NAME

`config.stats` - Stats package configuration file

DESCRIPTION

The `config.stats` file contains the user configurable values of the `stats` package. With a `reconfigure services` on the firewall it is merged with the `static.stats` static configuration file to `stats.config`, which is the configuration file used by the `stats` package processes.

The configuration file consists of lines starting with `STATS_` for the configuration. Blank lines and lines starting with # will be skipped. Each `STATS_` configuration item has parameters separated by whitespace.

`STATS_RRDAVERAGE` *points samples name*
: With these lines data archives are defined. Each archive averages *points* raw data points and keeps *samples* such averages. *name* is a human readable identifier which is used by other firewall components, such as the firewall GUI. Raw data points are collected every 60 seconds. The data in an archive is available for *points*x*samples* minutes. Multiple lines are allowed to define multiple archives.

`STATS_BANDWIDTH` *interface bandwidth*
: Define the bandwidth of a firewall network interface. It is used in graphical representations of the interface data. *interface* is the name of the network interface. *bandwidth* is the number of bits per second the interface can handle. If the bandwidth is immediately followed by the letter `K` or `M` the number is interpreted as the number of kilobits or megabits per seconds the interface can handle. Multiple lines are allowed to define the bandwidth of multiple interfaces.

`STATS_TEMPLATE` *name* {`single|multi`} *value* [*value* `...`]
: Defines a template for a statistic. *name* is the template name. `single` or `multi` define if the statistic is expected one time, like CPU statistics, or multiple times, like for each firewall network interface. When `multi` templates are referenced by other configuration items, they are always followed by an identifier, like the name of the network interface. One or more *value* names define which values are collected by the datacollectors for this specific statistic template. Multiple lines are allowed to define multiple templates.

`STATS_RRD` *template* [*identifier*]
: Defines which round robin databases (RRDs) to create. *template* references the name of the template which is used. *identifier* is not used for type `single` templates and is mandatory for type `multi` templates. Each database holds archives for all defined STATS_RRDAVERAGEs. Multiple lines are allowed to create multiple databases.

`STATS_IGNORE` *template*

Defines which templates are not used. All defined templates should either be used in STATS_RRD lines or be ignores with STATS_IGNORE lines. Multiple lines are allowed to ignore multiple templates.

`STATS_DATACOLLECTOR` *collector*

Defines which datacollectors should be executed by the `stats` package. *collector* is an executable located in either the STATS_BINDIR or the STATS_LOCALBINDIR.

`STATS_GRAPH` *template* {`SINGLE`|*identifier*} *label*

Defines which statistics should be displayed in the firewall GUI. *template* is the name of a graphics template definition, either defined in `config.graphs` or in `static.graphs`. The next filed is `SINGLE` for type `single` templates. For type `multi` templates it is the identifier of the resource, like the name of the network interface. *label* is a human readable label for the statistic. It may contain whitespace. It is used in menus and labels by the firewall GUI.

`STATS_TIMESPAN` *label seconds*

Defines which pre-defined time spans for statistics should be displayed in the firewall GUI. *label* is the name used to identify this time span in the GUI menu. The label must not contain whitespace. *seconds* is the number of seconds for this time span.

`STATS_DATADIR` *directory*

Specify an alternative directory where the databases should be stored. Default is `/system/stats/data`. *directory* must be an absolute path to the directory.

`STATS_BINDIR` *directory*

Specify an alternative directory where the stats package binaries can be found. Default is `/usr/local/etc/local/stats/bin`. *directory* must be an absolute path to the directory. Don't use `STATS_BINDIR` to specify the location of your own datacollectors defined with `STATS_DATACOLLECTOR`, use `STATS_LOCALBINDIR` instead.

`STATS_LOCALBINDIR` *directory*

Specify an alternative directory where the user-defined datacollectors can be found. Default is `/usr/local/etc/local/local`. *directory* must be an absolute path to the directory.

`STATS_FIFODIR` *directory*

Specify an alternative directory where the fifos for communication between the datacollectors and the databroker are stored. Default is `/system/stats/fifo`. *directory* must be an absolute path to the directory.

`STATS_INTERVAL` *seconds*

Specify an alternative interval with which data will be collected by the datacollectors. Default is 60 seconds. Don't change this unless you're absolutely sure what you're doing.

`STATS_RRDSTEP` *seconds*

Specify an alternative base interval with which data will be fed into the databases. Default is 60 seconds. Don't change this unless you're absolutely sure what you're doing.

`STATS_RRDHEARTBEAT` *seconds*

Specify an alternative maximum interval between database updates before the data will be marked `UNKNOWN`. Default is 120 seconds. Don't change this unless you're absolutely sure what you're doing.

EXAMPLES

`STATS_RRDAVERAGE 5 2016 week`

Defines an archive which keeps data averaged over 5 minutes for a week (5x2016=10080 minutes).

`STATS_BANDWIDTH eb0 10M`

Defines the `eb0` network interface as a 10 mb/s interface.

`STATS_TEMPLATE mycpu single user system idle`

Definition of a cpu statistics template named mycpu. This template expects values for `user`, `system` and `idle`.

`STATS_RRD mycpu`

Create a database which holds statistics which are defined by the template `mycpu`.

`STATS_GRAPH _cpu SINGLE CPU usage %`

In the GUI display the type `single` statistic `_cpu` (defined in `static.graphs`). The label will be `CPU usage %`.

`STATS_GRAPH _interface eb0 external interface`

In the GUI display the type `multi` statistic `_interface` (defined in `static.graphs`) for interface `eb0`. The label will be `external interface`.

`STATS_TIMESPAN hour 3600`

In the GUI a time span with label `hour` will be displayed. This `hour` spans `3600` seconds.

FILES

`/usr/local/config/config.stats`
Location of the configuration file.

SEE ALSO

`stats(7)`, `config.graphs(5)`.

BUGS

Please report bugs to `fwsupport@tunix.nl`.

AUTHOR

VERSION

Version $Revision: 1.10 $ $Date: 2003/05/16 13:42:18 $ ($Name: STATS_00F $)