attribute to the specified value. The value can have a maximum of 32 characters. Any characters beyond 32 will be truncated.

Command Responses
NFPROFCL /SET returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Attribute missing</td>
</tr>
<tr>
<td>201</td>
<td>Attribute invalid</td>
</tr>
<tr>
<td>202</td>
<td>Value missing</td>
</tr>
<tr>
<td>203</td>
<td>Value invalid</td>
</tr>
<tr>
<td>204</td>
<td>Input file missing</td>
</tr>
<tr>
<td>205</td>
<td>Input file format error</td>
</tr>
<tr>
<td>206</td>
<td>Date format error</td>
</tr>
<tr>
<td>207</td>
<td>Date invalid</td>
</tr>
<tr>
<td>208</td>
<td>Date out-of-range</td>
</tr>
<tr>
<td>209</td>
<td>Time format error</td>
</tr>
</tbody>
</table>
NFPROFCL /SET

210 Time invalid
211 Time out-of-range
NFPROFCL /SETMANY

Syntax

```
NFPROFCL /SETMANY ──/INPUT:file_name ──/N:netpath
 │                  ┌/S:"sysname"┐
```

Purpose of Command

This command sets multiple attributes to the values specified in the input file.

Parameter Descriptions

/INPUT Specifies the name of the input file. The input file must be formatted with one line for each attribute as `attrib="value."`. The value can have a maximum of 32 characters. Any characters beyond 32 will be truncated.

/N Specifies the network path to the target system.

/S Specifies the system name for the target system.

Command Responses

NFPROFCL /SET returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Attribute missing</td>
</tr>
<tr>
<td>201</td>
<td>Attribute invalid</td>
</tr>
<tr>
<td>202</td>
<td>Value missing</td>
</tr>
<tr>
<td>203</td>
<td>Value invalid</td>
</tr>
<tr>
<td>204</td>
<td>Input file missing</td>
</tr>
<tr>
<td>205</td>
<td>Input file format error</td>
</tr>
<tr>
<td>206</td>
<td>Date format error</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
</tr>
<tr>
<td>207</td>
<td>Date invalid</td>
</tr>
<tr>
<td>208</td>
<td>Date out-of-range</td>
</tr>
<tr>
<td>209</td>
<td>Time format error</td>
</tr>
<tr>
<td>210</td>
<td>Time invalid</td>
</tr>
<tr>
<td>211</td>
<td>Time out-of-range</td>
</tr>
</tbody>
</table>
Service Configuration Manager CLI (NFREPLCL)

Information on the Netfinity Service Configuration Manager command-line tool NFREPLCL follows.
NFREPLCL /?

NFREPLCL /?

Syntax

NFREPLCL /?

Purpose of Command
This command displays command line help for NFREPLCL.
NFREPLCL /LISTFILES

Syntax

```
NFREPLCL /LISTFILES /N:netpath /S:"sysname"
```

Purpose of Command

This command shows all configuration files for the service configuration manager.

Parameter Descriptions

- `/N` Specifies the network path to the target system.
- `/S` Specifies the system name for the target system.

Command Responses

The output for each group specified by NFREPLCL /LISTFILES appears as follows:

```
{ FILE="filename_from_SCF-dir", DESC="description of file"}
```

where:

- FILE is the full name of the SCF file.
- DESC is the description of the SCF file.

NFREPLCL /LISTFILES returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally, this would be a service name that was specified incorrectly or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /LISTREMOTES

Syntax
```
NFREPLCL /LISTREMOTES /N:netpath /S:"sysname"
```

Purpose of Command
This command shows available remote systems.

Parameter Descriptions
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
The output for each group specified by NFREPLCL/LISTREMOTES appears as follows:
```
{ NAME="system name", PATH="system netpath," 
```
where:
- NAME is the name of the remote system.
- PATH is Netfinity network path used to connect with the remote system (for example, NETBIOS::MYSYSTEM).

NFREPLCL /LISTREMOTES returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /LISTSERVICES

Syntax

```
NFSECL -/LISTSERVICES -/N:netpath -/S:"sysname" 
```

Purpose of Command
This command shows the services available to save.

Parameter Descriptions

- **/N** Specifies the network path to the target system.
- **/S** Specifies the system name for the target system.

Command Responses
The output for each group specified by NFREPLCL /LISTSERVICES appears as follows:
```
{ NAME="service name" SERVICE="service" }
```
where:

- **NAME** is the full name of the service (for example, "Critical File Monitor").
- **SERVICE** is the service ID used by Netfinity to identify the service (for example, "CFMBase").

NFREPLCL /LISTSERVICES returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /SHOW

NFREPLCL /SHOW

Syntax

```
/SHOW:filename_from_SCF_dir /N:netpath
/S:"sysname"
```

Purpose of Command

This command is a summary of the contents of the configuration file.

Parameter Descriptions

/N Specifies the network path to the target system.
/S Specifies the system name for the target system.
/SHOW Summarizes the contents of the configuration file.

Command Responses

The output for each group specified by NFREPLCL /SHOW appears as follows:

```
{ SERVICE="name",DESC='description", SYSTEM="sys_name", DATE="time and date", SUBSETS={{NAME="name_of_subset", ID=NNN, RECORDS={{REC=NNN.NNN, DESC="description of record"}, ...}}, ...}}.
```

where:

- SERVICE is the full name of the Netfinity service.
- DESC is the description of the SCF file.
- SYSTEM is the name of the system that the configuration was gathered from.
- DATE is the time and date when the configuration was saved.
- NAME is the name of the subset of configuration records.
- RECORDS contains all configuration record subsets with ID, REC, and DESC values.
  - ID="NNN" is the 0-index number of the subset.
NFREPLCL /SHOW

- REC="NNN.NNN" is the 0-index number of the subset followed by a period and the 0-index number of the record in the subset.
- DESC is a description of the record subset.

NFREPLCL /SHOW returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally, this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /PRUNE

NFREPLCL /PRUNE

Syntax

NFREPLCL /PRUNE: filename_from_SCF_dir /REC: NNN.NNN ...

/N: netpath  /S: "sysname"

Purpose of Command

This command prunes the listed record from the file.

Parameter Descriptions

/N  Specifies the network path to the target system.

/PRUNE  Specifies the file to be pruned from the configuration file.

/REC  Shows the record number of the file to be pruned. REC is the 0-index number of the subset followed by a period and the 0-index number of the record in the subset.

/S  Specifies the system name for the target system.

Command Responses

NFREPLCL /PRUNE returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally, this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /DELETE

Syntax

```
NFREPLCL /DELETE:filename_from_SCF_dir /N:netpath
```

Purpose of Command

This command deleted the listed record from the file.

Parameter Descriptions

- **/DELETE**: Specifies the file to be deleted from the configuration file.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.

Command Responses

NFREPLCL /DELETE returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally, this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /SAVE

NFREPLCL /SAVE

Syntax

```
NFREPLCL /SAVE:filename--SERVICE:service--REMOTE:netpath

/SYSTEM:system_name--/DESC:description

/S:"sysname"
```

Purpose of Command
This command saves the listed service from the system to the file.

Parameter Descriptions

- **/DESC**: Specifies the description to give to the file.
- **/N**: Specifies the network path to the target system.
- **/REMOTE**: Specifies the path to the remote system.
- **/S**: Specifies the system name for the target system.
- **/SAVE**: Specifies the name of the file to go into the SCF directory.
- **/SERVICE**: Specifies the service file to be saved from the system to the file, where SERVICE refers to the Netfinity name of the services (for example, "Alert Mgr").
- **/SYSNAME**: Specifies the name of the remote system.

Command Responses
NFREPLCL /SAVE returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally, this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
NFREPLCL /RESTORE

Syntax

```
NFREPLCL /RESTORE:filename /REMOTE:netpath /CLEAN

/N:netpath /S:"sysname"
```

Purpose of Command

This command restores the service from the file to the system.

Parameter Descriptions

- `/CLEAN` Deletes the old configuration before restoring the service from the file to the system.
- `/N` Specifies the network path to the target system.
- `/REMOTE` Specifies the path to the remote system to be used to restore the service.
- `/RESTORE` Specifies the name of the file from the SCF directory to be restored.
- `/S` Specifies the system name for the target system.

Command Responses

NFREPLCL /RESTORE returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Means of dealing with service configuration not found. Generally, this would be a service name that was incorrectly specified or a missing SCF*.DLL.</td>
</tr>
</tbody>
</table>
Remote System Manager CLI (NFRSYSCL)

Information on the Netfinity Remote System Manager command-line tool NFRSYSCL follows.
NFRSYSCL /?

Syntax

NFRSYSCL —/?

