

NAME

Mail::Box::Locker::NFS – lock a folder with a separate file, NFS–safe

INHERITANCE

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

SYNOPSIS

```
See Mail::Box::Locker
```

DESCRIPTION

Like the `::DotLock` locker, but then in an NFS-safe fashion. Over NFS, the creation of a file is not atomic. The `::DotLock` locker depends on an atomic `open` system call, hence is not usable to lock a folder which accessed over NFS. The `::NFS` locker is therefore more complicated (so therefore slower), but will work for NFS —and for local disks as well.

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

METHODS

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

Constructors

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

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

--Option	--Defined in	--Default
<code>expires</code>	Mail::Box::Locker	1 hour
<code>file</code>	Mail::Box::Locker	undef
<code>folder</code>	Mail::Box::Locker	<undef>
<code>log</code>	Mail::Reporter	'WARNINGS'
<code>method</code>	Mail::Box::Locker	'NFS'
<code>timeout</code>	Mail::Box::Locker	10
<code>trace</code>	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()`
 Inherited, see “Locking” in Mail::Box::Locker

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

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

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

`$obj->logPriority($level)`
`Mail::Box::Locker::NFS->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 locked over nfs

Do not try to lock the folder when the application already has the lock: it will give you dead-locks.

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.

Warning: Removed expired lockfile `$filename`.

A lock file was found which was older than the expiration period as specified with `new(timeout)`. The lock file was successfully removed.

Error: Unable to remove expired lockfile `$lockfile`: `$!`

A lock file was found which was older than the expiration period as specified with the `new(timeout)` option. It is impossible to remove that lock file, so we need to wait until it vanishes by some external cause.

SEE ALSO

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

LICENSE

Copyrights 2001–2020 by [Mark Overmeer]. For other contributors see ChangeLog.

This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself. See <http://dev.perl.org/licenses/>