
CML00096-01

cmlnotify: Code Magus Event Notifier Version 1

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1 Code Magus Notify Guide

1.1 Introduction

2 Code Magus Notify Reference

2.1 Usage

Code Magus Notify (`cmlnotify`) is started from the command line preferably in the background as a daemon process and should not be associated with the terminal initiating it.

Under normal operation mode `cmlnotify` will receive telemetry data from metric producers, record them to a log file and optionally forward them on to a metric consumer. `cmlnotify` will accept both TCP/IP and UDP connections. Any duplicate messages received via UDP are automatically discarded and therefore not forwarded on or recorded.

If `cmlnotify` is started with the parameter ‘`--help`’ it will only display the command line parameters it accepts and a short description of each. The list of parameters along with a complete description of each can be found in the following section.

```
Code Magus Limited Notify V1.1: build 2013-09-10-19.56.33
[./cmlnotify] $Id: cmlnotify_help.tex,v 1.1.1.1 2013/09/10 19:08:41 hayward Exp $
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Usage: cmlnotify [OPTION...]
  -p, --port=<port>           Port number for connections
  -n, --notify-command=<command>  Notify command to run when Target-Process
                                ends
  -f, --notify-file=<text-file>   File of text passed as standard in to the
                                notify command
  -v, --verbose               Verbose processing

Help options:
  -?, --help                 Show this help message
  --usage                    Display brief usage message
```

2.2 Parameters

- ‘`-p|--port`’ Specifies the port number to listen on for incoming connections from metric producers.
- ‘`-v|--verbose`’ Directs `cmlnotify` to output diagnostic information during execution.

2.3 Examples

2.3.1 cmlnotify as Notify Server

The following invocation will accept event notifications on port 6400, run the command specified when an event metric [1] is received.

```
home>cmlnotify --verbose --port 6400
--notify-command="mutt -s \"CMLNOTIFY EVENT: %t\" hayward@codemagus.com"

Code Magus Limited Notify V1.1: build 2014-01-13-17.53.45
[cmlnotify] $Id: cmlnotify_example1.tex,v 1.1 2014/09/22 10:26:10 hayward Exp $
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2014-01-14-10.35.21.624606: CMLNOTIFY (0.0.0.0:6400) - Waiting connection
2014-01-14-10.35.26.579123: CMLNOTIFY [127.0.0.1:59421]: Connected
2014-01-14-10.35.26.579391: metric GROUP01_D20140114_T103526(
time(1389695726.578446)seq(0)originator(giraffe)
send_host("localhost":6400)group(GROUP01)title("Test of Example")
class(2)event("This is a Test of an example event"))
2014-01-14-10.35.26.579451: An event has been triggered!
2014-01-14-10.35.26.579491:
2014-01-14-10.35.26.579534: NAME      : GROUP01_D20140114_T103526
2014-01-14-10.35.26.579572: TITLE   : Test of Example
2014-01-14-10.35.26.579608: GROUP   : GROUP01
2014-01-14-10.35.26.579643: SOURCE  : giraffe
2014-01-14-10.35.26.579698: TIMESTAMP : D20140114_T103526
2014-01-14-10.35.26.579737: SEQUENCE : 0
2014-01-14-10.35.26.579772: HOST IP  : localhost
2014-01-14-10.35.26.579807: HOST PORT : 6400
2014-01-14-10.35.26.579843: MESSAGE  : This is a Test of an example event
2014-01-14-10.35.26.579879:
2014-01-14-10.35.26.579981:
2014-01-14-10.35.27.006840: CMLNOTIFY [127.0.0.1:59421]:
Disconnected CMLNOTIFY (0.0.0.0:6400) - Connection closed by foreign host
^C
2014-01-14-10.36.57.738080:
2014-01-14-10.36.57.738153: Recieved signal2
2014-01-14-10.36.57.738176: Shutdown
```

References

- [1] metric: Metric Library Reference. CML Document CML00006-01, Code Magus Limited, September 2010. [PDF](#).