Purpose of Command
This command displays command-line help for NFRSYSCL.
NFRSYSCL /GETGRP

Syntax

```
NFRSYSCL /GETGRP ── /ALL ── /GRP:"groupname" ── /N:netpath
    ── /GRPTAG:grouphex

/N:sysname```

Purpose of Command

This command lists the attributes of selected system groups.

Parameter Descriptions

- **/ALL**: Lists the attributes of all groups.
- **/GRP**: Specifies the name of a group to select.
- **/GRPTAG**: Specifies the hexadecimal group tag of a group to select.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.

Command Responses

The output for each group specified by NFRSYSCL /GETGRP appears as follows:

```
{ GRPTAG=0xgrouphex, GRPNAME="group_name", COMBO=keycode, KWD={ keyword, ... }, OS_MASK={os, ...}, AUTODISC=minutes, PROTO_MASK={protocol, ...}, DEFONLN=online_not, DEFOFFLN=offline_not, DEFPING=ping_int }
```

where:

- GRPTAG value is a hexadecimal identifier for the group.
- GRPNAME value is a string name for the group.
- COMBO value is the keyword combination code (possible values are ALL, ANY, ONE).
- KWD value is a bracketed list of string keyword values.
• **OS_MASK** value is a bracketed list of operating system types to exclude from discovery (possible values are OS2, WINDOWS, NETWARE, WINDOWS_NT, AIX, VINES, DOS, UNIX, OS_400, WINDOWS_95).

• **PROTO_MASK** value is a bracketed list of protocol types to exclude from discovery (possible values are NETBIOS, TCPIP, IPX, SERIPC, SNA).

• **AUTODISC** value is the number of minutes between each auto discovery (NONE if auto discovery is not enabled. This attribute is not returned on managers that do not support auto discovery)

• **DEFONLN** value is the default online notification severity (possible values are 0–7, DISABLED, or NONE)

• **DEFOFFLN** value is the default offline notification severity (possible values are 0–7, DISABLED, or NONE)

• **DEFPING** value is the default ping interval in seconds (possible values are 15 or higher, or NONE).

**NFRSYSCL /GETGRP** returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /GETSYS

Syntax

```
NFRSYSCL /GETSYS ── /ALL ── /GRP:"groupname" ── /GRPTAG:grouphex ── /SYS:"sysname" ── /SYSTAG:select system ── /N:netpath ── /S:"sysname" ──
```

Purpose of Command

This command lists the system attributes of selected systems.

Parameter Descriptions

- **/ALL**: Lists the system attributes of all systems.
- **/GRP**: Specifies the group name of the systems to select.
- **/GRPTAG**: Specifies the hexadecimal group tag of the systems to select.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.
- **/SYS**: Specifies the name of a system to select.
- **/SYSTAG**: Specifies the hexadecimal system tag of a system to select.

Command Responses

The output for each system specified by NFRSYSCL /GETSYS appears as follows:

```
{ SYSTAG=0xgrouphex, SYSNAME="sys_name", PROTO=protocol, ADDR=address, ONLINE=status, ONLN=on_notify, OFFLN=off_notify, PING=ping_int, GRPLIST={ grp_tags, ... }, ERRORCOND={ "error", ... }, OS=os, OSVER=version, MANAGER, SERVER, MAC=mac_addr, SHUTDOWN, POWERDOWN, WAKEONLAN, WEBMGR, UNIQUE_ID=id_value }
```
NFRSYSCL /GETSYS

where:

- **SYSTAG** value is a hexadecimal identifier for the system.
- **SYSNAME** value is the string name for the system.
- **PROTO** value is the protocol used to communicate with the system (possible values include NETBIOS, TCPIP, IPX, SERIPC, SNA, and others).
- **ADDR** value is the textual address of system used by the protocol.
- **ONLINE** value is TRUE if system is online, FALSE if offline.
- **ONLN** value is severity of online notification alert (possible values are 0–7 or DISABLED if not enabled).
- **OFFLN** value is the severity of the offline notification alert (possible values are 0–7 or DISABLED if not enabled).
- **PING** value is seconds between system pings (possible values are 15 or higher).
- **GRPLIST** value is a bracketed list of hex tag values for groups of which system is member.
- **ERRORCODE** value is a bracketed list of “strings” for each error condition currently defined for the system.
- **OS** value is type of operating system on the system (possible values are UNKNOWN, OS2, WINDOWS, NETWARE, WINDOWS_NT, AIX, VINES, DOS, UNIX, OS_400, and WINDOWS_95).
- **OSVER** value is the version of the operating system of the system.
- **MANAGER** keyword is present if the specified system is a Netfinity manager.
- **SERVER** keyword is present if the specified system is a server or running server software.
- **MAC** value is a hexadecimal number for the system’s MAC address or UNKNOWN if not known.
- **SHUTDOWN** keyword is present if the specified system supports remote shutdown.
- **POWERDOWN** keyword is present if the specified system supports remote powerdown.
- **WAKEONLAN** keyword is present if the specified system supports remote Wake on LAN.
- **WEBMGR** keyword is present if Netfinity Web manager is active on the system.
NFRSYSCL /GETSYS

- UNIQUE_ID value, if present, indicates a 16-digit hexadecimal value provided by the client as a unique system ID (the same system appearing under different protocols will have the same UNIQUE_ID value).

NFRSYSCL /GETSYS returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /RUNSYS

Syntax

```
NFRSYSCL /RUNSYS ── /SYS:"sysname" ── /GRP:"groupname" ── /GRPTAG:grouphex ── /ALL ── /SYSTAG:select system ── /N:netpath ── /S:"sysname"
```

Purpose of Command

This command runs a specified Netfinity Command Line tool on all specified systems.

Parameter Descriptions

- **/ACTION**: Specifies the Netfinity command-line tool to run.
- **/ALL**: Specifies that the tool be run on all systems.
- **/GRP**: Specifies the name of the system group on which the tool is to be run.
- **/GRPTAG**: Specifies the hexadecimal group tag of the system group on which the tool is to be run.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.
- **/SYS**: Specifies the name of the system on which the tool is to be run.
- **/SYSTAG**: Specifies the hexadecimal system tag of the system on which the tool is to be run.

Command Responses

The output for NFRSYSCL /RUNSYS for each specified system appears as follows:
NFRSYSCL /RUNSYS

{ SYSTAG=0xgrouphex, SYSNAME="system name", PROTO=protocol, ADDR=address, ONLINE=status, OUTPUT={ action output }, RC=ret_code, others }

where:

- SYSTAG value is a hexadecimal identifier for the system.
- SYSNAME value is a string name for the system.
- PROTO value is the protocol used to communicate with the system (possible values include NETBIOS, TCPIP, IPX, SERIPC, SNA, others)
- ADDR value is the textual address of system on PROTO protocol.
- ONLINE value is TRUE if the system is online and FALSE if offline.
- OUTPUT value is the bracketed output from the running tool selected by ACTION against a given system (output is dependent on the Netfinity command-line interface executed).
- RC value is the return code returned by the running tool specified by ACTION against the specified system.

Note: This operation only supports running other Netfinity Manager command-line interface executables which conform to the specifications detailed in this book. It is not for running programs on the targeted systems. See NFPROCCL for remote task execution.

NFRSYSCL /RUNSYS returns the following tool-specific return codes:

Return Code Description
200 Group name not defined
201 System name not defined
202 Group tag not defined
203 System tag not defined
204 Invalid OS type
205 Invalid protocol type
206 Invalid ping interval
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /DELSYS

NFRSYSCL /DELSYS

Syntax

```
NFRSYSCL /DELSYS /ALL /GRP:"groupname" /GRPTAG:grouphex /SYS:"sysname" /SYSTAG:select system
```

Purpose of Command
This command deletes all specified systems.

Parameter Descriptions

- **/ALL**: Selects all systems.
- **/GRP**: Specifies the group name of the systems to delete.
- **/GRPTAG**: Specifies the hexadecimal group tag of the systems to delete.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.
- **/SYS**: Specifies the system name of the system to delete.
- **/SYSTAG**: Specifies the hexadecimal system tag of the system to delete.

Command Responses
The output for NFRSYSCL /DELSYS for each specified system appears as follows:

```
SYSTAG=0xgrouphex
```

where `grouphex` is the hexadecimal tag for the deleted system.

NFRSYSCL /DELSYS returns the following tool-specific return codes:
Return Code Description
200     Group name not defined
201     System name not defined
202     Group tag not defined
203     System tag not defined
204     Invalid operating system type
205     Invalid protocol type
206     Invalid ping interval
207     Invalid notification severity
208     Invalid auto discovery interval
NFRSYSCL /ADDSYS

Syntax

