NAME

vnstat.conf – vnStat configuration file

SYNOPSIS

/etc/vnstat.conf

DESCRIPTION

vnstat(1), **vnstati**(1) and **vnstatd**(1) all use the same configuration file for storing configuration data. Some of the settings are common for all three programs. The file contains keyword-argument pairs, one per line. Lines starting with Arguments may optionally be enclosed in double quotes (") in order to represent arguments containing spaces. Arguments can be padded with spaces or tabulator characters. A hardcoded default value will be used if a keyword can't be found from the configuration file.

COMMON KEYWORDS

DatabaseDir
Specifies the directory where interface databases are to be stored. A full path must be given and a leading '/' isn't required.

Locale Locale setting to be used for prints. This replaces the LC_ALL environment variable. Set to "-" in order to use the system default value. (vnstat and vnstati only)

MonthRotate
Day of month that months are expected to change. Usually set to 1 but can be set to alternative values for example for tracking monthly billed traffic where the billing period doesn't start on the first day. (vnstat and vnstatd only)

DayFormat, MonthFormat, TopFormat
Formatting of date in available outputs. Uses the same format as **date**(1). (vnstat and vnstati only)

RXCharacter, TXCharacter
Character used for representing the percentual share of received and transmitted traffic in daily output. (vnstat only)

RXHourCharacter, TXHourCharacter
Character used for representing the percentual share of received and transmitted traffic in hourly output. (vnstat only)

UnitMode
Select how units are prefixed. 0 = IEC standard prefixes (KiB/MiB/GiB/TiB), 1 = old style binary prefixes (KB/MB/GB/TB). (vnstat and vnstati only)

OutputStyle
Modify the content and style of text outputs. 0 = minimal and narrow output for terminal with limited width, 1 = normal output with bar column visible, 2 = same as 1 except rate is visible in summary and weekly outputs, 3 = rate column is visible in all outputs where it is supported. (vnstat and vnstati only)

RateUnit
Select which unit is used when traffic rate is visible. 0 = bytes, 1 = bits. (vnstat and vnstati only)

Interface
Default interface used when no other interface is specified on the command line. (vnstat and vnstati only)

MaxBandwidth
Maximum bandwidth for all interfaces. If the counted traffic exceeds the given value then the data is assumed to be invalid and rejected. Set to 0 in order to disable the feature. (vnstat and vnstatd only)

MaxBW
Same as MaxBandwidth but can be used for setting individual limits for selected interfaces. The name of the interface is specified directly after the MaxBW keyword without spaces. For example MaxBWeth0 for eth0 and MaxBWppp0 for ppp0. (vnstat and vnstatd only)

Sampletime
Defines how many seconds the -tr option will sample traffic. (vnstat only)

QueryMode
Default query mode when no parameters are given. 0 = normal, 1 = days, 2 = months, 3 = top10, 4 = dumpdb, 5 = short, 6 = weeks, 7 = hours and 8 = xml. (vnstat only)

CheckDiskSpace
Enable or disable the checking of at least some free disk space before a database write. 1 = enabled, 0 = disabled.

UseFileLocking
Enable or disable the use of file locking during database access. Disabling file locking may cause database corruption if several processes are trying to write to the file at the same time.

BootVariation
Time in seconds how much the boot time reported by system kernel can variate between updates.

TrafficlessDays
Log days without any traffic to daily list. 1 = enabled, 0 = disabled. (vnstat and vnstatd only)

DAEMON RELATED KEYWORDS

UpdateInterval
How often in seconds the interface data is updated.

PollInterval
How often in seconds interfaces are checked for status changes.

SaveInterval
How often in minutes cached interface data is saved to file.

OfflineSaveInterval
How often in minutes cached interface data is saved to file when all monitored interfaces are offline.

SaveOnStatusChange
Enable or disable the additional saving to file of cached interface data when the availability of an interface changes, i.e., when an interface goes offline or comes online. 1 = enabled, 0 = disabled.

UseLogging
Enable or disable logging. 0 = disabled, 1 = logfile and 2 = syslog.

LogFile
Specify log file path and name to be used if UseLogging is set to 1.

PidFile Specify pid file path and name to be used.

IMAGE OUTPUT RELATED KEYWORDS

HeaderFormat
Formatting of date in header. Uses the same format as **date**(1).

HourlyRate
Show hours with rate instead of transfered amount. 1 = enabled, 0 = disabled.

SummaryRate
Show rate in summary output if available. 1 = enabled, 0 = disabled.

SummaryLayout
Select the used layout of the summary output. 1 = layout introduced in version 1.8 with monthly traffic included, 0 = layout used before version 1.8, doesn't contain monthly traffic and doesn't support average rate.

TransparentBg
Set background color as transparent. 1 = enabled, 0 = disabled.

CBackground
Background color.

CEdge Edge color if visible.

CHeader
Header background color.

CHeaderTitle
Header title text color.

CHeaderDate
Header date text color.

CText Common text color.

CLine Line color.

CLineL
Lighter version of line color. Set to '-' in order to use a calculated value based on CLine.

CRx Color for received data.

CTx Color for transmitted data.

CRxD Darker version of received data color. Set to '-' in order to use a calculated value based on CRx.

CTxD Darker version of transmitted data color. Set to '-' in order to use a calculated value based on CTx.

FILES

/etc/vnstat.conf
Config file that will be used unless *$HOME/.vnstatrc* exists or alternative value is given as command line parameter.

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SEE ALSO

vnstat(1), **vnstati**(1), **vnstatd**(1), **units**(7)