kleo / CMakeLists.txt

8bc75a320b6f MASTER

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CMakeLists.txt

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```
8458194b302f  # SPDX-FileCopyrightText: none
              # SPDX-License-Identifier: BSD-3-Clause
0e1ebcfe2416  cmake_minimum_required(VERSION 3.16 FATAL_ERROR)
df10b89aab78  
5c00ccee9f4c  set(RELEASE_SERVICE_VERSION_MAJOR "23")
              set(RELEASE_SERVICE_VERSION_MINOR "03")
42c9be0d72a5  set(RELEASE_SERVICE_VERSION_MICRO "70")
7479e2713e32  
              # The RELEASE_SERVICE_VERSION is used by Gpg4win to add the Gpg4win version
              if (NOT RELEASE_SERVICE_VERSION)
                  set(RELEASE_SERVICE_VERSION "${RELEASE_SERVICE_VERSION_MAJOR}.${RELEASE_SERVICE_VERSION_MINOR}.${RELEASE_SERVICE_VERSION_MICRO}")
              endif()
ba72eadef0a8  if(RELEASE_SERVICE_VERSION_MICRO LESS 10)
                  set(KDE_APPLICATIONS_COMPACT_VERSION "${RELEASE_SERVICE_VERSION_MAJOR}${RELEASE_SERVICE_VERSION_MINOR}0${RELEASE_SERVICE_VERSION_MICRO}")
56e957273930  else()
ba72eadef0a8      set(KDE_APPLICATIONS_COMPACT_VERSION "${RELEASE_SERVICE_VERSION_MAJOR}${RELEASE_SERVICE_VERSION_MINOR}${RELEASE_SERVICE_VERSION_MICRO}")
56e957273930  endif()
d07f085d7f27  
              set(KLEOPATRA_VERSION_MAJOR "3")
              set(KLEOPATRA_VERSION_MINOR "1")
848f206d0403  set(KLEOPATRA_VERSION_MICRO "26")
d07f085d7f27  
ba72eadef0a8  set(kleopatra_version "${KLEOPATRA_VERSION_MAJOR}.${KLEOPATRA_VERSION_MINOR}.${KLEOPATRA_VERSION_MICRO}.${KDE_APPLICATIONS_COMPACT_VERSION}")
70b96aa79fa6  # The following is for Windows
ba72eadef0a8  set(kleopatra_version_win "${KLEOPATRA_VERSION_MAJOR}.${KLEOPATRA_VERSION_MINOR}.${KLEOPATRA_VERSION_MICRO}")
              set(kleopatra_fileversion_win "${KLEOPATRA_VERSION_MAJOR},${KLEOPATRA_VERSION_MINOR},${KLEOPATRA_VERSION_MICRO},0")
70b96aa79fa6  
d07f085d7f27  project(kleopatra VERSION ${kleopatra_version})
3635a1a9dc42  
d1ae6b1780ea  option(DISABLE_KWATCHGNUPG "Don't build the kwatchgnupg tool [default=OFF]" OFF)
058406753a1e  
018cb71df277  # Standalone build. Find / include everything necessary.
112a854d245d  set(KF5_MIN_VERSION "5.101.0")
c1ba435c86f0  set(KIDENTITYMANAGEMENT_VERSION "5.22.40")
              set(KMAILTRANSPORT_VERSION "5.22.40")
              set(KMIME_VERSION "5.22.40")
f50e1900cb37  set(LIBKLEO_VERSION "5.22.44")
81bb8ed2ebbf  set(QT_REQUIRED_VERSION "5.15.2")
0cd00b23dd13  if (QT_MAJOR_VERSION STREQUAL "6")
                  set(QT_REQUIRED_VERSION "6.4.0")
              endif()
b9d9cd3ab15d  set(GPGME_REQUIRED_VERSION "1.16.0")
d5a3b58bc1f3  
6d01cedca92e  if (WIN32)
                set(KF5_WANT_VERSION "5.70.0")
                set(KMIME_WANT_VERSION "5.12.0")
              else ()
                set(KF5_WANT_VERSION ${KF5_MIN_VERSION})
                set(KMIME_WANT_VERSION ${KMIME_VERSION})
              endif ()
              
5a2eb383220b  set(CMAKE_CXX_STANDARD 20)
              set(CMAKE_CXX_STANDARD_REQUIRED ON)
              