```
NFRSYSCL /ADDSYS:"systemname" /PROTO:protocol
/ADDR:address /ONLN:online_sev
/OFFLN:offline_sev /PING:ping_int
/ADDSYS:"group name" /ADDSYS:"group_tag"
/N:netpath /S:"sysname"
```

Purpose of Command
This command adds a new Netfinity system with the given attributes.

Parameter Descriptions

/ADDGRP   Specifies the name of the group to which the system will be added.

/ADDGRPTAG Specifies the hexadecimal tag of the group to which the system will be added.

/ADDR     Specifies the protocol-specific address of the system to be added.

/ADDSYS   Specifies the name of the system to be added.

/N        Specifies the network path to the target system.

/OFFLN    Specifies the offline notification alert severity. Valid values are 0–7 and DISABLED (the default).

/ONLN      Specifies the online notification alert severity. Valid values are 0–7 and DISABLED (the default).

/PING      Specifies the ping interval for the target system in seconds. The default is 600 seconds.
NFRSYSCL /ADDSYS

/PROTO    Specifies the communications protocol that is used to communicate with the system to be added. Values include NETBIOS, IPX, TCP/IP, SERIPC, and SNA.
/S        Specifies the system name for the target system.

Command Responses
The output for NFRSYSCL /ADDSYS appears as follows:
SYSTAG=0xgrouphex

where grouphex is the hexadecimal tag assigned to the new system.

NFRSYSCL /ADDSYS returns the following tool-specific return codes:

Return Code Description
200       Group name not defined
201       System name not defined
202       Group tag not defined
203       System tag not defined
204       Invalid operating system type
205       Invalid protocol type
206       Invalid ping interval
207       Invalid notification severity
208       Invalid auto discovery interval
NFRSYSCL /EDITSYS

Syntax

```
NFRSYSCL /EDITSYS /ALL /GRP:"groupname" /GRPTAG:grouphex /SYS:"sysname" /SYSTAG:select system
```

```
/PROTO:protocol /ADDR:address /ONLN:online_sev /OFFLN:offline_sev /PING:ping_int /NEWNAME:"name"
```

```
/ADDGRP:"group name" /ADDGRPTAG:group_tag
```

```
/DELGRP:"group name" /DELGRPTAG:group_tag
```

```
/N:netpath /S:"sysname"
```

Purpose of Command
This command modifies the attributes of a Netfinity system.

Parameter Descriptions

/ADDGRP Specifies the name of a new group to which the system will be added. You can specify more than one  group_name.

/ADDGRPTAG Specifies the hexadecimal tag of a new group to which the system will be added. You can specify more than one  group_tag.

/ADDR Specifies a new protocol-specific address for the system.

/ALL Selects all systems.
NFRSYSCL /EDITSYS

/DELP GR  Specifies the name of a group from which the system will be removed. You can specify more than one group_name.

/DELGRP  Specifies the hexadecimal tag of a group from which the system will be removed. You can specify more than one group_tag.

/GRP  Specifies the group name of the systems to be modified.

/GRPTAG  Specifies the hexadecimal group number of the systems to be modified.

/N  Specifies the network path to the target system.

/NEWNAME  Specifies a new name for the system.

/OFFLN  Specifies a new offline notification alert severity. Valid values are 0–7 and DISABLED (the default).

/ONLN  Specifies a new online notification alert severity. Valid values are 0–7 and DISABLED (the default).

/PING  Specifies a new ping interval for the specified system in seconds. The default is 600 seconds.

/PROTO  Specifies a new communications protocol that is to be used to communicate with the system. Values include NETBIOS, IPX, TCP/IP, SERIPC, and SNA.

/S  Specifies the system name for the target system.

/SYS  Specifies the system name of the system to be modified.

/SYSTAG  Specifies the hexadecimal group tag of the system to be modified.

Command Responses
The output for NFRSYSCL /EDITSYS appears as follows:
SYSTAG=0xgrouphex
where \textit{grouphex} is the hexadecimal tag assigned to the modified system.

NFRSYSCL /EDITSYS returns the following tool-specific return codes:

\begin{tabular}{|c|l|}
\hline
\textbf{Return Code} & \textbf{Description} \\
\hline
200 & Group name not defined \\
201 & System name not defined \\
202 & Group tag not defined \\
203 & System tag not defined \\
204 & Invalid operating system type \\
205 & Invalid protocol type \\
206 & Invalid ping interval \\
207 & Invalid notification severity \\
208 & Invalid auto discovery interval \\
\hline
\end{tabular}
NFRSYSCL /DELGROUP

Syntax

\[
\begin{align*}
\text{NFRSYSCL} & \ - \ /DELGROUP \ - \ /\text{ALL} \ - \ /\text{GRP:"groupname"} \ - \ /\text{N:netpath} \\
& \ - \ /\text{GRPTAG:"grouphex"} \ - \ /\text{S:"sysname"} \\
\end{align*}
\]

Purpose of Command
This command deletes a Netfinity group with the specified attributes.

Parameter Descriptions

/ALL  Selects all groups.

/GRP   Specifies the group name of the group to delete.

/GRPTAG   Specifies the hexadecimal group tag of the group to delete.

/N   Specifies the network path to the target system.

/S   Specifies the system name for the target system.

Command Responses
The output for each group specified by NFRSYSCL /DELGROUP appears as follows:

GRPTAG=0xgrouphex

where grouphex is the hexadecimal tag assigned to the deleted group.

NFRSYSCL /DELGROUP returns the following tool-specific return codes:

Return Code Description

200   Group name not defined
NFRSYSCL /DELGROUP

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
**NFRSYSCL /AD DGROUP**

**Syntax**

```
NFRSYSCL /AD DGROUP: "groupname"
```

```
/COMBO:combo_code ── ALL ── ANY ── ONE
/ADDKWD:kwd ──

/ADDOS:os_type ── /ADDPROTO:protocol ──

/AUTODISC:interval ── /DEFONLN:online_not ──

/DEFOFFLN:offline_not ── /DEFPING:ping_int ──

/N:netpath ── /S:"sysname"
```

**Purpose of Command**

This command creates a new Netfinity group with the specified attributes.

**Parameter Descriptions**

- **/AD DGROUP** Specifies the name for the new group.
- **/ADDKWD** Adds the specified keyword to the new group.
- **/ADDOS** Specifies an operating system that is added to the group's discovery exclusion list.
- **/ADDPROTO** Specifies a communications protocol that is added to the group's discovery exclusion list.
- **/AUTODISC** Specifies the number of minutes allowed between auto discovery (the default value is NONE).
- **/COMBO** Specifies the group's keyword combination code (ALL, ANY, ONE).
- **/DEFOFFLN** Specifies the default offline notify alert severity. Available values are 0–7, DISABLED, and NONE. The default value is NONE.
NFRSYSCL /ADDGROUP

/DEFONLN    Specifies the default online notify alert severity. Available values are 0–7, DISABLED, and NONE. The default value is NONE.

/DEFPING    Specifies the number of seconds allowed between system pings. Available values are 15 or higher and NONE. The default is NONE.

/N        Specifies the network path to the target system.

/S        Specifies the system name for the target system.

Command Responses
The output for each group created by NFRSYSCL /ADDGROUP appears as follows:
GRPTAG=0xgrouphex

where grouphex is the hexadecimal tag assigned to the group.

NFRSYSCL /ADDGROUP returns the following tool-specific return codes:

Return Code Description
200        Group name not defined
201        System name not defined
202        Group tag not defined
203        System tag not defined
204        Invalid operating system type
205        Invalid protocol type
206        Invalid ping interval
207        Invalid notification severity
208        Invalid auto discovery interval
NFRSYSCL /EDITGRP

Syntax

```
NFRSYSCL /EDITGRP
   /ALL
   /GRP:"groupname"
   /GRPTAG:"grouphex"
```

```
   /COMBO:combo_code
   ALL
   ANY
   ONE
```

```
   /ADDKWD:kwd
   /DELKWD:kwd
   /AUTODISC:interval
```

```
   /DEFONLN:online_not
   /DEFOFFLN:offline_not
```

```
   /DEFPING:pint_int
   /ADDOS:os_type
```

```
   /DELOS:os_type
   /ADDPROTO:protocol
```

```
   /DELPROTO:protocol
   /N:netpath
   /S:"sysname"
```

Purpose of Command
This command modifies a Netfinity group with the specified attributes.

Parameter Descriptions

/ADDKWD Adds the specified keyword to the group.

/ADDOS Specifies an operating system that is added to the group's discovery exclusion list.

/ADDPROTO Specifies a communications protocol that is added to the group's discovery exclusion list.

/AUTODISC Specifies the number of minutes allowed between auto discovery (the default value is NONE).

/COMBO Specifies a new keyword combination code (ALL, ANY, ONE).
NFRSYSCL /EDITGRP

/DEFOFLN Specifies the default offline notify alert severity. Available values are 0–7, DISABLED, and NONE. The default value is NONE.

/DEFONLN Specifies the default online notify alert severity. Available values are 0–7, DISABLED, and NONE. The default value is NONE.

/DEFPING Specifies the number of seconds allowed between system pings. Available values are 15 or higher and NONE. The default value is NONE.

/DELKWD Deletes the specified keyword from the group.

/DELOS Specifies an operating system that is removed from the group’s discovery exclusion list.

/DELPROTO Specifies a communications protocol that is removed from the group’s discovery exclusion list.

/EDITGRP Modifies the selected Netfinity group. /ALL modifies all groups, /GRP specifies the name of a group to modify, /GRPTAG specifies the hexadecimal number of a group to modify.

/N Specifies the network path to the target system.

/NEWNAME Specifies a new name for the group.

/S Specifies the system name for the target system.

Command Responses
The output for each group specified by NFRSYSCL /EDITGRP appears as follows:
GRPTAG=0xgrouphex

where grouphex is the hexadecimal tag assigned to the group.

NFRSYSCL /EDITGRP returns the following tool-specific return codes:
### Return Code Description

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /BOOTSYS

Syntax

