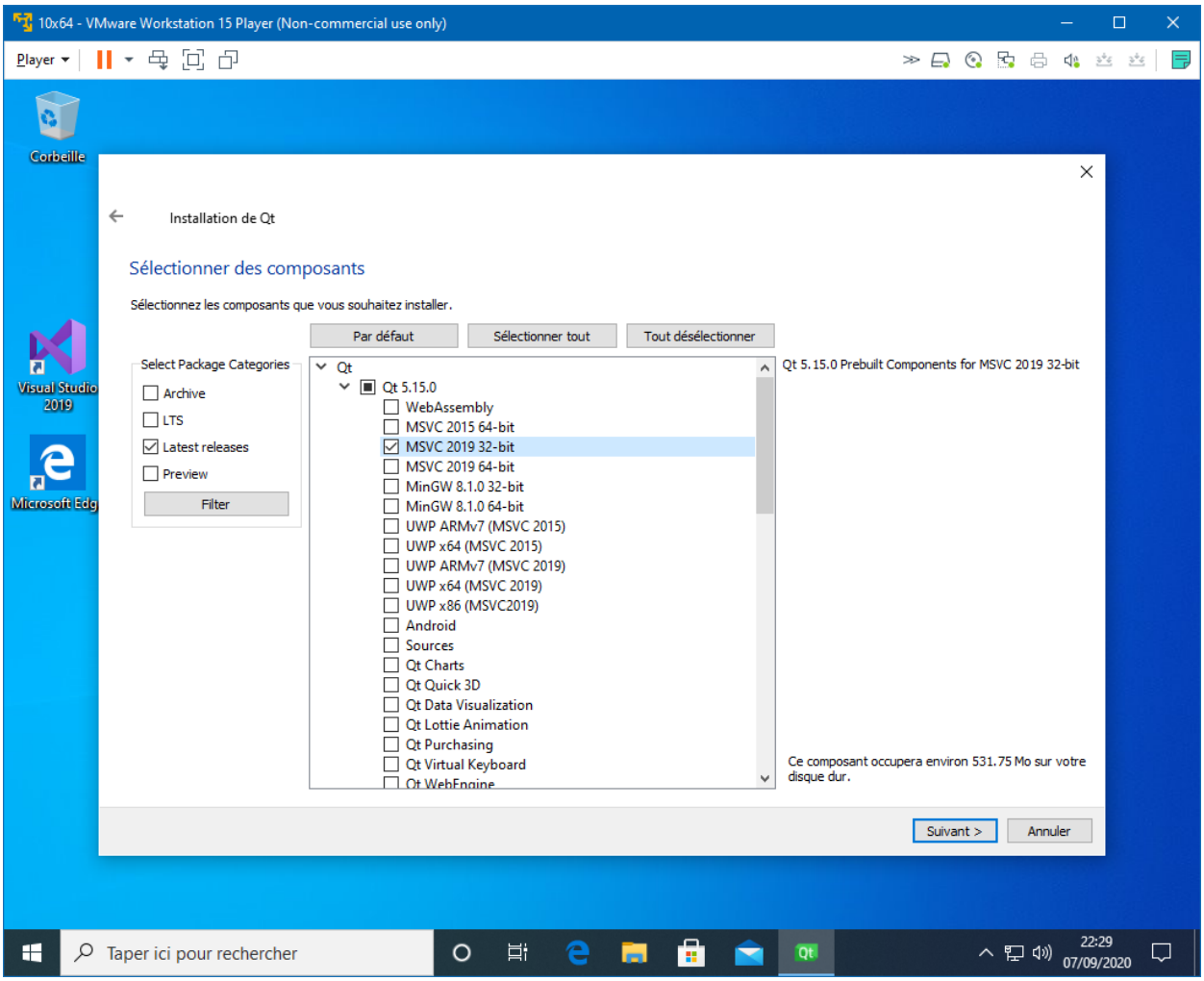
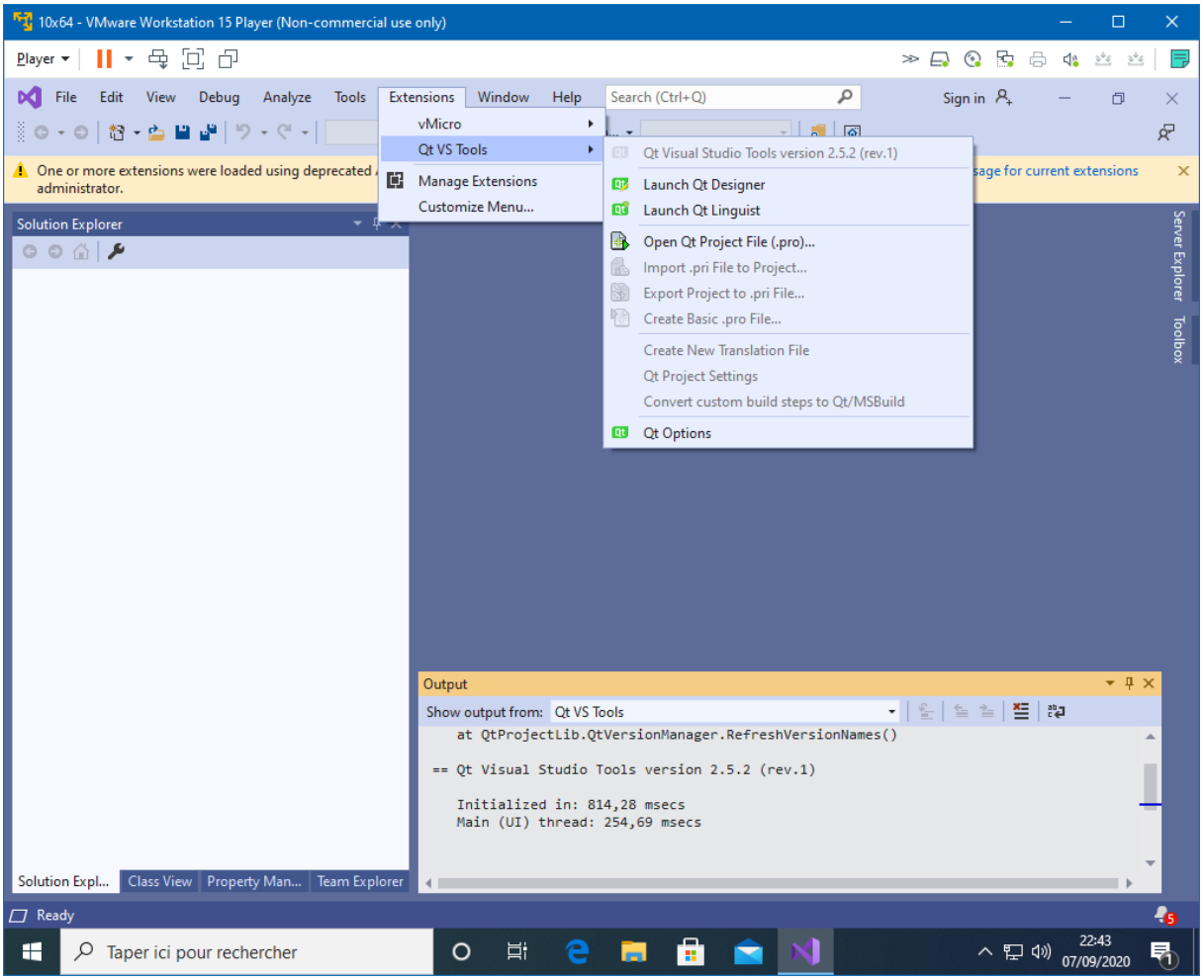
C/C++ programming