6d01cedca92e  find_package(ECM ${KF5_WANT_VERSION} CONFIG REQUIRED)
d5a3b58bc1f3  set(CMAKE_MODULE_PATH ${ECM_MODULE_PATH})
33797271eb66  set(CMAKE_MODULE_PATH ${CMAKE_CURRENT_SOURCE_DIR}/cmake/modules ${CMAKE_MODULE_PATH})
d5a3b58bc1f3  
              include(ECMInstallIcons)
              include(ECMSetupVersion)
              include(ECMAddTests)
              include(GenerateExportHeader)
              include(ECMGenerateHeaders)
              include(FeatureSummary)
              include(CheckFunctionExists)
              include(KDEInstallDirs)
              include(KDECMakeSettings)
75adf8001da7  include(KDECompilerSettings NO_POLICY_SCOPE)
d5a3b58bc1f3  include(ECMAddAppIcon)
              include(ECMQtDeclareLoggingCategory)
d134b7e9b333  include(ECMDeprecationSettings)
22ecca451182  include(KDEClangFormat)
ef421ea0966a  
3635a1a9dc42  # Find KF5 packages
6d01cedca92e  find_package(KF5WidgetsAddons ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5ConfigWidgets ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5CoreAddons ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5Codecs ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5Config ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5I18n ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5IconThemes ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5ItemModels ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5XmlGui ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5WindowSystem ${KF5_WANT_VERSION} CONFIG REQUIRED)
              find_package(KF5DocTools ${KF5_WANT_VERSION} CONFIG)
              find_package(KF5Crash ${KF5_WANT_VERSION} REQUIRED)
9f6554007942  
2c640c20b0d4  set_package_properties(KF5DocTools PROPERTIES
                  DESCRIPTION "Documentation tools"
                  PURPOSE "Required to generate Kleopatra documentation."
                  TYPE OPTIONAL)
3635a1a9dc42  
24a0b52a2241  # Optional packages
              if (WIN32)
                # Only a replacement available for Windows so this
                # is required on other platforms.
6d01cedca92e    find_package(KF5DBusAddons ${KF5_WANT_VERSION} CONFIG)
24a0b52a2241    set_package_properties(KF5DBusAddons PROPERTIES DESCRIPTION "Support library to work with DBus"
                                         PURPOSE "DBus session integration"
2ad455e5fd68                             URL "https://inqlude.org/libraries/kdbusaddons.html"
24a0b52a2241                             TYPE OPTIONAL)
              else()
6d01cedca92e    find_package(KF5DBusAddons ${KF5_WANT_VERSION} CONFIG REQUIRED)
24a0b52a2241    set(_kleopatra_dbusaddons_libs KF5::DBusAddons)
              endif()

