NAME

zupsd – uninterruptible power supply daemon

SYNOPSIS

zupsd [**–DPqtd**[**d**]] [**–f** *file*]

zupsd –h | **–V**

DESCRIPTION

zupsd allows for monitoring the state of one or more UPS devices using SNMP and executing user-specified commands in case of power outage, such as e-mail or pager notifications and controlled remote host shutdowns. If the monitored UPS devices are running on battery, the shutdown commands are executed for an arbitrary number of remote hosts, optionally with some delay specified for each host. Additionally, **zupsd** can be configured to ignore these delays and run the specified commands immediately if the UPS devices are running out of battery power. Custom plugins can easily be added in order to perform arbitrary other checks.

OPTIONS

–D Do not detach the main **zupsd** process from the controlling terminal upon startup. Unless **–q** is specified, log messages will be printed to the standard error output instead of using **syslog**(3). Note that child processes will nonetheless be **fork**(2)ed for notifications and shutdowns.

–d Generate additional messages that contain information normally of use only when debugging **zupsd**. Additionally, if **–d** is specified twice, the source code file and line number will be prepended to each message (this is not supported on all platforms though). If this option is used, this overrides the *debug_level* specified via **zupsd.conf**(5).

–f *file* Read the configuration from *file* instead of using the default configuration file */usr/local/etc/zupsd.conf*.

–h Print a short description of the available command line options to the standard output and exit.

–P Print the (configured or default) **zupsd** process ID file path to the standard output and exit (see the FILE section).

–p *file* Write the process ID of the main **zupsd** process to *file* instead of */var/run/zupsd.pid*. If this option is used, this overrides the *pidfile* specified via **zupsd.conf**(5).

–q Never write messages to the standard error output, use **syslog**(3) only. Without this option, startup errors (such as configuration file parsing problems) would be printed to the standard error output in addition to the system log; or, if **–D** or **–t** was specified, messages would be printed to the standard error output only.

–t Read the current configuration (including the hosts file), test all specified "modules" (usually by trying to query the configured devices), print the results to the standard error output (unless **–q** was specified), and exit.

–V Print **zupsd** version and copyright information to the standard output and exit.

SIGNALS

HUP **zupsd** rereads the configuration file when it receives a hangup signal. If a shutdown process is currently running, it will be terminated and (if still necessary) restarted using the new configuration. If an error is encountered while reading the new configuration, the error is logged and **zupsd** will revert to the old configuration. This signal will be ignored if sent to a (shutdown or notification) child process.

USR1 If there is no shutdown currently running, the USR1 signal tells **zupsd** to initiate a shutdown process. Otherwise, this signal will abort a running shutdown. For the

latter case, the signal may either be sent to the parent process or to the shutdown child.

USR2   If **zupsd** receives an USR2 signal, a shutdown process will be initiated (if not running already) and the shutdown process will go into an "alert" state, which means that user-specified delays will be ignored and all shutdowns will be run immediately. This signal may either be sent to the parent or to a shutdown child process.

For convenience in sending signals, **zupsd** writes its process ID upon startup to the file specified either via the command line option **–p** or via the *pidfile* keyword in **zupsd.conf**(5), or, if neither are used, to the file */var/run/zupsd.pid*.

FILES

/usr/local/etc/zupsd.conf

Default configuration file. A different file can be specified with the command line option **–f** (see above). The file format and configuration options are described in **zupsd.conf**(5).

/usr/local/etc/zupsd-hosts

Default hosts file. A different file can be specified via the *hostsfile* keyword in **zupsd.conf**(5). The file format is described in **zupsd.conf**(5).

/var/run/zupsd.pid

Default process ID file. A different file can be specified via the command line option **–p** or by using the *pidfile* keyword in **zupsd.conf**(5).

/etc/snmp.conf

(The file path may differ on your system.) System configuration file for the **Net-SNMP** library, which is used by **zupsd**. Note that the **Net-SNMP** behaviour which can be configured by using the SNMP related **zupsd.conf**(5) keywords cannot be controlled in this file.

$HOME/.snmp/snmp.conf

User configuration file for the **Net-SNMP** library, which is used by **zupsd**. Note that the **Net-SNMP** behaviour which can be configured by using the SNMP related **zupsd.conf**(5) keywords cannot be controlled in this file.

CAVEATS

Each "module" check (such as an UPS status query) will block the main **zupsd** process until the check is done. Multiple checks are not parallelized. This behaviour might change in a future release of **zupsd**.

SEE ALSO

snmp.conf(5), **zupsd.conf**(5)

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