

NAME

Mail::Box::Locker::Multi – lock a folder in all ways which work

INHERITANCE

```
Mail::Box::Locker::Multi
  is a Mail::Box::Locker
  is a Mail::Reporter
```

SYNOPSIS

See Mail::Box::Locker

DESCRIPTION

The `::Multi` locker locks a folder in each way it can. This way, the chance is highest that any other program will leave the folder alone during our access to it.

NFS-lock and Flock are tried. More may be added when the ways to lock are extended. DotLock overlaps with NFS-lock, but NFS-lock is safer, so that version is preferred.

Extends “DESCRIPTION” in Mail::Box::Locker.

METHODS

Extends “METHODS” in Mail::Box::Locker.

Constructors

Extends “Constructors” in Mail::Box::Locker.

Mail::Box::Locker::Multi->**new**(%options)

You may also pass all %options understood by the initiated lockers used by the multi locker.

-Option	--Defined in	--Default
expires	Mail::Box::Locker	1 hour
file	Mail::Box::Locker	undef
folder	Mail::Box::Locker	<undef>
log	Mail::Reporter	'WARNINGS'
method	Mail::Box::Locker	'MULTI'
timeout	Mail::Box::Locker	10
trace	Mail::Reporter	'WARNINGS'
use		<all possible>

expires => SECONDS

file => FILENAME

folder => FOLDER

log => LEVEL

method => STRING|CLASS|ARRAY

timeout => SECONDS|'NOTIMEOUT'

trace => LEVEL

use => ARRAY-of-(NAMES|LOCKER)

Array of locker type NAMES or LOCKER objects to be used to lock one folder. The type NAMES are converted into objects. When you create your own LOCKER objects, be sure to set the timeout very short (preferably to 1).

Some locking types are not available on some platforms, so they will not be excluded from the default list (NFS POSIX Flock).

example: using a subset of multi-lockers

```
my $locker = Mail::Box::Locker::Multi->new(use => ['DOTLOCK', 'FLOCK']);
```

Attributes

Extends “Attributes” in Mail::Box::Locker.

`$obj->expires([SECONDS])`
 Inherited, see “Attributes” in Mail::Box::Locker

`$obj->timeout([SECONDS])`
 Inherited, see “Attributes” in Mail::Box::Locker

The Locker

Extends “The Locker” in Mail::Box::Locker.

`$obj->filename([$filename])`
 Inherited, see “The Locker” in Mail::Box::Locker

`$obj->folder([$folder])`
 Inherited, see “The Locker” in Mail::Box::Locker

`$obj->lockers()`
 Returns a list with all locker objects used by this object.

`$obj->name()`
 Inherited, see “The Locker” in Mail::Box::Locker

Locking

Extends “Locking” in Mail::Box::Locker.

`$obj->hasLock()`
 Inherited, see “Locking” in Mail::Box::Locker

`$obj->isLocked()`
 Inherited, see “Locking” in Mail::Box::Locker

`$obj->lock($folder)`
 Inherited, see “Locking” in Mail::Box::Locker

`$obj->unlock()`
 Inherited, see “Locking” in Mail::Box::Locker

Error handling

Extends “Error handling” in Mail::Box::Locker.

`$obj->AUTOLOAD()`
 Inherited, see “Error handling” in Mail::Reporter

`$obj->addReport($object)`
 Inherited, see “Error handling” in Mail::Reporter

`$obj->defaultTrace([$level][[$loglevel, $tracelevel]][$level, $callback])`

Mail::Box::Locker::Multi->defaultTrace([\$level][[\$loglevel, \$tracelevel]][\$level, \$callback])
 Inherited, see “Error handling” in Mail::Reporter

`$obj->errors()`
 Inherited, see “Error handling” in Mail::Reporter

`$obj->log([$level, [$strings]])`
 Mail::Box::Locker::Multi->log([\$level, [\$strings]])
 Inherited, see “Error handling” in Mail::Reporter

`$obj->logPriority($level)`
 Mail::Box::Locker::Multi->logPriority(\$level)
 Inherited, see “Error handling” in Mail::Reporter

`$obj->logSettings()`
 Inherited, see “Error handling” in Mail::Reporter

`$obj->notImplemented()`
 Inherited, see “Error handling” in Mail::Reporter

`$obj->report([$level])`

Inherited, see “Error handling” in Mail::Reporter

`$obj->reportAll([$level])`

Inherited, see “Error handling” in Mail::Reporter

`$obj->trace([$level])`

Inherited, see “Error handling” in Mail::Reporter

`$obj->warnings()`

Inherited, see “Error handling” in Mail::Reporter

Cleanup

Extends “Cleanup” in Mail::Box::Locker.

`$obj->DESTROY()`

Inherited, see “Cleanup” in Mail::Box::Locker

DIAGNOSTICS

Error: Package `$package` does not implement `$method`.

Fatal error: the specific package (or one of its superclasses) does not implement this method where it should. This message means that some other related classes do implement this method however the class at hand does not. Probably you should investigate this and probably inform the author of the package.

SEE ALSO

This module is part of Mail-Box distribution version 3.009, built on August 18, 2020. Website: <http://perl.overmeer.net/CPAN/>

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