49e0e1b82bb1  set(HAVE_QDBUS ${Qt${QT_MAJOR_VERSION}DBus_FOUND})
24a0b52a2241  
049539593e01  find_package(Gpgmepp ${GPGME_REQUIRED_VERSION} CONFIG REQUIRED)
ed638a061c66  if (QT_MAJOR_VERSION STREQUAL "6")
                  find_package(QGpgmeQt6 ${GPGME_REQUIRED_VERSION} CONFIG REQUIRED)
              else()
                  find_package(QGpgme ${GPGME_REQUIRED_VERSION} CONFIG REQUIRED)
              endif()
e3ace7f6361f  if (QGpgme_VERSION VERSION_GREATER_EQUAL "1.17.0")
6f9a481be003      set(QGPGME_SUPPORTS_CHANGING_EXPIRATION_OF_COMPLETE_KEY 1)
1520a1da1b43      set(QGPGME_CRYPTOCONFIGENTRY_HAS_DEFAULT_VALUE 1)
9f1fb2f8a41b      set(QGPGME_SUPPORTS_WKDLOOKUP 1)
80ecfe9ac9bf      set(QGPGME_SUPPORTS_IMPORT_WITH_FILTER 1)
93221c7f7f46      set(QGPGME_SUPPORTS_IMPORT_WITH_KEY_ORIGIN 1)
9c0468ebaa10      set(QGPGME_SUPPORTS_SECRET_KEY_EXPORT 1)
0c8a90d4e662      set(QGPGME_SUPPORTS_SECRET_SUBKEY_EXPORT 1)
954c8a206190      set(QGPGME_SUPPORTS_RECEIVING_KEYS_BY_KEY_ID 1)
6f9a481be003  endif()
ed6163178efb  if (QGpgme_VERSION VERSION_GREATER_EQUAL "1.18.0")
feb5db2dba27      set(QGPGME_SUPPORTS_KEY_REVOCATION 1)
9e2dc6246e20      set(QGPGME_SUPPORTS_KEY_REFRESH 1)
75f8a896f691      set(QGPGME_SUPPORTS_SET_FILENAME 1)
da3aef1bf1ef      set(QGPGME_SUPPORTS_SET_PRIMARY_UID 1)
feb5db2dba27  endif()
47b723e36c3d  if (Gpgmepp_VERSION VERSION_GREATER_EQUAL "1.18.1")
                  set(GPGMEPP_SUPPORTS_SET_CURVE 1)
              endif()
920027ccdaad  
3635a1a9dc42  # Kdepimlibs packages
d5a3b58bc1f3  find_package(KF5Libkleo ${LIBKLEO_VERSION} CONFIG REQUIRED)
6d01cedca92e  find_package(KF5Mime ${KMIME_WANT_VERSION} CONFIG REQUIRED)
288f55901cc0  find_package(KF5IdentityManagement ${KIDENTITYMANAGEMENT_VERSION} CONFIG)
              find_package(KF5MailTransport ${KMAILTRANSPORT_VERSION} CONFIG)
              find_package(KF5MailTransportAkonadi ${KMAILTRANSPORT_VERSION} CONFIG)
d5a3b58bc1f3  
49e0e1b82bb1  find_package(Qt${QT_MAJOR_VERSION} ${QT_REQUIRED_VERSION} CONFIG REQUIRED Widgets Test Network PrintSupport)
3635a1a9dc42  
91792b78ed51  find_package(Assuan2 REQUIRED)
3635a1a9dc42  
920027ccdaad  
775fa8773cb2  set(kleopatra_release FALSE)

              if(NOT kleopatra_release)
76fc38c1bf13      find_package(Git)
d5a3b58bc1f3      if(GIT_FOUND)
76fc38c1bf13          execute_process(COMMAND ${GIT_EXECUTABLE} rev-parse
                                      WORKING_DIRECTORY ${CMAKE_CURRENT_SOURCE_DIR}
                                      RESULT_VARIABLE rc
                                      ERROR_QUIET)
                      if(rc EQUAL 0)
                          execute_process(COMMAND ${GIT_EXECUTABLE} log -1 --oneline --format=%h ${CMAKE_CURRENT_SOURCE_DIR}
                              WORKING_DIRECTORY ${CMAKE_CURRENT_SOURCE_DIR}
                              OUTPUT_VARIABLE Kleopatra_WC_REVISION)
                          string(REGEX REPLACE "\n" "" Kleopatra_WC_REVISION "${Kleopatra_WC_REVISION}")

                          execute_process(COMMAND ${GIT_EXECUTABLE} log -1 --oneline --format=%cI ${CMAKE_CURRENT_SOURCE_DIR}
                              WORKING_DIRECTORY ${CMAKE_CURRENT_SOURCE_DIR}
                              OUTPUT_VARIABLE Kleopatra_WC_LAST_CHANGED_DATE)
                          string(REGEX REPLACE "^([0-9]+)-([0-9]+)-([0-9]+)T([0-9]+):([0-9]+):([0-9]+).*$" "\\1\\2\\3T\\4\\5\\6"
                                 Kleopatra_WC_LAST_CHANGED_DATE "${Kleopatra_WC_LAST_CHANGED_DATE}")

                          set(kleopatra_version "${kleopatra_version}+git${Kleopatra_WC_LAST_CHANGED_DATE}~${Kleopatra_WC_REVISION}")
                      endif()
d5a3b58bc1f3      endif()
775fa8773cb2  endif()

              configure_file(${CMAKE_CURRENT_SOURCE_DIR}/version-kleopatra.h.cmake ${CMAKE_CURRENT_BINARY_DIR}/version-kleopatra.h)
1bd056a4790c  
3635a1a9dc42  include (ConfigureChecks.cmake)