with Qt 5.15.1 and Visual Studio 2019

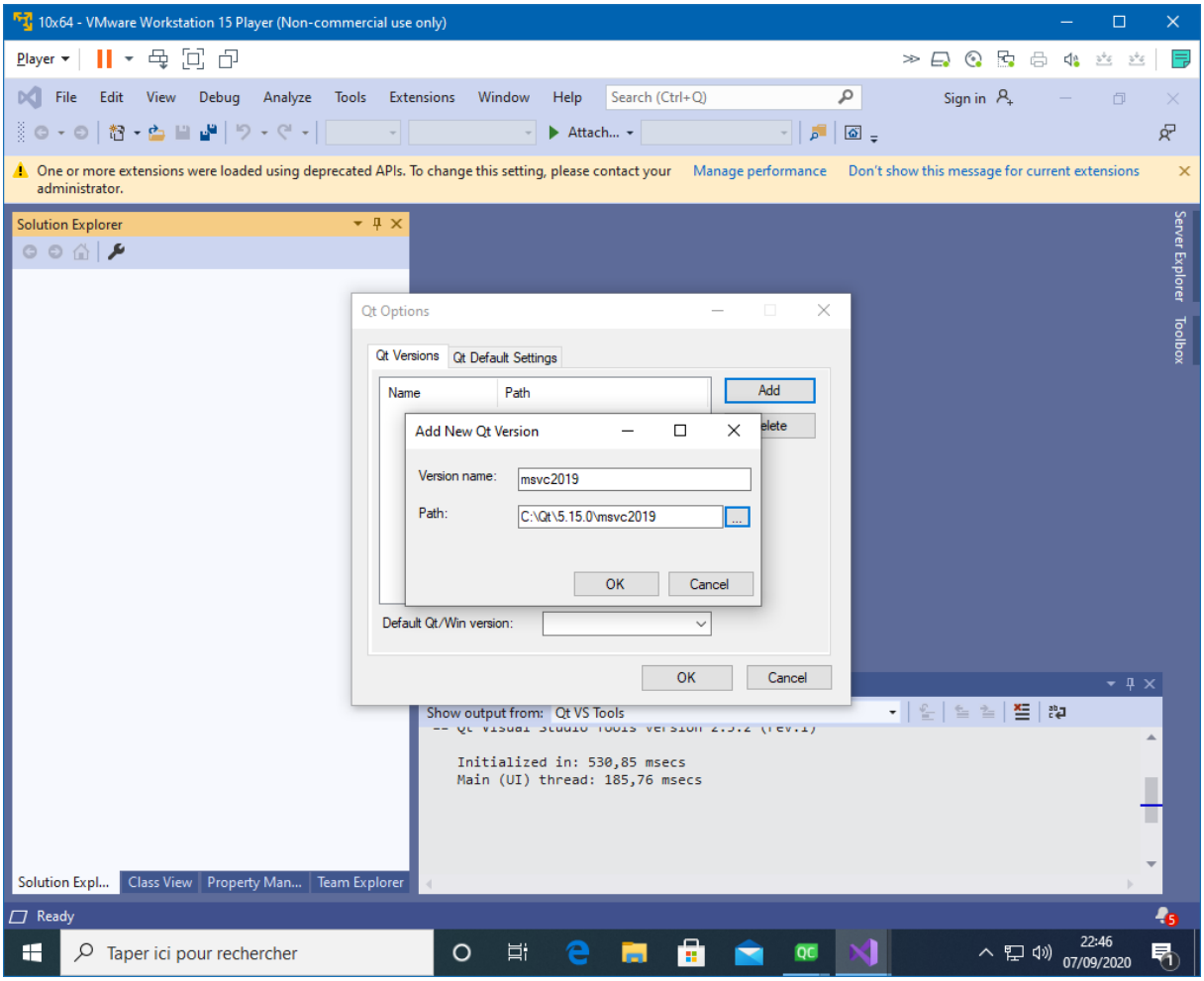
Install Visual Studio 2019 with options as described in https://www.ensta-bretagne.fr/lebars/Share/setup_vs2019_opencv420.pdf.

