

Objective C static code analysis: Exceptions should not be thrown in finally blocks

1 minute

Throwing an exception from within a finally block will mask any exception which was previously thrown in the try or catch block, and the masked's exception message and stack trace will be lost.

Noncompliant Code Example

```
void openResource() {
    @throw [NSException
exceptionWithName:@"FileNotFoundException" reason:@"File Not
Found on System" userInfo:nil];
}

void fun() {
    @try {
        openResource();
    }
    @finally {
        closeResource();
        @throw ... ; // Noncompliant - will mask previous exception
    }
}
```

Compliant Solution

```
void openResource() {
    @throw [NSException
exceptionWithName:@"FileNotFoundException" reason:@"File Not
Found on System" userInfo:nil];
}

void fun() {
    @try {
        openResource();
    }
    @finally {
        closeResource();
    }
}
```

See

- [CERT, ERR05-J.](#) - Do not let checked exceptions escape from a finally block

Available In: