

canonical / lxd Public

<> Code Issues 356 Pull requests 45 Actions Security and quality 17

# Import: Create backup config from index #17921

Merged tomponline merged 12 commits into canonical:main from roosterfish:backup\_validation 2 weeks ago

Conversation 39 Commits 12 Checks 65 Files changed 8



roosterfish commented 3 weeks ago • edited

Contributor

When importing a backup, out-rule inconsistencies by creating a backup's config from its index. Furthermore don't anymore include the backup config in non-optimized exports, as it can always be re-created from the index (it's a sub type of it).



github-advanced-security bot found potential problems 3 weeks ago

View reviewed changes

test/suites/backup.sh Fixed

Show fixed



roosterfish force-pushed the backup\_validation branch 2 times, most recently from 28def1c to a0f778b 3 weeks ago Compare



tomponline reviewed 3 weeks ago

View reviewed changes

test/includes/test-groups.sh Outdated

Show resolved



tomponline reviewed 3 weeks ago

View reviewed changes

lxd/backup/config/backup\_config.go Outdated Show resolved

**roosterfish** force-pushed the `backup_validation` branch from `a0f778b` to `3e764a8` Compare  
3 weeks ago

**roosterfish** changed the title Import: Better validate broken backups **Import: Better validate inconsistent backups** 3 weeks ago

**roosterfish** force-pushed the `backup_validation` branch 4 times, most recently from `b8ba5ba` to `4e05beb` 3 weeks ago Compare

**roosterfish** marked this pull request as ready for review 3 weeks ago

**roosterfish** requested a review from **tomponline** 3 weeks ago

**lxd: Pass backup index into internalImportFromBackup** ... f78210d

**roosterfish** force-pushed the `backup_validation` branch from `4e05beb` to `d369278` Compare  
2 weeks ago

**roosterfish** marked this pull request as draft 2 weeks ago

**roosterfish** force-pushed the `backup_validation` branch from `d369278` to `c452cc9` Compare  
2 weeks ago


**roosterfish** added 3 commits 2 weeks ago

**lxd/api\_internal: Don't use backup config from disk** ... 79dbba5

**lxd/instances\_post: Add a note when the backup config gets persisted** ... dc2c416

**lxd/backup: Don't anymore persist changes in UpdateInstanceConfig** ... 40a324e



 **roosterfish** force-pushed the `backup_validation` branch from `c452cc9` to `22d21ce` [Compare](#)  
[2 weeks ago](#)

  **roosterfish** closed this [2 weeks ago](#)

  **roosterfish** reopened this [2 weeks ago](#)

  **roosterfish** changed the title Import: Better validate inconsistent backups **Import: Create backup config from index** [2 weeks ago](#)

  **roosterfish** marked this pull request as ready for review [2 weeks ago](#)

**roosterfish** commented [2 weeks ago](#)

[Contributor](#) [Author](#)

[@tomponline](#) ready for another pass now.

  **tomponline** reviewed [2 weeks ago](#)

[View reviewed changes](#)

`lxd/instances_post.go` [Outdated](#)



[Show resolved](#)

  **tomponline** reviewed [2 weeks ago](#)

[View reviewed changes](#)

`lxd/storage/backend_lxd.go` [Outdated](#)

[Show resolved](#)

  **roosterfish** force-pushed the `backup_validation` branch from `7f64fe9` to `75846b7` [Compare](#)  
[2 weeks ago](#)

  **tomponline** requested a review from **Copilot** [2 weeks ago](#)

20 hidden items


[Load more...](#)

 **Copilot** [started reviewing](#) on behalf of **tomponline** [2 weeks ago](#)

[View session](#)

 **tomponline** previously approved these changes [2 weeks ago](#)

[View reviewed changes](#)

 **tomponline** left a comment

Member

Thanks!

 **Copilot**  reviewed [2 weeks ago](#)

[View reviewed changes](#)

 **Copilot**  left a comment

## Pull request overview

This PR changes LXD's backup import/export flow so that the backup "config" is (re)created from `backup/index.yaml` during import, and `backup.yaml` is no longer included in non-optimized exports, reducing the chance of inconsistencies between index and config.

### Changes:

- Import: update the embedded backup config in the parsed index and use it as the source of truth during restore.
- Export: stop writing/including `backup.yaml` in non-optimized tar exports.
- Tests: extend backup metadata assertions and add a new test covering inconsistent index/config scenarios.

### Reviewed changes

Copilot reviewed 8 out of 8 changed files in this pull request and generated 12 comments.

