

**NAME**

Mail::Box::Locker::FcntlLock – lock a folder using File::FcntlLock

**INHERITANCE**

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

**SYNOPSIS**

See Mail::Box::Locker

**DESCRIPTION**

This locker object uses File::FcntlLock, and was contributed by Jim in Aus. It is close to Mail::Box::Locker::POSIX, but does work on more systems, for instance Darwin.

You will need to install File::FcntlLock separately: there is no dependency to it by the MailBox distribution.

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

**METHODS**

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

**Constructors**

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

```
Mail::Box::Locker::FcntlLock->new(%options)
  -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 FcntlLock
  timeout Mail::Box::Locker 10
  trace   Mail::Reporter    'WARNINGS'

  expires => SECONDS
  file    => FILENAME
  folder  => FOLDER
  log     => LEVEL
  method  => STRING|CLASS|ARRAY
  timeout => SECONDS|'NOTIMEOUT'
  trace   => LEVEL
```

**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->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()`

`$obj->lock()`

`$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::FcntlLock->**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::FcntlLock->**log**( [\$level, [\$strings]] )  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->logPriority($level)`  
 Mail::Box::Locker::FcntlLock->**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

Warning: Folder `$folder` already lockf'd

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.

Error: Unable to check lock file `$filename` for `$folder`: `!`

To check whether the filename is used to flock a folder, the file must be opened. Apparently this fails, which does not mean that the folder is locked neither that it is unlocked.

Error: Unable to open FcntlLock lock file `$filename` for `$folder`: `!`

For FcntlLock style locking, a folder it must be opened, which does not succeed for the specified reason.

Error: Will never get a FcntlLock lock at `$filename` for `$folder`: `!`

Tried to lock the folder, but it did not succeed. The error code received from the OS indicates that it will not succeed ever, so we do not need to try again.

## 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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