```
NFRSYSCL /BOOTSYS /ALL ── /GRP:"groupname" ── /GRPTAG:grouphex ── /SYS:"sysname" ── /SYSTAG:select system
```

Purpose of Command

This command restarts all specified Netfinity systems.

Parameter Descriptions

`/ALL` Selects all systems.

`/GRP` Specifies the group name of the systems to restart.

`/GRPTAG` Specifies the hexadecimal group tag of the systems to restart.

`/N` Specifies the network path to the target system (the system initiating the restart command).

`/S` Specifies the system name for the target system (the system initiating the restart command).

`/SYS` Specifies the systems name to restart.

`/SYSTAG` Specifies the hexadecimal system tag of the system to restart.

Command Responses

The output for each group specified by NFRSYSCL /BOOTSYS appears as follows:

```
{ SYSTAG=0xgrouphex, RC=ret_code }
```

where:

- SYSTAG value is the hexadecimal tag of the system.
NFRSYSCL /BOOTSYS

- RC value is the standard error level for the action on the system.

NFRSYSCL /BOOTSYS returns the following tool-specific return codes:

**Return Code Description**

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /SHUTSYS

Syntax

```
NFRSYSCL ─ /SHUTSYS ── /ALL ──
├┤ ── /GRP:"groupname" ──
├ ┤ ── /GRPTAG:grouphex ──
├ ┤ ── /SYS:"sysname" ──
└ ┘ ── /SYSTAG:select system
└┘ ── /N:netpath ── /S:"sysname"
```

Purpose of Command
This command shuts down all specified Netfinity systems.

Parameter Descriptions

- **/ALL** Selects all systems.
- **/GRP** Specifies the group name of the systems to shut down.
- **/GRPTAG** Specifies the hexadecimal group tag of the systems to shut down.
- **/N** Specifies the network path to the target system (the system initiating the shut down command).
- **/S** Specifies the system name for the target system (the system initiating the shut down command).
- **/SYS** Specifies the name of the system to shut down.
- **/SYSTAG** Specifies the hexadecimal system tag of the system to shut down.

Command Responses
The output for each group specified by NFRSYSCL /SHUTSYS appears as follows:

```
{ SYSTAG=0xgrouphex, RC=ret_code }
```

where
NFRSYSCL /SHUTSYS

- SYSTAG value is the hexadecimal tag of the system.
- RC value is the standard error level for the action on the system.

NFRSYSCL /SHUTSYS returns the following tool-specific return codes:

**Return Code Description**

200  Group name not defined  
201  System name not defined  
202  Group tag not defined  
203  System tag not defined  
204  Invalid operating system type  
205  Invalid protocol type  
206  Invalid ping interval  
207  Invalid notification severity  
208  Invalid auto discovery interval
NFRSYSCL /PWRSYS

Syntax

```
NFRSYSCL — /PWRSYS
  /ALL
  /GRP:"groupname"
  /GRPTAG:grouphex
  /SYS:"sysname"
  /SYSTAG:select system

/N:netpath
/S:"sysname"
```

Purpose of Command

This command powers down all specified Netfinity systems.

Parameter Descriptions

/ALL
Selects all systems.

/GRP
Specifies the group name of the systems to power down.

/GRPTAG
Specifies the hexadecimal group tag of the systems to power down.

/N
Specifies the network path to the target system (the system initiating the power down command).

/S
Specifies the system name for the target system (the system initiating the power down command).

/SYS
Power down systems with the given system names.

/SYSTAG
Power down systems with the given hexadecimal system tags.

Command Responses

The output for each group specified by NFRSYSCL /PWRSYS appears as follows:

```
{ SYSTAG=0xgrouphex, RC=ret_code }
```

where
• SYSTAG value is the hexadecimal tag of the system
• RC value is the standard error level for the action on the system.

NFRSYSCL /PWRSYS returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
**Purpose of Command**
This command enables all specified Netfinity Wake on LAN systems to be powered on remotely by sending the specified systems a specially formatted network packet.

**Parameter Descriptions**
- **/ALL** Selects all systems.
- **/GRP** Specifies the group name for the systems to wake.
- **/GRPTAG** Specifies the hexadecimal group tag for the systems to wake.
- **/N** Specifies the network path to the target system (the system initiating the Wake on LAN command).
- **/S** Specifies the system name for the target system (the system initiating the Wake on LAN command).
- **/SYS** Specifies the name of the system to wake.
- **/SYSTAG** Specifies the hexadecimal system tag for the system to wake.

**Command Responses**
The output for each group specified by NFRSYSCL /WAKESYS appears as follows:

```
{ SYSTAG=0xgrouphex, RC=ret_code }
```
NFRSYSCL /WAKESYS

where

- SYSTAG value is the hexadecimal tag of the system.
- value is the standard error level for the action on the system.

NFRSYSCL /WAKESYS returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /RESETERRSYS

Syntax

```
NFRSYSCL /RESETERRSYS /ALL /GRP:"groupname" /GRPTAG:grouphex /SYS:"sysname" /SYSTAG:select system
```

Purpose of Command
This command resets error conditions on all specified Netfinity systems.

Parameter Descriptions

- **/ALL**
  Selects all systems.

- **/GRP**
  Specifies the group name of the systems to reset.

- **/GRPTAG**
  Specifies the hexadecimal group tag of the systems to reset.

- **/N**
  Specifies the network path to the target system (the system initiating the reset command).

- **/S**
  Specifies the system name for the target system (the system initiating the reset command).

- **/SYS**
  Specifies the system name to select.

- **/SYSTAG**
  Specifies the hexadecimal system tag to select.

Command Responses
The output for each group specified by NFRSYSCL /RESETERRSYS appears as follows:

```
SYSTAG=0xgrouphex
```

where SYSTAG value is the hexadecimal tag of the system.
NFRSYSCL /RESETERRSYS returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
NFRSYSCL /DODISC

Syntax

```
NFRSYSCL ─ /DODISC ── /ALL ── /GRP:"groupname" ── /GRPTAG:grouphex ── /N:netpath ── /S:"sysname"
```

Purpose of Command

This command initiates discovery in all specified system groups.

Parameter Descriptions

- **/ALL**  Selects all groups.
- **/GRP**  Specifies the group name on which to perform discovery.
- **/GRPTAG**  Specifies the hexadecimal group tag of the group on which to perform discovery.
- **/N**  Specifies the network path to the target system.
- **/S**  Specifies the system name for the target system.

Command Responses

The output for each group specified by NFRSYSCL /DODISC appears as follows:

```
GRPTAG=/zerodotx grouphex
```

where GRPTAG value is a hexadecimal identifier for the group.

NFRSYSCL /DODISC returns the following tool-specific return codes:

**Return Code Description**

- **200**  Group name not defined
- **201**  System name not defined
202  Group tag not defined
203  System tag not defined
204  Invalid operating system type
205  Invalid protocol type
206  Invalid ping interval
207  Invalid notification severity
208  Invalid auto discovery interval
NFRSYSCL /DOPING

**Syntax**

```plaintext
```

**Purpose of Command**

This command initiates a presence check on all specified Netfinity systems.

**Parameter Descriptions**

- **/ALL**  
  Selects all systems.

- **/GRP**  
  Specifies the group name of the systems on which to perform a presence check.

- **/GRPTAG**  
  Specifies the hexadecimal group tag of the systems on which to perform a presence check.

- **/N**  
  Specifies the network path to the target system.

- **/S**  
  Specifies the system name for the target system.

- **/SYS**  
  Specifies the system name on which to perform a presence check.

- **/SYSTAG**  
  Specifies the hexadecimal system tag of the system on which to perform a presence check.

**Command Responses**

The output for each system specified by NFRSYSCL /DOPING appears as follows:

```
SYSTAG=0x<grouphex>
```

where SYSTAG value is the hexadecimal tag of the system.
NFRSYSCL /DOPING

NFRSYSCL /DOPING returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Group name not defined</td>
</tr>
<tr>
<td>201</td>
<td>System name not defined</td>
</tr>
<tr>
<td>202</td>
<td>Group tag not defined</td>
</tr>
<tr>
<td>203</td>
<td>System tag not defined</td>
</tr>
<tr>
<td>204</td>
<td>Invalid operating system type</td>
</tr>
<tr>
<td>205</td>
<td>Invalid protocol type</td>
</tr>
<tr>
<td>206</td>
<td>Invalid ping interval</td>
</tr>
<tr>
<td>207</td>
<td>Invalid notification severity</td>
</tr>
<tr>
<td>208</td>
<td>Invalid auto discovery interval</td>
</tr>
</tbody>
</table>
Security Manager CLI (NFSECCL)

Information on the Netfinity Security Manager command-line tool NFSECCL follows.
NFSECCL /?

NFSECCL /?

Syntax

NFSECCL —/?

Purpose of Command
This command displays command line help for NFSECCL.
NFSECL /LISTIN /ALL

NFSECL /LISTIN /ALL

Syntax

\[ NFSECL /LISTIN /ALL \quad /N:\text{netpath} \quad /S:"\text{sysname}" \]

Purpose of Command
This command lists the attributes for all inbound user IDs.

Parameter Descriptions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ALL</td>
<td>Selects all inbound user IDs.</td>
</tr>
<tr>
<td>/LISTIN</td>
<td>Lists all inbound user IDs.</td>
</tr>
<tr>
<td>/N</td>
<td>Specifies the network path to the target system.</td>
</tr>
<tr>
<td>/S</td>
<td>Specifies the system name for the target system.</td>
</tr>
</tbody>
</table>

Command Responses
NFSECL /LISTIN /ALL returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECL /LISTIN /USERID

Syntax

