

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test/includes/test-groups.sh Outdated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lxd/backup/config/backup_config.go Outdated Show resolved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` Compare
3 weeks ago

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` [Compare](#)
[2 weeks ago](#)

 **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](#)
121 of 122 checks passed

[View details](#)

  **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