Download and run http://download.qt.io/official_releases/online_installers/qt-unified-windows-x86-online.exe and select **Qt\Qt 5.15.1\MSVC 2019 32 bit** (keep other default options unless you need other things):

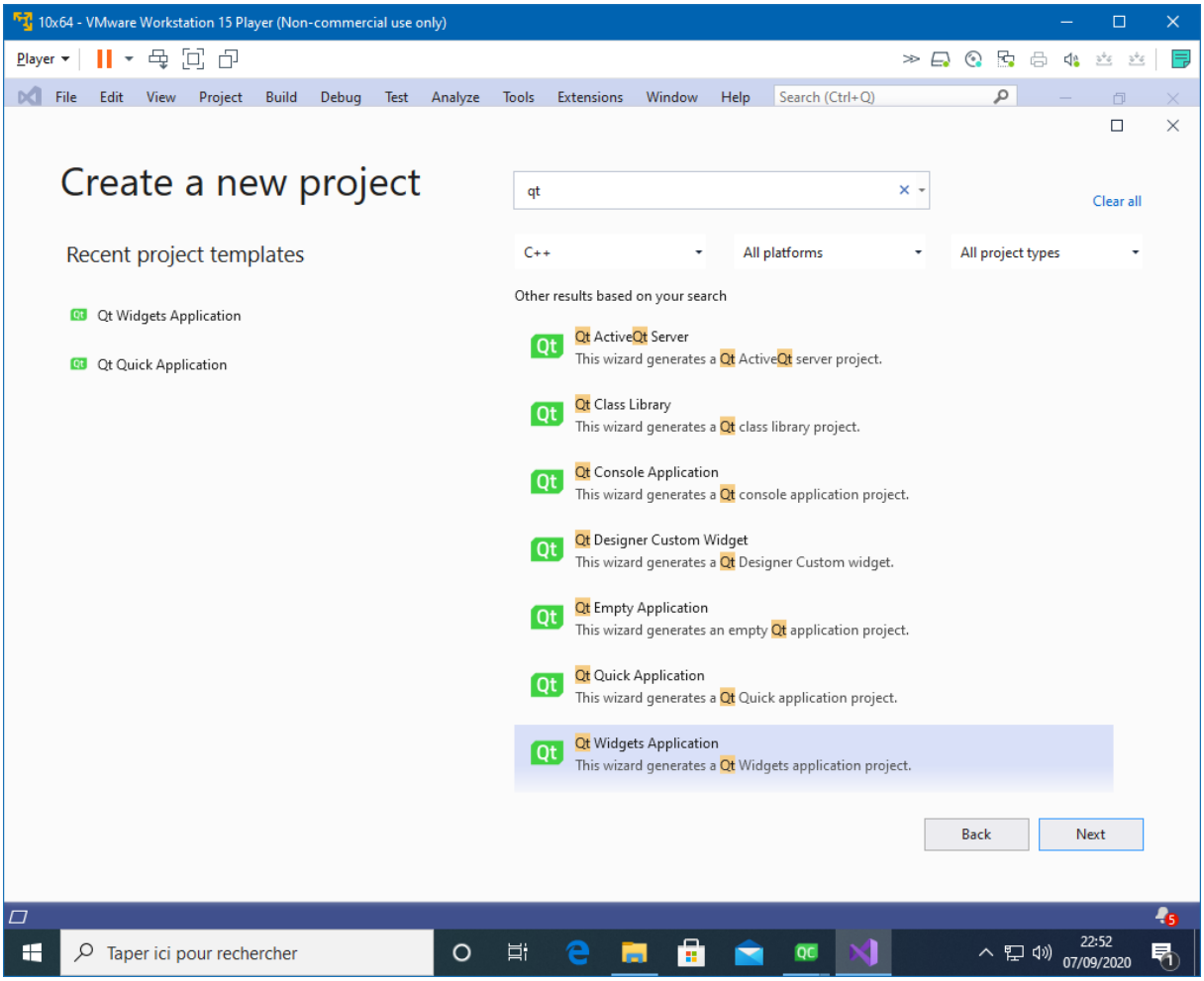


At this point you can use Qt Creator IDE to create a project, it would build it with Visual Studio 2019 compiler. But if you wish to program using Visual Studio 2019 IDE, download and install