```
NFSECL -/LISTIN-/USERID:"userid" /N:netpath

/S:"sysname"
```

Purpose of Command
This command lists the attributes for a given user ID.

Parameter Descriptions

- **/LISTIN**: Specifies the user ID. Must be all uppercase.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.

Command Responses
The output for NFSECL /LISTIN appears as follows:

```
{ USERID="userid", PWD="passwd", SECMGR, SVC=
{"svcname",...} }
```

where:
- USERID value is the user ID string.
- PWD value is the password string.
- SECMGR keyword is present if the security manager access is defined for a given user ID.
- SVC value is a bracketed list of strings for service IDs (base service node names or ALL for all services).

NFSECL /LISTIN returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
</tbody>
</table>
NFSECL /LISTIN /USERID

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECCL /DELIN /ALL

Syntax
NFSECCL /DELIN /ALL ──NFSECCL ── /N:netpath ── /S:"sysname" ── /DELIN ── /ALL ──

Purpose of Command
This command deletes all inbound user IDs.

Parameter Descriptions
/ALL Selects all inbound user IDs.
/DELIN Deletes all inbound user IDs.
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
NFSECCL /DELIN returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECCL /DELIN /USERID

Syntax

```
NFSECCL /DELIN /USERID: "userid" /N: netpath
```

Purpose of Command
This command deletes a specific inbound user ID.

Parameter Descriptions

- **/DELIN**: Deletes a specific inbound user ID. The user ID must be all uppercase.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.

Command Responses
NFSECCL /DELIN returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECL /ADDIN

NFSECL /ADDIN

Syntax

```
NFSECL --ADDIN:"USERID"--/PWD:"PASSWORD"--/ADDSECMGR
ADDIN:"svc"--/IGNORESVC
-N:netpath
-S:"sysname"
```

Purpose of Command

This command adds a new inbound user ID.

Parameter Descriptions

/ADDIN            Specifies the user ID; must be all uppercase.

/ADDSECMGR       Specifies the security manager to be added for
access (optional); the default is no SECMGR set.

/ADDSVC          Specifies the access to a service (optional, multiple
OK); either service ID or ALL for all services.

/IGNORESVC       Ignores unknown services in the ADDSVC
parameter (the optional default is error if
unknown).

/N                Specifies the network path to the target system.

/PWD              Specifies the password value; must be all
uppercase.

/S                Specifies the system name for the target system.

Command Responses

NFSECL /ADDIN returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECL /EDITIN

NFSECL /EDITIN

Syntax

```
NFSECL —/EDITIN:"USERID"—/PWD:"PASSWORD"—/ADDSECMGR——
—/DELSECMGR—/ADDSVC:"svc"—/DELSVC:"svc"—/IGNORESVC——

[N:netpath] [S:"sysname"]
```

Purpose of Command
This command modifies the inbound user ID.

Parameter Descriptions

/ADDSECMGR
Adds new security manager access.

/ADDSVC
Select access to a service (optional, multiple OK).
either service ID string or ALL for all services

/DELSECMGR
Deletes security manager access (optional).

/DELSVC
Delete access to a service (optional, multiple OK).
either a service ID string or ALL for all services

/EDITIN
Specifies the User ID value; must be all uppercase.

/IGNORESVC
Ignores unknown services in ADDSVC and DELSVC parameters (the optional default is error if unknown).

/N
Specifies the network path to the target system.

/PWD
Shows the new password. Must be all uppercase.

/S
Specifies the system name for the target system.

Command Responses
NFSECL /EDITIN returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
</tbody>
</table>
NFSECL /EDITIN

201 Outbound node not defined
202 Invalid password
203 Invalid user ID
204 Invalid service
NFSECCL /LISTOUT /ALL

Syntax

```
NFSECCL /LISTOUT /ALL /N:netpath /S:"sysname"
```

Purpose of Command

This command list attributes for all outbound host IDs.

Parameter Descriptions

- `/ALL` Selects all host IDs.
- `/LISTOUT` Lists selected host IDs.
- `/N` Specifies the network path to the target system.
- `/S` Specifies the system name for the target system.

Command Responses

NFSECCL /LISTOUT returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECCL /LISTOUT

Syntax
NFSECCL /LISTOUT /HOST:"host" /N:netpath /S:"sysname"

Purpose of Command
This command list attributes for a selected host ID.

Parameter Descriptions
/HOST Selects a specific host ID.
/LISTOUT Lists selected host IDs.
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
The output for each group specified by NFSECCL /LISTOUT appears as follows:
{HOST="host", USERID="userid", PWD="passwd" }

where:
- HOST value is the host ID string
- USERID value is the user ID string
- PWD value is the password string

NFSECCL /LISTOUT returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECL /DELOUT /ALL

NFSECL /DELOUT /ALL

Syntax
NFSECL /DELOUT /ALL /N:netpath /S:"sysname"

Purpose of Command
This command deletes all outbound host IDs.

Parameter Descriptions
/ALL Specifies that all outbound host IDs will be deleted.
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
NFSECL /DELOUT /ALL returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECL /DELOUT

Syntax
```
NFSECL /DELOUT ──/HOST:"host" ──/N:netpath ──/S:"sysname"
```

Purpose of Command
This command deletes specific outbound host IDs.

Parameter Descriptions
- **/HOST**: Specifies which outbound host IDs will be deleted.
- **/N**: Specifies the network path to the target system.
- **/S**: Specifies the system name for the target system.

Command Responses
NFSECL /DELOUT returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECL /ADDOUT

NFSECL /ADDOUT

Syntax

```
NFSECL /ADDOUT:"host"/SETUID:"userid"/PWD:"password"
```

Purpose of Command
This command adds a new outbound host ID.

Parameter Descriptions

/ADDOUT Specifies the outbound host IDs will be added.
/N Specifies the network path to the target system.
/PWD Specifies the password for the host ID.
/S Specifies the system name for the target system.
/SETUID Specifies the user ID for the host ID.

Command Responses
NFSECL /ADDOUT returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECCL /EDITOUT /ALL

Syntax

```
NFSECCL /EDITOUT /ALL /SETUID: "userid" /PWD: "password"
```

/N: netpath /S: "sysname"

Purpose of Command

This command modifies all outbound host IDs.

Parameter Descriptions

/N
Specifies the network path to the target system.

/S
Specifies the system name for the target system.

/SETUID
Specifies the user ID for the host ID.

/PWD
Specifies the password for the host ID.

Command Responses

NFSECCL /EDITOUT /ALL returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
NFSECCL /EDITOUT

Syntax

```
NFSECCL /EDITOUT /HOST:"host" /SETUID:"userid" /PWD:"password" /N:"netpath" /S:"sysname"
```

Purpose of Command
This command modifies a specified outbound host ID.

Parameter Descriptions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>/HOST</td>
<td>Identifies the specific outbound host-ID to be modified.</td>
</tr>
<tr>
<td>/N</td>
<td>Specifies the network path to the target system.</td>
</tr>
<tr>
<td>/PWD</td>
<td>Specifies the password for the host ID.</td>
</tr>
<tr>
<td>/S</td>
<td>Specifies the system name for the target system.</td>
</tr>
<tr>
<td>/SETUID</td>
<td>Specifies the user ID for the host ID.</td>
</tr>
</tbody>
</table>

Command Responses
NFSECCL /EDITOUT returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Inbound user ID not identified</td>
</tr>
<tr>
<td>201</td>
<td>Outbound node not defined</td>
</tr>
<tr>
<td>202</td>
<td>Invalid password</td>
</tr>
<tr>
<td>203</td>
<td>Invalid user ID</td>
</tr>
<tr>
<td>204</td>
<td>Invalid service</td>
</tr>
</tbody>
</table>
Software Inventory CLI (NFSINVCL)

Information on the Netfinity Software Inventory command-line tool NFSINVCL follows.
NFSINVCL /?

NFSINVCL /?

Syntax

NFSINVCL /?

Purpose of Command
This command displays help for the NFSINVCL command.
NFSINVCL /SCAN

Syntax

