µWeb - Feature #545

persistent variables in standalone are needed

2011-12-09 13:30 - Jan Klopper

Status:	Closed	**Start date:**	2011-12-09
Priority:	Normal	**Due date:**	
Assignee:	Jan Klopper	**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:		**Spent time:**	3.00 hours

Description

We need a straightforward sollution for storing persistent information inside the server on standalone uweb instances.

This is needed for the Guard and Configserver programs in Janitor.

History

#1 - 2011-12-12 17:46 - Elmer de Looff

- Status changed from New to Resolved

- Assignee changed from Elmer de Looff to Jan Klopper

- % Done changed from 0 to 70

Each PageMaker instance now comes with a persistent attribute. This links to a class constant which is accessible for each pagemaker instance for the running process.

This class constant is a CacheStorage class, which supports Get, Set and SetDefault methods.

- **Get** retrieves the value for a key, with an optional default (KeyError if none given, unlike dict.get())
- **Set** writes an entry into the cache, (*key*, *value* pair)
- **SetDefault** Gets the value for a key, but if the key does not exist, writes the default value in its place before returning.

The class has been made threadsafe by virtue of a Lock around its methods.

The templateparser and various database connections have been stored in the CacheStorage as well, in the knowledge that neither Apache or Standalone run multiple threads per process (if they would, SQLTalk.mysql would abort, this seems very much not the case). This has increased the performance measured in #526 from 2200 req/s to ~2800 req/s under similar conditions).

#2 - 2011-12-13 14:01 - Jan Klopper

- Status changed from Resolved to Closed

- % Done changed from 70 to 100

seems to work