http://download.qt.io/archive/vsaddin/2.5.2/. Then, you need to indicate Visual Studio where to find Qt files:

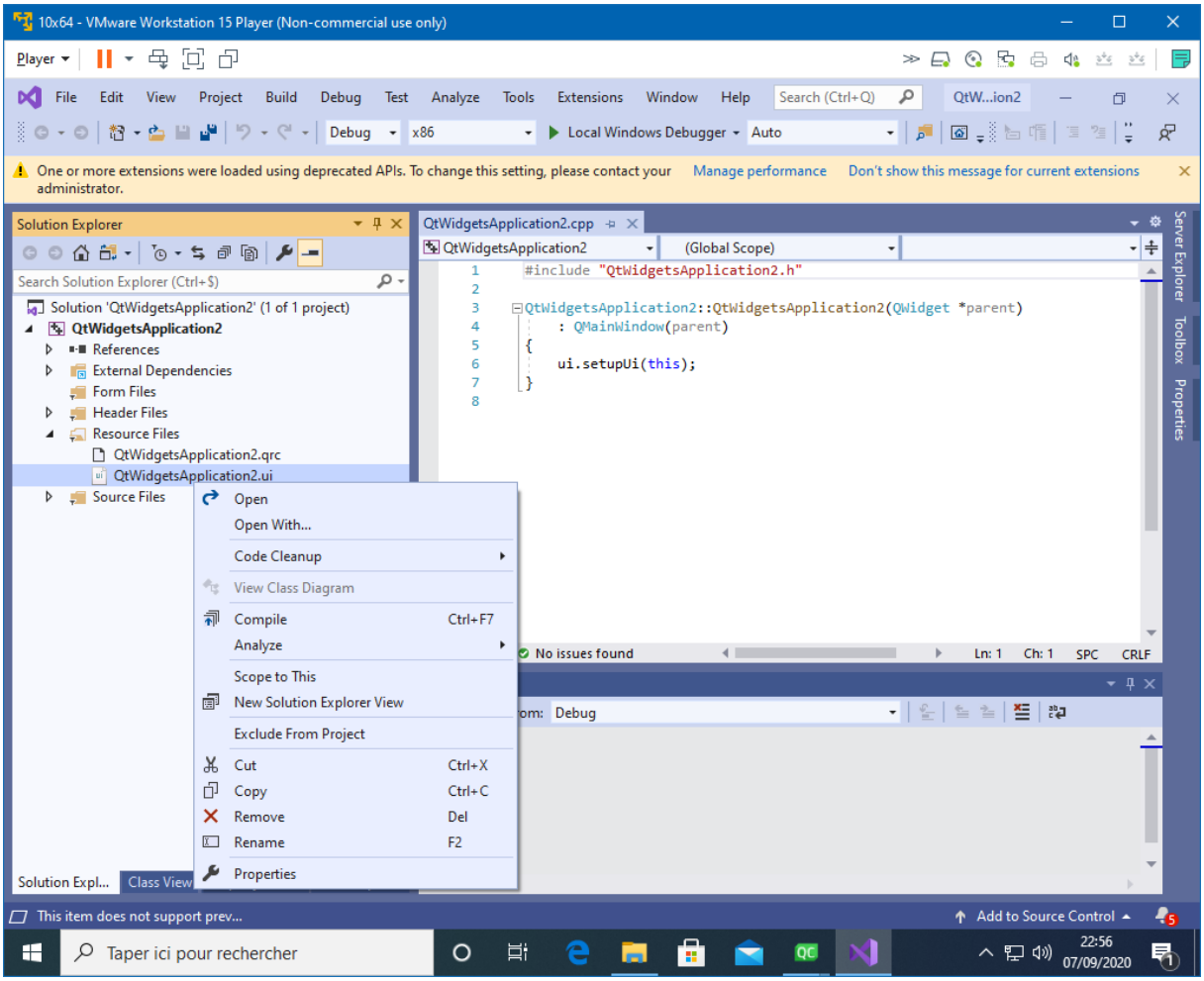

10x64 - VMware Workstation 15 Player (Non-commercial use only)
Player
File Edit View Debug Analyze Tools Extensions Window Help
Search (Ctrl+Q)
Sign in
vMicro
Qt VS Tools
Manage Extensions
Customize Menu...
Qt Visual Studio Tools version 2.5.2 (rev.1)
Launch Qt Designer
Launch Qt Linguist
Open Qt Project File (.pro)...