```
NFSINVCL — /SCAN:dict_name — /EXPORT:dbi_name—

/DBNAME:"db_name" — /DETAILRPT:report_file—

/SUMBYNAME:summary_file — /SUMBYVER:summary_file—

/SUMBYREV:summary_file — /UPDNVDM — /UPDSAVED—

/UPDAPPKWD — /MGR:"mgr_name" — /GRP:"group_name"—

/N:netpath — /S:"sysname"—
```

Purpose of Command

This command scans all drives on specified systems using the the Netfinity dictionary file `dict_name` and generates specified output.

Parameter Descriptions

**/EXPORT**

Specifies the name of the database interface module (DBI) used for exporting to the selected database (for example, DB2OS2CI or DB2WINFI).

**DBNAME**

Specifies the name of the target database. Format depends upon specific DBI driver being used. Optional, required if is EXPORT defined.

**DETAILRPT**

Specifies the name of the file to which the detailed inventory report will be appended.

**SUMBYNAME**

Specifies the name of the file to which the summary-by-name inventory report will be appended.

**SUMBYVER**

Specifies the name of the file to which the summary-by-version inventory report will be appended.
NFSINVCL /SCAN

SUMBYREV    Specifies the name of the file to which the summary-by-revision inventory report will be appended.

UPDNVDM     Updates NVDM inventory.

UPDSAVED    Updates saved inventory list.

UPDAPPKWD   Updates application keywords.

MGR         Specifies the name of the requesting manager.

GRP         Specifies the name of the system’s group.

/N          Specifies the network path to the target system.

/S          Specifies the system name for the target system. Optional, required if EXPORT is defined.

Command Responses
NFSINVCL /SCAN returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Error in selected dictionary file</td>
</tr>
<tr>
<td>201</td>
<td>Error writing to report file</td>
</tr>
<tr>
<td>202</td>
<td>Error during database export</td>
</tr>
<tr>
<td>203</td>
<td>Error during NVDM update</td>
</tr>
<tr>
<td>204</td>
<td>Error during update of saved inventory</td>
</tr>
<tr>
<td>205</td>
<td>Error during update of application keywords</td>
</tr>
<tr>
<td>206</td>
<td>Unable to execute software inventory task</td>
</tr>
</tbody>
</table>

(SINVGUI.EXE)
System Monitor CLI (NFSMONCL)

Information on the Netfinity System Monitor command-line tool NFSMONCL follows.
**NFSMONCL /?**

**Syntax**

```
NFSMONCL /?
```

**Purpose of Command**

This command displays command-line help for NFSMONCL.
NFSMONCL /GETMON

Syntax

```
NFSMONCL /GETMON ──/ALL ─────────── /SM590000/SM590000 ──NFSMONCL ──/GETMON─ ──┼ ┼───────────────── ──┬ ┬───────────── ───────/SM590000 ──────────────── ──/MONNAME:"name" ──/MONID:NNNNNNNN ──/N:netpath ──/S:"sysname"
```

Purpose of Command

This command lists monitor and attribute group information.

Parameter Descriptions

/ALL Selects all monitors and attribute groups.

/MONNAME Selects monitor and attribute groups with a given name.

/MONID Selects monitor and attribute groups with a given monitor ID.

/N Specifies the network path to the target system.

/S Specifies the system name for the target system.

Command Responses

The output for each selected monitor by NFSMONCL/GETMON appears as follows:

```
{ MONITOR_ID=0xNNNNNNNN, NAME="name", SAMPLE=time_ttime msec, VALUE=cur val, UNITS_LBL=units string", RECORDING=enab, MINVAL=min val, MAXVAL=max val others }
```

where:

- MONITOR ID value is the hex number for the monitor ID.
- NAME value is the string attribute name.
- SAMPLE value is the attribute sample rate, in milliseconds.
- VALUE is the current decimal value for the attribute.
NFSMONCL /GETMON

- UNITS_LBL value is the string label for the data type.
- RECORDING value indicates data recording state (either ENABLED or DISABLED)
- MINVAL value is the decimal value of minimum value for the range.
- MAXVAL value is the decimal value of maximum value for the range.

The output for each selected attribute by NFSMONCL/GETMON appears as follows:

```
{ ATTRIB_ID=0xNNNNNNNN, NAME="name", SAMPLE=msec, RECORDING=enab, { attrib_info, attrib_infor. ...} , others}
```

where:
- ATTRIB_ID value is the hex number for attribute ID.
- NAME value is the string attribute group name.
- SAMPLE value is the attribute group sample rate, in milliseconds.
- RECORDING value indicates data recording state (either ENABLED or DISABLED)

Attrib_info is a bracketed data block and is formatted as follows:

```
{ ATTRIB_SUBID=0xNNNNNNNN, NAME="name", VAL_ENUM= { "val desc"... }, VALUE=val }
```

where:
- ATTRIB_SUBID value is the hex ID for the attribute group.
- NAME value is the string attribute name.
- VAL_ENUM is the value for the bracketed list of strings for enumeration values (0–based index).
- VALUE is either the index in VAL_ENUM list of current value or a string for the current value (if no VAL_ENUM list).

NFSMONCL /GETMON returns the following tool-specific return codes:
### NFSMONCL /GETMON

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Unknown monitor or attribute group ID</td>
</tr>
<tr>
<td>201</td>
<td>Unknown monitor or attribute group name</td>
</tr>
<tr>
<td>202</td>
<td>Unknown monitor or attribute group threshold name</td>
</tr>
</tbody>
</table>
NFSMONCL /SETMONREC

Syntax

```
NFSMONCL /SETMONREC enabled/disabled /ALL

/SM590000/SM590000 ──NFSMONCL ──/SETMONREC── enabled/disabled ──/SM590000

├──/MONNAME:"name"

└─/MONID:NNNNNNNN

/N:netpath ──/S:"sysname"
```

Purpose of Command

This command sets the recording on selected monitors.

Parameter Descriptions

/ALL          Selects all monitors and attribute groups.
/MONNAME      Selects monitor and attribute groups with a given name.
/MONID        Selects monitor and attribute groups with a given monitor ID.
/N            Specifies the network path to the target system.
/S            Specifies the system name for the target system.
/SETMONREC    Sets the recording for selected monitors (either ENABLED or DISABLED).

Command Responses

The output for each modified monitor for NFSMONCL/SETMONREC appears as follows:

```
MONITOR_ID=0xNNNNNNNN
```

where NNNNNNNN is the hexadecimal monitor ID.

The output for each modified attribute group for NFSMONCL/SETMONREC appears as follows:

```
ATTRIB_ID=0xNNNNNNNN
```
where NNNNNNN is the hexadecimal attribute ID.

NFSMONCL /SETMONCL returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Unknown monitor or attribute group ID</td>
</tr>
<tr>
<td>201</td>
<td>Unknown monitor or attribute group name</td>
</tr>
<tr>
<td>202</td>
<td>Unknown monitor or attribute group threshold name</td>
</tr>
</tbody>
</table>
NFSMONCL /GETMONTHR

Syntax

```
NFSMONCL  /GETMONTHR

[ /ALL ]

[ /MONNAME:"name" ]
[ /MONID:monitor_id ]
[ /THRNAME:"threshold_name" ]

[ /N:netpath ]
[ /S:"sysname" ]
```

Purpose of Command

This command lists the information for selected monitor thresholds.

Parameter Descriptions

/ALL
Selects all monitor thresholds.

/GETMONTHR
Selects the specified monitor thresholds.

/MONNAME
Specifies a monitor name.

/MONID
Specifies a monitor ID.

Note: MONID is required when /THRNAME is specified.

/N
Specifies the network path to the target system.

/S
Specifies the system name for the target system.

/THRNAME
Limits the selection to thresholds with the given name.

Note: MONID is required when /THRNAME is specified.

Command Responses

The output for each group selected threshold by NFSMONCL /GETMONTHR appears as follows:
{ MONITOR_ID=0xNNNNN, THRESNAME="name",
DUR=seconds, RPT=seconds, HIERRVAL=hierrval,
HIERRSEV=hierrsev, HIERRNTFY=enabled/disabled, HIWRNVAL=hiwrnval,
HIWRNSEV=hiwrnsev, HIWRNNTFY=enabled/disabled, LOWRNVAL=lowrnval,
LOWRNSEV=lowrnsev, LOWRNNTFY=enabled/disabled, LOERRVAL=loerrval,
LOERRSEV=loerrsev, LOERRNTFY=enabled/disabled, RTNSEV=rtnsev,
RTNNTFY=enabled/disabled, LOCALNTFY=enabled/disabled, others }

where:

- MONITOR_ID value is the hex monitor.
- THRESNAME value is the string for the threshold name.
- DUR value is the number of seconds for the duration of threshold values.
- RPT value is the number of seconds for the resend duration of the threshold values.
- HIERRVAL value is the decimal value of the high-error threshold (if defined), or NONE.
- HIERRSEV value is the severity of the threshold alert (0–7) for the high-error threshold.
- HIERRNTFY value is the notify state of the threshold with respect to the managing system; values are either ENABLED or DISABLED
- HIWRNVAL value is the decimal value of the high-warning threshold (if defined), or NONE.
- HIWRNSEV value is the severity of the threshold alert (0–7) for the high-warning threshold.
- HIWRNNTFY value is the notify state of the threshold with respect to the managing system, values are either ENABLED or DISABLED.
- LOWRNVAL value is the decimal value of the low-warning threshold (if defined), or NONE.
- LOWRNSEV value is the severity of the threshold alert (0–7) for low-warning threshold.
- LOWRNNTFY value is the notify state of the threshold with respect to the managing system; values are either ENABLED or DISABLED.
- LOERRVAL value is the decimal value of the low-error threshold (if defined), or NONE.
- LOERRSEV value is the severity of the threshold alert (0–7) for low-error threshold.
NFSMONCL /GETMONTHR

- LOERRNTFY value is the notify state of the threshold with respect to the managing system; values are either ENABLED or DISABLED.
- RTNSEV value is the severity of the return-to-normal alert (0–7).
- RTNNTFY value is the notify state of the return-to-normal with respect to the managing system; values are either ENABLED or DISABLED.
- LOCALNTFY value is the notify state with respect to the local system; values are either ENABLED or DISABLED.

NFSMONCL /GETMONTHR returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Unknown monitor or attribute group ID</td>
</tr>
<tr>
<td>201</td>
<td>Unknown monitor or attribute group name</td>
</tr>
<tr>
<td>202</td>
<td>Unknown monitor or attribute group threshold name</td>
</tr>
</tbody>
</table>
NFSMONCL /DELMONTHR

Syntax

