



## Sec Bug #79082 Files added to tar with Phar::buildFromIterator have all-access permissions

Submitted: 2020-01-08 17:42 UTC  
From: dr at loopia dot rs  
Status: Closed  
PHP Version: 7.2.27  
Private report: No  
Modified: 2020-02-17 08:21 UTC  
Assigned: [stas \(profile\)](#)  
Package: [PHAR related](#)  
OS: Ubuntu 16.04.6 LTS  
CVE-ID: [2020-7063](#)

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[2020-01-08 17:42 UTC] dr at loopia dot rs

Description:

When using PharData::buildFromIterator() to create a Tar archive file permissions are not kept.

Same bug as #77022 but its triggered by using buildFromIterator. Making a new report rather than comment on #77022 because #77022 was marked as "SEC BUG".

Even adding the same file with iterator and with addFile(\$file, 'new-name') will result in a tar archive with two files with different permissions.

Test script:

<https://3v41.org/qCPRH>

```
<?php
var_dump(decoct(umask(22)));
$srcDir = '/tmp/files';
mkdir($srcDir);
foreach([1, 2] as $i){
    $file = tempnam($srcDir, 'test');
    printf("File$i - %o\n", stat($file)['mode']);
}
$phar = new \PharData('/tmp/test.tar', null, null, \Phar::TAR);
$phar->buildFromIterator(new \RecursiveDirectoryIterator($srcDir, \FilesystemIterator::SKIP_DOTS), $srcDir);

$phar->addFile($file, 'added-with-add-file');
$phar->extractTo('/tmp/pharFiles');

foreach(new \RecursiveDirectoryIterator('/tmp/pharFiles', \FilesystemIterator::SKIP_DOTS) as $iFile) {
    printf('From ' . ($iFile->getFilename() === 'added-with-add-file' ? 'addFile':'Iterator'). " - %o\n", $iFile->getPerms());
}
```

Expected result:

Files added to tar using PharData::buildFromIterator should keep the original permissions or respect the umask, same as files added by using PharData::addFile.

From addFile - 100600  
From Iterator - 100600

Actual result:

Files added from iterator don't keep correct permissions

From addFile - 100600  
From Iterator - 100666

Before #77022 was fixed  
From addFile - 100666  
From Iterator - 100666

## Patches

[Add a Patch](#)

## Pull Requests

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## History

[All](#) [Comments](#) [Changes](#) [Git/SVN commits](#) [Related reports](#)

[2020-02-16 06:00 UTC] [stas@php.net](#)

-PHP Version: 7.3.13  
+PHP Version: 7.2.28  
-CVE-ID:  
+CVE-ID: 2020-7063

[2020-02-16 06:00 UTC] [stas@php.net](#)

-PHP Version: 7.2.28  
+PHP Version: 7.2.27

[2020-02-16 06:02 UTC] [stas@php.net](#)

-Summary: Files added to tar with Phar::buildFromIterator trigger bug #77022  
+Summary: Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-16 06:18 UTC] [stas@php.net](#)

-Assigned To:  
+Assigned To: stas

[2020-02-16 06:18 UTC] [stas@php.net](#)

Patch in security repo as 9c4b2b282129f9f3b5aeea7a45bfeb5bdf8e321e and in <https://gist.github.com/smalyshov/8e023915d57a986de3593a93b62f169a>. Please verify.

[2020-02-17 08:21 UTC] [stas@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=e5c95234d87fcb8f6b7569a96a89d1e1544749a6>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-17 08:21 UTC] [stas@php.net](#)

-Status: Assigned  
+Status: Closed

[2020-02-17 08:21 UTC] [stas@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=6facfa59a5273a7084fabe13f215bb17215218c4>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-17 08:21 UTC] [stas@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=bbcb8cab8cdace25d481f2ade0539f75b0fa8c43>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-17 08:21 UTC] [stas@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=bcbcb053dc1223e20954caf68b43aea2c64e339ad>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-17 09:54 UTC] [dmitry@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=bbcb8cab8cdace25d481f2ade0539f75b0fa8c43>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-17 18:11 UTC] [cmb@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=e5c95234d87fcb8f6b7569a96a89d1e1544749a6>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-17 18:11 UTC] [cmb@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=6facfa59a5273a7084fabe13f215bb17215218c4>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-18 08:14 UTC] [cmb@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=2589f5bd83ff644d8345bb9c684fc4338435a3a3>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions

[2020-02-18 10:16 UTC] [derick@php.net](#)

Automatic comment on behalf of stas  
Revision: <http://git.php.net/?p=php-src.git;a=commit;h=e4d40a66785aedaa393f953a0ed9224adaf040cd>  
Log: Fix [bug #79082](#) - Files added to tar with Phar::buildFromIterator have all-access permissions