Software: Cockpit, Curl, gtherm, Kaidan, libredwg

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- **Cockpit 210 and Cockpit-podman 12** [2]

     Cockpit is the modern Linux admin interface. We release regularly. Here are the release notes from version 210.

- **curl 7.68.0 with etags and BearSSL** [3]

     We ship a new TLS backend: BearSSL. The 14th.

     We ship two new command line options for ETags.

     We provide a new API call to wakeup ?sleeping? libcurl poll calls.

     We changed the default handling in libcurl with OpenSSL for verifying certificates. We now allow ?partial chains? by default, meaning that you can use an intermediate cert to verify the server cert, not necessarily the whole chain to the root, like you did before. This brings the OpenSSL backend to work more similar to the other TLS backends, and we offer a new option for applications to switch back on the old behavior (CURLSSLOPT_NO_PARTIALCHAIN).

     The progress callback has a new feature: if you return CURL_PROGRESSFUNC_CONTINUE from the callback, it will continue and call the internal progress meter.

     The new command line option --parallel-immediate is added, and if used will make curl do parallel transfers like before 7.68.0. Starting with 7.68.0, curl will default to defer new connections and rather try to multiplex new transfer over an existing connection if more than one transfer is specified to be done from the same host name.

- **[Introducing gtherm](#)** [4]

  Continuous temperature monitoring from the kernel's /sys/class/thermal/ in an application can be cumbersome. gtherm aims to make that simpler by providing a daemon (gthd) that exports thermal zones and cooling cells over DBus and providing a small library libgtherm (and GObject introspection bindings). gthcli is a simple command line client that displays the currently found values...

- **[Kaidan for the Masses: Our Upcoming 9-seconds-registration](#)** [5]

  What?s XMPP?s biggest problem? - Accessibility!

  Sure, it is accessible for the people who are really interested in XMPP or want to be more secure, but the normal user doesn?t want to study XMPP before they know what to do.

  That?s why we work on an easy-to-use registration, which makes all decisions for a new user, but still ensures the highest possible security and decentralization. This means that even the password is randomly generated (it is changeable later on). In the end it only takes a few clicks to get to your new account, which is hosted by an automatically chosen public server which supports all of Kaidan?s features.

  The user may choose to use the suggested server, username and password or to use own values. So, now switching from your old messenger to Kaidan (or other XMPP-based clients) is much easier. Therefore, you can invite your friends to XMPP and instantly start chatting with them.

- **[libredwg-0.10 released](#)** [6]

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Some minor API changes and bugfixes, mostly stabilization.
API breaking changes:
  * added a new int *isnewp argument to all dynapi utf8text getters,
    if the returned string is freshly malloced or not.
  * removed the UNKNOWN supertype, there are only UNKNOWN_OBJ and UNKNO
    left, with common_entity_data.
  * renamed BLOCK_HEADER.preview_data to preview, preview_data_size to
  * renamed SHAPE.shape_no to style_id
  * renamed CLASS.wasazombie to is_zombie
Major bugfixes:
  * Improved building the perl5 binding, proper dependencies.
    Set proper -I and -L paths, create LibreDWG.c not swig_perl.c
  * Harmonized INDXFB with INDXF, removed extra src/in_dxfb.c (#134).
    Slimmed the .so size by 260Kb. Still untested though.
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    * Fixed encoding of added r2000 AUXHEADER address (broken since 0.9)
    * Fixed EED encoding from dwgrewrite (a dxf2dwg regression from 0.9)
Minor bugfixes:
  * Many fuzzing and static analyzer fixes for dwg2dxf, dxf2dwg, dwgrew
    including a stack-overflow on outdxf cquote. (#172-174, #178, #179)
    dwgrewrite and indxf are pretty robust now, but still highly experi
    as many dxf2dwg import and DWG validity tests are missing.
    indxf still has many asserts on many structural DXF errors.
  * Protect indxf from many NULL ptr, overflows and truncation.
  * Fixed most indxf and encode leaks. (#151)
  * More section decoders protections from invalid (fuzzed) values.
  * Stabilized the ASAN leak tests for make check.
  * Fix MULTILEADER.ctx.lline handles <r2010
  * Fix indxf color.alpha; at DXF 440
  * Fixed most important make scan-build warnings, the rest are mostly
Other newsworthy changes:
  * Added LIBREDWG_VERSION et al to include/dwg.h
  * Added support for AcDb3dSolid history_id (r2007+)
  * Improved the indxf speed in new_object. Do a proper linear search,
    break on first found type.
  * Rename the ./dxf helper to ./dwg, and added a ./dxf test helper.
  * dxf2dwg got a new experimental --force-free option to check for lea
    UAF or double-free's.
  * Allow -o /dev/null sinks for dxf2dwg and dwg2dxf, for faster fuzzin
  * Harmonized *.spec formatting and adjusted gen-dynapi.pl
  * Harmonized out_dxfb with out_dxf, e.g. the new mspace improvements
Here are the compressed sources:
  http://ftp.gnu.org/gnu/libredwg/libredwg-0.10.tar.gz   (10.9MB)
  http://ftp.gnu.org/gnu/libredwg/libredwg-0.10.tar.xz   (4.5MB)
Here are the GPG detached signatures[*]:
  http://ftp.gnu.org/gnu/libredwg/libredwg-0.10.tar.gz.sig
  http://ftp.gnu.org/gnu/libredwg/libredwg-0.10.tar.xz.sig
Use a mirror for higher download bandwidth:
  https://www.gnu.org/order/ftp.html
Here are more binaries:
  https://github.com/LibreDWG/libredwg/releases/tag/0.10
Here are the SHA256 checksums:
e890b4d3ab8071c78c4eb36e6f7ecd30e7f54630b0e2f051b3fe51395395d5f7  libre
8c37c4ef985e4135e3d2020c502c887b6115cdbbab2148b2e730875d5659cd66  libre
[*] Use a .sig file to verify that the corresponding file (without the
.sig suffix) is intact.  First, be sure to download both the .sig file
and the corresponding tarball.  Then, run a command like this:
  gpg --verify libredwg-0.10.tar.gz.sig
If that command fails because you don't have the required public key,
then run this command to import it:
  gpg --keyserver keys.gnupg.net --recv-keys B4F63339E65D6414
and rerun the 'gpg --verify' command.
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[Software](#)