```
NFSMONCL /DELMONTHR

/ALL
/MONNAME:"name"
/MONID:NNNNNNNN
/THRNAME:"thrname"
/N:netpath
/S:"sysname"
```

Purpose of Command

This command deletes selected monitor thresholds.

Parameter Descriptions

/ALL Selects all monitor thresholds.

/DELMONTHR Deletes the selected monitor thresholds.

/MONNAME Specifies a monitor name.

/MONID Specifies a monitor ID.

/N Specifies the network path to the target system.

/S Specifies the system name for the target system.

/THRNAME Limits the selection to thresholds with given name.

Command Responses

The output for each selected threshold for NFSMONCL /DELMONTH appears as follows:

```
{ MONITOR_ID=0xNNNNNNNN, THRESNAME="name" }
```

where:

- MONITOR_ID value is the monitor ID.
- THRESNAME value is the string of the threshold name.
NFSMONCL /DELMONTHR

NFSMONCL /DELMONTHR returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Unknown monitor or attribute group ID</td>
</tr>
<tr>
<td>201</td>
<td>Unknown monitor or attribute group name</td>
</tr>
<tr>
<td>202</td>
<td>Unknown monitor or attribute group threshold name</td>
</tr>
</tbody>
</table>
NFSMONCL /ADDMONTHR

Syntax

NFSMONCL —/ADDMONTHR:"name"—/MONID:NNNNNNNN—/DUR:secs—
RPT:secs—/HIERRVAL:val—/HIERRSEV:sev—
HIERRNTFY:enabled/disabled—/HIWRNVAL:val—/HIWRNSEV:sev—
HIWRNNTFY:enabled/disabled—/LOWRNNVAL:val—/LOWRNSEV:sev—
LOERRNTFY:enabled/disabled—/LOERRVAL:val—/LOERRSEV:sev—
LOERRNTFY:enabled/disabled—/RTNSEV:sev—/RTNNNTFY:enab—
LOCALNTFY:enabled/disabled—/N:netpath—
/S:"sysname"—

Purpose of Command
This command adds a new monitor threshold.

Parameter Descriptions

/ADDMONTHR
Specifies the string threshold name to add (required).

/DUR
Specifies the number of seconds for the duration of the threshold values (default is 0).

/HIERRNTFY
Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; the default is DISABLED).

/HIERRSEV
Specifies the severity of the threshold alert (0–7) for the high-error threshold (the default is 2).

/HIERRVAL
Specifies the decimal value of the high-error threshold (if defined), or NONE (default).

/HIWRNNTFY
Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; the default is DISABLED)
/HIWRNSEV  Specifies the severity of the threshold alert (0–7) for the high-warning threshold (the default is 4).

/HIWRNVAL  Specifies the decimal value of the high-warning threshold (if defined), or NONE (default).

/LOCALNTFY  Specifies the notify state of the local notifies (ENABLED or DISABLED; default is DISABLED).

/LOERRNTFY  Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; default is DISABLED).

/LOERRSEV  Specifies the severity of the threshold alert (0–7) for the low-error threshold (the default is 2).

/LOERRVAL  Specifies the decimal value of the low-error threshold (if defined), or NONE (default).

/LOWRNNTFY  Specifies the the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; default is DISABLED).

/LOWRNSEV  Specifies the severity of the threshold alert (0–7) for the low-warning threshold (the default is 4).

/LOWRNVAL  Specifies the decimal value of the low-warning threshold (if defined), or NONE (default).

/MONID  Specifies the hexadecimal attribute ID (required).

/N  Specifies the network path to the target system.

/RPT  Specifies the number of seconds for the resend duration of threshold values (default is 0).

/RTNNTFY  Specifies the notify state of return-to-normal with respect to the managing system (ENABLED or DISABLED; default is DISABLED).

/RTNSEV  Specifies the severity of the return-to-normal alert (0–7), (the default is 6).

/S  Specifies the system name for the target system.
Command Responses
The output for a new threshold for NFSMONCL /ADDMONTHR appears as follows:

```
{ MONITOR_ID=0xNNNNNNNNN, THRESNAME="name" }
```

where:
- MONITOR_ID value is the monitor ID.
- THRESNAME value is the string of the threshold name.

NFSMONCL /ADDMONTHR returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Unknown monitor or attribute group ID</td>
</tr>
<tr>
<td>201</td>
<td>Unknown monitor or attribute group name</td>
</tr>
<tr>
<td>202</td>
<td>Unknown monitor or attribute group threshold name</td>
</tr>
</tbody>
</table>
NFSMONCL EDITMONTHR

Syntax

```
NFSMONCL /EDITMONTHR /ALL /DUR:secs

/SM590000/SM590000─NFSMONCL─/EDITMONTHR─

├┤ ──/MONNAME:"name" ───
├┤ ──/MONID:NNNNNNNN ──
└┘ ──/THRNAME:"thrname"

├┤ ──/HIERRVAL:val ──/HIERRSEV:sev ──/HIERRNTFY:enab
├┤ ──/HIWRNVAL:val ──/HIWRNSEV:sev ──/HIWRNNTFY:enab
├┤ ──/LOWRNVAL:val ──/LOWRNSEV:sev ──/LOWRNNTFY:enab
├┤ ──/LOERRVAL:val ──/LOERRSEV:sev ──/LOERRNTFY:enab
├┤ ──/RTNVAL:val ──/RTNSEV:sev ──/RTNNTFY:enab

└┘ ──/N:netpath
```

Purpose of Command

This command edits the monitor thresholds.

Parameter Descriptions

/ALL    Selects all monitor thresholds.

/DUR    Specifies the number of seconds for the duration of threshold values (the default is 5).

/EDITMONTHR    Edits the thresholds for the selected monitors.

/HIERRNTFY    Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; the default is DISABLED).

/HIERRSEV    Specifies the severity of the threshold alert (0–7) for the high-error threshold (the default is 2).

/HIERRVAL    Specifies the decimal value of the high-error threshold (if defined), or NONE (default).

/HIWRNNTFY    Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; the default is DISABLED)
/HIWRNSEV Specifies the severity of the threshold alert (0–7) for the high-warning threshold (the default is 4).

/HIWRNVAL Specifies the decimal value of the high-warning threshold (if defined), or NONE (default).

/LOERRNTFY Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; the default is DISABLED).

/LOERRSEV Specifies the severity of the threshold alert (0–7) for the low-error threshold (the default is 2).

/LOERRVAL Specifies the decimal value of the low-error threshold (if defined), or NONE (default).

/LOWRNNTFY Specifies the notify state of the threshold with respect to the managing system (ENABLED or DISABLED; the default is DISABLED).

/LOWRNSEV Specifies the severity of the threshold alert (0–7) for the low-warning threshold (the default is 4).

/LOWRNVAL Specifies the decimal value of the low-warning threshold (if defined), or NONE (default).

/MONNAME Specifies a monitor name.

/MONID Specifies a monitor ID.

/N Specifies the network path to the target system.

/RPT Specifies the number of seconds for the resend duration of the threshold values (default is 0).

/RTNSEV Specifies the severity of the return-to-normal alert (0–7, the default is 6).

/RTNNTFY Specifies the notify state of return-to-normal with respect to the managing system (ENABLED or DISABLED; the default is DISABLED).

/THRNAME Limits the selection to thresholds with given name.
NFSMONCL EDITMONTHR

/S specifies the system name for the target system.

Command Responses
NFSMONCL /EDITMONTHR returns the following tool-specific return codes:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Unknown monitor or attribute group ID</td>
</tr>
<tr>
<td>201</td>
<td>Unknown monitor or attribute group name</td>
</tr>
<tr>
<td>202</td>
<td>Unknown monitor or attribute group threshold name</td>
</tr>
</tbody>
</table>
System Information Tool CLI (NFSYSICL)

Information on the Netfinity System Information Tool command-line tool NFSYSICL follows.
NFSYSICL /?

**NFSYSICL /?**

**Syntax**

```
NFSYSICL /?
```

**Purpose of Command**

This command displays help for the NFSYSICL command.
NFSYSICL /HIST

Syntax
```
NFSYSICL /HIST:filename /N:netpath
```

Purpose of Command
This command generates a history file to the specified file name.

Parameter Descriptions
/HIST Specifies the name of the history file.
/N Specifies the network path to the target system.

Command Responses
NFSYSICL /HIST returns the following tool-specific return codes:

Return Code Description
200 Error writing to history file
201 Error writing to report file
202 Error during database export
203 Unable to execute task (SINFG30.EXE) which executes much of the NFSYSICL function. The requested NFSYSICL action was not executed.
NFYSICL /HISTOUT

Syntax

\[
\text{NFYSICL} \quad \text{/HISTOUT} \quad \text{/N:netpath} \quad \text{/S:"sysname"}
\]

Purpose of Command
This command generates a history file to a generated file name and generates output.

Parameter Descriptions

/\text{HISTOUT} \quad \text{Specifies the name of the history file.}

/\text{N} \quad \text{Specifies the network path to the target system.}

/\text{S} \quad \text{Specifies the system name for the target system.}

Command Responses
The output for the NFYSICL /HISTOUT command appears as follows:

HSTFILE="filename"

where the HSTFILE value is the name of the file containing the output.

NFYSICL /HISTOUT returns the following tool-specific return codes:

\begin{tabular}{|c|l|}
\hline
Return Code & Description \\
\hline
200 & Error writing to history file \\
201 & Error writing to report file \\
202 & Error during database export \\
203 & Unable to execute task (SINFG30.EXE) which executes much of the NFYSICL function. The requested NFYSICL action was not executed. \\
\hline
\end{tabular}
NFSYSICL /RPT

Syntax

NFSYSICL /RPT:filename /N:netpath /S:"sysname"

Purpose of Command
This command generates a textual report to the specified file name.

Parameter Descriptions

/RPT Specifies the name of the text file.
/N Specifies the network path to the target system.
/S Specifies the system name for the target system.

Command Responses
NFSYSICL /RPT returns the following tool-specific return codes:

Return Code Description
200 Error writing to history file
201 Error writing to report file
202 Error during database export
203 Unable to execute task (SINFG30.EXE) which executes much of the NFSYSICL function. The requested NFSYSICL action was not executed.
NFSYSICL /RPTOUT

NFSYSICL /RPTOUT

Syntax
```
NFSYSICL /RPTOUT /N:path /S:sysname
```

Purpose of Command
This command generates a textual report to a file. It also generates output.

Command Responses
The output for the NFSYSICL /RPTOUT command appears as follows:
```
RPTFILE=filename
```
where the RPTFILE value is the name of the file containing the report.

NFSYSICL /RPTOUT returns the following tool-specific return codes:

Return Code Description
- 200  Error writing to history file
- 201  Error writing to report file
- 202  Error during database export
- 203  Unable to execute task (SINFG30.EXE) which executes much of the NFSYSICL function. The requested NFSYSICL action was not executed.
NFSYSICL /EXPORT

Syntax

```
NFSYSICL /EXPORT:dbi_name─/DBNAME:"db_name."─/MRG:"mgr_name"
```

Purpose of Command

This command exports data to the database specified by the DBNAME parameter using the database driver specified by this command.

Parameter Descriptions

- **/DBNAME**  
  Specifies the name of the target database.

- **/GRP**  
  Specifies the group name of the system. The default is none.

- **/MGR**  
  Specifies the name of the requesting manager. The default string is the local system name.

- **/Noprof**  
  Specifies that the system profile data should be excluded from the export. The default is to include the system profile data.

- **/NOSYSLEV**  
  Specifies that software information from OS/2 SYSLEVEL files should be excluded from the export. The default is to include the SYSLEVEL data.

- **/N**  
  Specifies the network path to the target system.

- **/S**  
  Specifies the system name for the target system.

Command Responses

NFSYSICL /EXPORT returns the following tool-specific return codes:
NFSYSICL /EXPORT

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Error writing to history file</td>
</tr>
<tr>
<td>201</td>
<td>Error writing to report file</td>
</tr>
<tr>
<td>202</td>
<td>Error during database export</td>
</tr>
<tr>
<td>203</td>
<td>Unable to execute task (SINFG30.EXE) which executes much of the NFSYSICL function. The requested NFSYSICL action was not executed.</td>
</tr>
</tbody>
</table>
Appendix A. Reading Syntax Diagrams

Syntax diagrams start with double arrowheads on the left (►) and move along the main line until they end with two arrowheads facing each other (◄).

As shown in the following table, syntax diagrams use position to indicate the required, optional, and default values for keywords, variables, and parameters.

<table>
<thead>
<tr>
<th>Element Position</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>On the command line</td>
<td>Required</td>
</tr>
<tr>
<td>Above the command line</td>
<td>Default</td>
</tr>
<tr>
<td>Below the command line</td>
<td>Optional</td>
</tr>
</tbody>
</table>

**Required Syntax**

The command name, required keywords, variables, and parameters are always on the main syntax line. Figure 1 specifies that the resname variable must be used for the CCPLOADF command.

---

**Figure 1. Required Syntax Elements**

Keywords and parameters are written in uppercase letters. Lowercase letters indicate variables such as values or names that you supply. In Figure 2, MEMBER is a parameter and membername is a variable that defines the name of the data set member for that parameter.

---

**Figure 2. Syntax for Variables**
Optional Keywords and Variables

Optional keywords, variables, and parameters are below the main syntax line. Figure 3 specifies that the ID parameter can be used for the DISPREG command, but is not required.

```
+------------+     +------------+
| DISPREG    |     | ID=resname  |
+------------+     +------------+
```

Figure 3. Optional Syntax Elements

Default Values

Default values are above the main syntax line. If the default is a keyword, it appears only above the main line. You can specify this keyword or allow it to default.

If a parameter has a default value, the parameter appears both above and below the main line. A value below the main line indicates that if you choose to specify the parameter, you can also specify the default value or another value shown. If you do not specify a parameter, the default value above the main line is used.

Figure 4 shows the default keyword STEP above the main line and the rest of the optional keywords below the main line. It also shows the default values for parameters MODNAME=* and OPTION=* above and below the main line.

```
+------------+   +------------+     +------------+
| RID        |   | TASK=opid  |   | ,STEP      |
|           |   | ,CONTINUE  |   | MODNAME=   |
|           |   | ,END       |   | *          |
|           |   | ,RUN       |   | NAME       |
|           |   | ,OPTION=   |   | MODNAME=*  |
|           |   |            |   | *          |
|           |   |            |   |            |
+------------+   +------------+     +------------+
```

Figure 4. Sample of Defaults Syntax
Long Syntax Diagrams
When more than one line is needed for a syntax diagram, the continued lines end with a single arrowhead (▷). The following lines begin with a single arrowhead (▷), as shown in Figure 4 on page 180.

Syntax Fragments
Commands that contain lengthy groups or a section that is used more than once in a command are shown as separate fragments following the main diagram. The fragment name is shown in mixed case. See Figure 5 for a syntax with the fragments ReMote and FromTo.

Figure 5. Sample Syntax Diagram with Fragments
Syntax Diagrams

Commas and Parentheses

Required commas and parentheses are included in the syntax diagram. When a parameter has more than one value, the values are typically enclosed in parentheses and separated by commas. In Figure 6, the OP parameter, for example, contains commas to indicate that you can specify multiple values for the testop variable.

Figure 6. Sample Syntax Diagram with Commas

If a command requires positional commas to separate keywords and variables, the commas are shown before the keyword or variable, as in Figure 4 on page 180.

For example, to specify the BOSESS command with the sessid variable, enter:

NCCF BOSESS applid,,sessid

You do not need to specify the trailing positional commas. Positional and non-positional trailing commas either are ignored or cause the command to be rejected. Restrictions for each command state whether trailing commas cause the command to be rejected.

Highlighting, Brackets, and Braces

Syntax diagrams do not rely on highlighting, underscoring, brackets, or braces; variables are shown italicized.

In parameter descriptions, the appearance of syntax elements in a diagram immediately tells you the type of element. See Table 2 on page 183 for the appearance of syntax elements.
Syntax Diagrams

<table>
<thead>
<tr>
<th>Table 2. Syntax Elements Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>This element...</td>
</tr>
<tr>
<td>Keyword</td>
</tr>
<tr>
<td>Variable</td>
</tr>
<tr>
<td>parameter</td>
</tr>
<tr>
<td>Default</td>
</tr>
</tbody>
</table>

**Abbreviations**

Command and keyword abbreviations are described in synonym tables after each command description.
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