Name

remwsgwyd — remws web service network gateway

Synopsis

remwsgwyd [*OPTIONS*]

DESCRIPTION

The remwsgwyd service acts as a network gateway between REMWS web service and clients.

OPTIONS

*-p *port*

Is the network port on which remwsgwyd will accept connections, default value: 9090.

*-l *log-level*

Is the logging level that will be used, default value: debug-level (7). The available logging levels range from 0 to 7 with the following meaning:

- 7 debug level
- 6 informational level
- 5 normal but significant conditions
- 4 *warning* conditions
- 3 *error* conditions
- 2 *critical* conditions
- 1 *alert*, action must be taken immediatly
- 0 system is unusable

*-gcm *message-number*

Activates GC monitoring and checks GC parameters every *message-number* messages, default value: 10.000.

*-gcoap *coalesce-period*

Sets GC coalesce period, default value: 2.

*-gcolp *collection-period*

Sets GC collection period, default value: 2.

*-mt *threshold*

Sets GC memory threshold, default value: 40.000.000 bytes.

*-mm *memory*

Sets the maximum memory amount the eiffel runtime can allocate, default value: 160.000.000 bytes.

*-gct *gc-behaviour*

GC behaviour setup. Three values available:

- t: (tiny) optimize memory allocation for size
- c: (compact) balance memory optimization between speed and size, shrinking allocated memory.
- s: (speed) optimize memory for speed default value: t (tiny).

*-fst

Forces Nino sinle threaded, default value: Nino multi-threaded.

*-t

Uses the testing web service instead of the production one, default value: production server.

*-u

The box runnin *remwsgwyd* is set in UTC, default value: local time.

*-v

Nino set to verbose mode, default value: non verbose.

*-syslog

Uses syslog utilities, default value: do not use.

*-h

Prints a little help on usage.

*-license

Prints the GPLv2 license on screen.

REMARKS

Garbage collection is on by default so it has to be setup to suite your needs. If -h or -license options are used or no parameters are provided remwsgwyd terminates itself.

ENVIRONMENT VARIABLES

There are some environment variables that can/must be defined in order to setup Garbage Collection:

- *EIF_FULL_COALESCE_PERIOD*: Period of full coalesce (in number of collections). If the environment variable EIF_FULL_COALESCE_PERIOD is defined, it is set to the closest reasonable value from it. If null, no full coalescing is launched.
- *EIF_FULL_COLLECTION_PERIOD*: Period of full collection. If the environment variable EIF_FULL_COLLECTION_PERIOD is defined, it is set to the closest reasonable value from it. If null, no full collection is launched.
- *EIF_MEMORY_CHUNK*: Minimal size of a memory chunk. The eiffel run-time always allocates a multiple of this size. If the environment variable EIF_MEMORY_CHUNK is defined, it is set to the closest reasonable value from it.
- *EIF_MEMORY_SCAVENGE*: Size of generational scavenge zone. If the environment variable EIF_MEMORY_SCAVENGE is defined, it is set to the closest reasonable value from it.
- *EIF_TENURE_MAX*: Maximum age of object before being considered as old (old objects are not scanned during partial collection). If the environment variable EIF_TENURE_MAX is defined, it is set to the closest reasonable value from it.

EXAMPLE

```
remwsgwyd -l 1 -gcm 2000 -u -syslog
```

Run the network gateway with log level set to alert, use syslog utilities, monitor gc every 2000 messages, the box running remwsgwyd is setup in UTC.

AUTHOR

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RESOURCES

github: http://https://github.com/lucapaganotti/

SEE ALSO

rt10(1), nmarzi(1), unlogremws(1)

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