- ▶ Show a summary per file
- ▶ Comments suppressed due to low confidence (1)






- lxd/api\_internal.go Show resolved
- lxd/storage/drivers/generic\_vfs.go Outdated Show resolved
- lxd/storage/drivers/generic\_vfs.go Outdated Show resolved
- lxd/api\_internal.go Show resolved
- test/suites/backup.sh Show resolved

2 hidden conversations  
[Load more...](#)



- lxd/backup/backup\_config\_utils.go Show resolved
- lxd/instances\_post.go Outdated Show resolved
- test/suites/backup.sh Show resolved
- test/suites/backup.sh Show resolved
- lxd/backup.go Show resolved

**roosterfish** added 8 commits 2 weeks ago


- lxd/instances\_post: Don't update the instance's backup config during ... db1d50c
- lxd/instances\_post: Also update index' instance root volume name 17e8b41
- lxd: Include all the backup configs data also in the index f80b0d7
- lxd/storage: Don't update backup config prior to export 6174842
- lxd/storage/drivers/generic\_vfs: Always exclude backup config from ta... 2031d7a

-  [test/suites/backup: Add test\\_backup\\_inconsistent\\_config](#) ... [@ba3066](#)
-  [test/suites/backup: Fix check for vols in index.yaml](#) ... [81290fa](#)
-  [lxd/api\\_internal: Update comment on internalImportFromBackup](#) ... [@fe9b1f](#) ✓

  **roosterfish** dismissed **tomponline**'s [stale review](#) via [@fe9b1f](#) [2 weeks ago](#)

  **roosterfish** [force-pushed](#) the `backup_validation` branch from `75846b7` to `0fe9b1f` [2 weeks ago](#) [Compare](#)

 **roosterfish** added a commit to roosterfish/lxd that referenced this pull request [2 weeks ago](#)



 [lxd/api\\_internal: Remove dead code](#) ... [f3837d5](#)


  **roosterfish** mentioned this pull request [2 weeks ago](#)

### Import: Remove dead code #17957



 Merged



  **roosterfish** requested a review from **tomponline** [2 weeks ago](#)


  **tomponline** approved these changes [2 weeks ago](#)  
[View reviewed changes](#)

 **tomponline** left a comment Member

LGTM thanks!

  **tomponline** merged commit `06637bf` into `canonical:main` [2 weeks ago](#) [View details](#)  
121 of 122 checks passed


  **roosterfish** deleted the `backup_validation` branch [2 weeks ago](#)

 **tomponline** added a commit that referenced this pull request [2 weeks ago](#)

 [Import: Remove dead code \(#17957\)](#) ... ✓ [0f85c69](#)

 **roosterfish** mentioned this pull request [2 weeks ago](#)

**[Backport backup validation \(stable-5.21\) #17967](#)**


 Merged


 **roosterfish** added a commit to roosterfish/lxd that referenced this pull request [2 weeks ago](#)

 [lxd/instances\\_post: Also update index' instance root volume name](#) ... [b06046a](#)

 **roosterfish** mentioned this pull request [2 weeks ago](#)

**[Backport backup validation \(stable-5.0\) #17968](#)**


 Merged

 **tomponline** added a commit that referenced this pull request [2 weeks ago](#)

 [Backport backup validation \(stable-5.0\) \(#17968\)](#) ... ✓ [dd405af](#)

 **tomponline** pushed a commit that referenced this pull request [2 weeks ago](#)

 [lxd/instances\\_post: Also update index' instance root volume name](#) ... [acb4c74](#)

 **tomponline** added a commit that referenced this pull request [2 weeks ago](#)


 [Backport backup validation \(stable-5.21\) \(#17967\)](#) ... ✓ [fcb6a50](#)

 **tomponline** added a commit to tomponline/lxd-pkg-snap that referenced this pull request [2 weeks ago](#)

 [lxd: Cherry-picks](#) ... ✓ [9c439c3](#)

 **tomponline** mentioned this pull request [2 weeks ago](#)

**[lxd: Cherry-picks \(latest-candidate\) canonical/lxd-pkg-snap#1138](#)**

 Merged

 **tomponline** added a commit to canonical/lxd-pkg-snap that referenced this pull request [2 weeks ago](#)

 [lxd: Cherry-picks \(latest-candidate\) \(#1138\)](#) ... ✓ [6098bdc](#)

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**Reviewers**

 **Copilot**



 **tomponline**



**Assignees**

No one assigned

**Labels**

None yet

**Projects**

None yet

**Milestone**

No milestone

**Development**

Successfully merging this pull request may close these issues.

None yet

**4 participants**