              configure_file(${CMAKE_CURRENT_SOURCE_DIR}/config-kleopatra.h.cmake ${CMAKE_CURRENT_BINARY_DIR}/config-kleopatra.h)
15251a3e3680  include_directories(
d5a3b58bc1f3      ${CMAKE_CURRENT_BINARY_DIR}
                  ${CMAKE_CURRENT_SOURCE_DIR}
4257748d4e7f      ${ASSUAN2_INCLUDES}
d5a3b58bc1f3      )
775fa8773cb2  
              add_definitions(-D_ASSUAN_ONLY_GPG_ERRORS)
939b720bbfce  if (WIN32)
              # On Windows, we need to use stuff deprecated since Qt 5.11, e.g. from QDesktopWidget
131d8d0f80fe  ecm_set_disabled_deprecation_versions(QT 5.10.0  KF 5.101.0)
939b720bbfce  else ()
131d8d0f80fe  ecm_set_disabled_deprecation_versions(QT 5.15.0  KF 5.101.0)
939b720bbfce  endif ()
d134b7e9b333  
cb342542f093  if(CMAKE_COMPILER_IS_GNUCXX)
d5a3b58bc1f3      set(CMAKE_CXX_FLAGS "${CMAKE_CXX_FLAGS} -Wno-missing-braces -Wno-parentheses -Wno-ignored-qualifiers")
775fa8773cb2  endif()
```

```
805356a09949  if(MINGW)
                  # we do not care about different signedness of passed pointer arguments
7d5b7096fc0c      add_compile_options($<$<COMPILE_LANGUAGE:C>:-Wno-pointer-sign>)
805356a09949  endif()

6af76e255891  add_definitions(-DQT_NO_EMIT)
ae0d5d1939a6  remove_definitions(-DQT_NO_FOREACH)
775fa8773cb2  
fd17a804ce1b  # Disable the use of QStringBuilder for operator+ to prevent crashes when
              # returning the result of concatenating string temporaries in lambdas. We do
              # this for example in some std::transform expressions.
              # This is a known issue: https://bugreports.qt.io/browse/QTBUG-47066
              # Alternatively, one would always have to remember to force the lambdas to
              # return a QString instead of QStringBuilder, but that's just too easy to
              # forget and, unfortunately, the compiler doesn't issue a warning if one forgets
              # this. So, it's just too dangerous.
              # One can still use QStringBuilder explicitly with the operator% if necessary.
              remove_definitions(-DQT_USE_FAST_OPERATOR_PLUS)
              remove_definitions(-DQT_USE_QSTRINGBUILDER)

3635a1a9dc42  kde_enable_exceptions()
0e1ebcfe2416  option(USE_UNITY_CMAKE_SUPPORT "Use UNITY cmake support (speedup compile time)" OFF)
e960383e9a53  
0e1ebcfe2416  set(COMPILE_WITH_UNITY_CMAKE_SUPPORT OFF)
e960383e9a53  if (USE_UNITY_CMAKE_SUPPORT)
0e1ebcfe2416      set(COMPILE_WITH_UNITY_CMAKE_SUPPORT ON)
e960383e9a53  endif()
34c5c37c55ac  
0e1ebcfe2416  
775fa8773cb2  add_subdirectory(pics)
b16cd2730c62  add_subdirectory(src)
da24eae79db9  
              if(BUILD_TESTING)
                  add_subdirectory(tests)
24a0b52a2241      add_subdirectory(autotests)
da24eae79db9  endif()
26e016983326  
9549881b2445  ecm_qt_install_logging_categories(
26e016983326          EXPORT KLEOPATRA
                      FILE kleopatra.categories
                      DESTINATION ${KDE_INSTALL_LOGGINGCATEGORIESDIR}
                      )
9f6554007942  
fd3f9437b5c0  ki18n_install(po)
9f6554007942  if(KF5DocTools_FOUND)
fd3f9437b5c0      kdoctools_install(po)
9f6554007942      add_subdirectory(doc)
              endif()
71dd2cf16195  feature_summary(WHAT ALL FATAL_ON_MISSING_REQUIRED_PACKAGES)

22ecca451182  # add clang-format target for all our real source files
              file(GLOB_RECURSE ALL_CLANG_FORMAT_SOURCE_FILES *.cpp *.h *.c)
              kde_clang_format(${ALL_CLANG_FORMAT_SOURCE_FILES})
```

Owner Packages

No Owners