

NAME

guestfs-release-notes – libguestfs Release Notes

RELEASE NOTES FOR LIBGUESTFS 1.44

Language bindings

Python 2 support has been dropped. The minimum version of Python required is 3.6.

Python bindings no longer use deprecated `PyEval_ThreadsInitialized`.

Python bindings now include type hints (Sam Eiderman).

Erlang bindings now use `libei` instead of `liberl_interface` (Sergei Golovan).

Tools

virt-get-kernel (1) can now find uncompressed kernels (Pino Toscano).

virt-sysprep (1) now regenerates the guest certificate store when a certificate is removed from the guest (Pino Toscano).

virt-sysprep (1) can now remove IPA enrollment files and Kerberos keytabs (Pino Toscano, Christian Heimes and François Cami).

API

New APIs

`cryptsetup-open` and `cryptsetup-close` replace `luks-open`, `luks-open-ro` and `luks-close`. The new APIs add support for BitLocker encryption.

Other API changes

`lvm-canonical-lv` no longer produces a noisy error message when called with a non-LV parameter.

Build changes

C programs using libguestfs can now be compiled against the build directory:

```
../libguestfs/run ./configure
../libguestfs/run make
```

OCaml components are now linked correctly when building in a different directory from the source (Geoff Toole).

GCC LTO is now supported.

Weblate is now used for localization instead of Zanata (Pino Toscano).

The dependencies for `guestfsd` are no longer hard-coded but are now generated from the built binary, ensuring that they shouldn't get out of synch in future (Hilko Bengen).

Internals

`lib/guestfs.h` was moved to `include/guestfs.h` in the source. This is not an externally visible change but affected a lot of places inside the build system.

Bugs fixed

<https://bugzilla.redhat.com/1811539>

The `virt-diff` command doesn't work on windows 2019 image

<https://bugzilla.redhat.com/1384241>

The `tar-in` command does not allow restoring file capabilities

SEE ALSO

guestfs-examples (1), **guestfs-faq** (1), **guestfs-performance** (1), **guestfs-recipes** (1), **guestfs-testing** (1), **guestfs** (3), **guestfish** (1), <http://libguestfs.org/>

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BUGS

To get a list of bugs against libguestfs, use this link:
<https://bugzilla.redhat.com/buglist.cgi?component=libguestfs&product=Virtualization+Tools>

To report a new bug against libguestfs, use this link:
https://bugzilla.redhat.com/enter_bug.cgi?component=libguestfs&product=Virtualization+Tools

When reporting a bug, please supply:

- The version of libguestfs.
- Where you got libguestfs (eg. which Linux distro, compiled from source, etc)
- Describe the bug accurately and give a way to reproduce it.
- Run **libguestfs-test-tool** (1) and paste the **complete, unedited** output into the bug report.