

Pulp - Story #6335

As a Pulp administrator, I have a setting to mark which areas of the filesystem are safe for export

03/13/2020 06:32 PM - daviddavis

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	daviddavis	% Done:	100%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:	3.3.0	Tags:	
Platform Release:		Sprint:	Sprint 69
Groomed:	Yes	Quarter:	
Sprint Candidate:	Yes		

Description

The Concern

Using the file system exporter, users can export to any path on the file system that the pulp worker has access to. This is not safe between users and not safe for a Pulp administrator.

The solution

A new setting named ALLOWED_EXPORT_PATHS will be introduced. This will be the "brother" to the ALLOWED_IMPORT_PATHS setting from [Issue 5974](#) except for restricting exports instead of imports.

The default

By default you can't export anywhere for security reasons. So the default will be ALLOWED_EXPORT_PATHS = []

Examples

If configured with ALLOWED_EXPORT_PATHS = ["/mnt/exports", "/var/lib/pulp/exports"] you could export to any realpath that is at or a subpath of either /mnt/exports/ or /var/lib/pulp/exports.

So these would be allowed:

```
/mnt/exports/foo/  
/mnt/exports/bar/..  
/mnt/exports/  
/var/lib/pulp/exports/asdf/
```

These would *not* be allowed:

```
/some/other/dir/  
/mnt/exports/..
```

Where to enforce and validate?

Validation should occur at Exporter runtime and occur at BaseExporter.

using realpath

We should use [Python's realpath](#) to handle any .. or attempts to break out of the path. realpath should be used before the path check

happens.

Associated revisions

Revision 8f39ea9b - 03/24/2020 08:04 PM - daviddavis

Added ALLOWED_EXPORT_PATHS setting

fixes #6335

History

#1 - 03/17/2020 03:46 PM - fao89

- *Tracker changed from Issue to Story*
- *% Done set to 0*
- *Sprint Candidate changed from No to Yes*

#2 - 03/17/2020 10:11 PM - bmbouter

- *Subject changed from Users can export to any file path to As a Pulp administrator, I have a setting to mark which areas of the filesystem are safe for export*
- *Description updated*

#3 - 03/17/2020 10:11 PM - bmbouter

- *Description updated*

#4 - 03/17/2020 10:19 PM - daviddavis

- *Groomed changed from No to Yes*

#5 - 03/20/2020 02:55 PM - rchan

- *Sprint set to Sprint 69*

#6 - 03/20/2020 07:49 PM - daviddavis

- *Status changed from NEW to ASSIGNED*
- *Assignee set to daviddavis*

#7 - 03/24/2020 07:53 PM - pulpbot

- *Status changed from ASSIGNED to POST*

PR: <https://github.com/pulp/pulpcore/pull/607>

#8 - 03/24/2020 08:41 PM - daviddavis

- *Status changed from POST to MODIFIED*
- *% Done changed from 0 to 100*

Applied in changeset [pulpcore|8f39ea9b3b632e5eaf6edde918f60a611ec9b951](#).

#9 - 04/15/2020 09:55 PM - ttereshc

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*
- *Sprint/Milestone set to 3.3.0*