Import .pri File to Project...
Export Project to .pri File...
Create Basic .pro File...
Create New Translation File
Qt Project Settings
Convert custom build steps to Qt/MSBuild
Qt Options
One or more extensions were loaded using deprecated
administrator.
Solution Explorer
Server Explorer
Toolbox
Output
Show output from: Qt VS Tools
at QtProjectLib.QtVersionManager.RefreshVersionNames()
== Qt Visual Studio Tools version 2.5.2 (rev.1)
Initialized in: 814,28 msecs
Main (UI) thread: 254,69 msecs
Solution Expl...
Class View
Property Man...
Team Explorer
Ready
Taper ici pour rechercher
22:43
07/09/2020

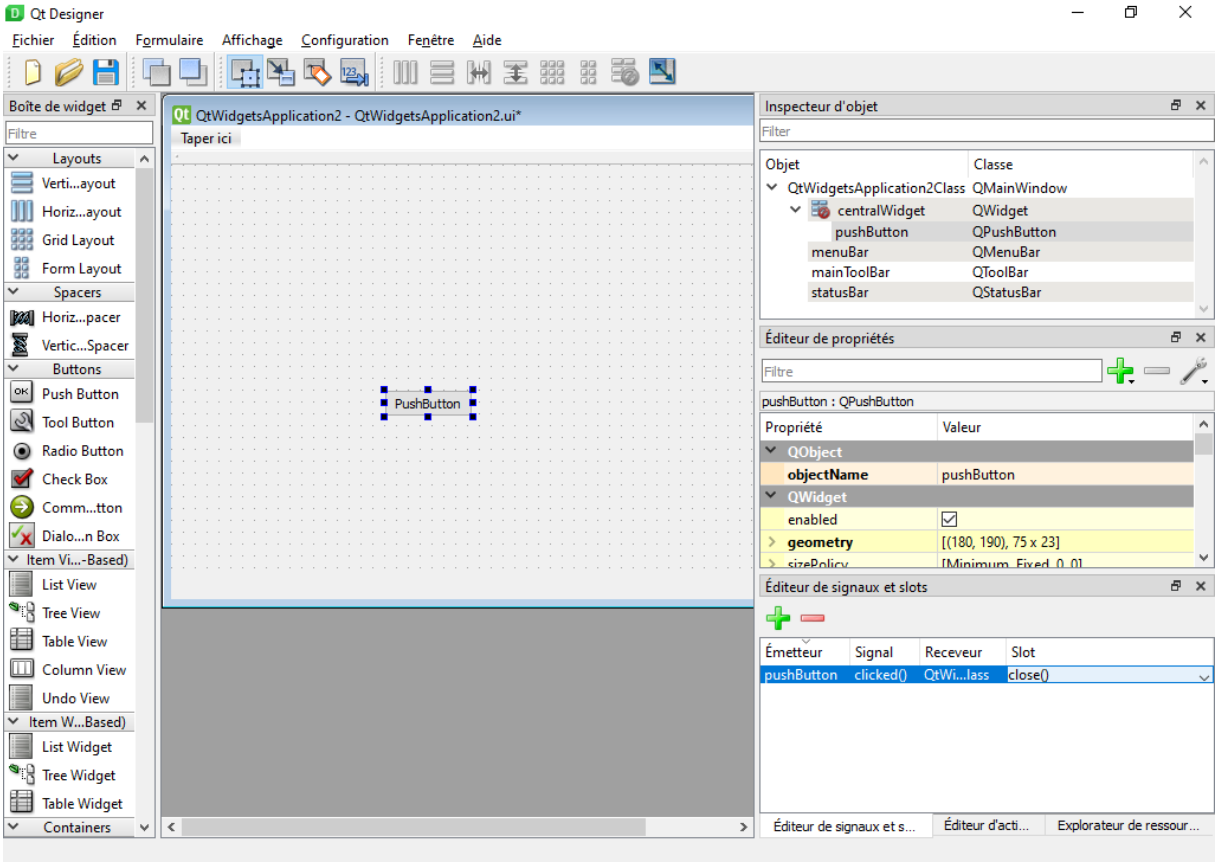


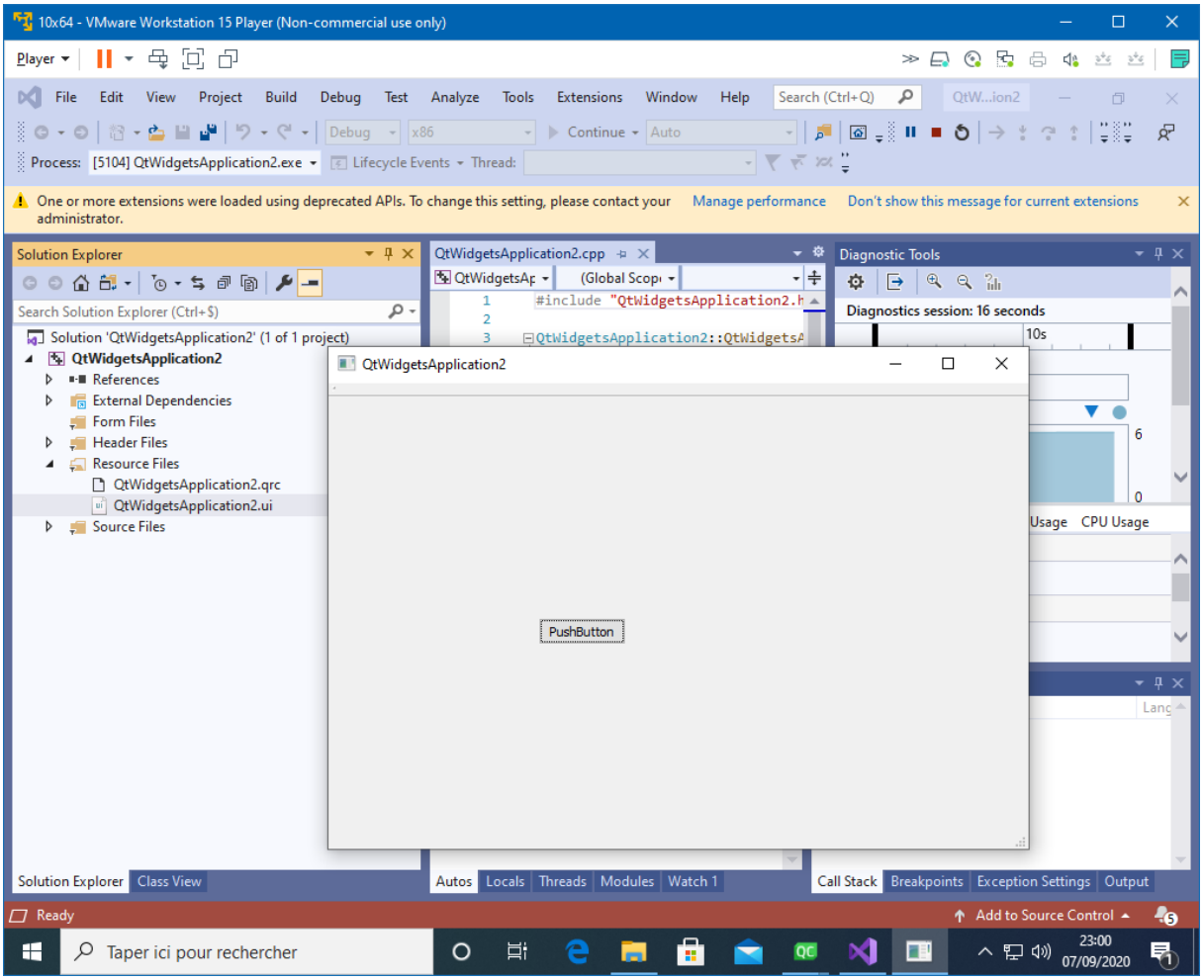
Search for “qt” to get a Qt project template :



Note that you will still be able to use Qt Designer if you open the .ui file:


10x64 - VMware Workstation 15 Player (Non-commercial use only)
Player
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
Debug
x86
Local Windows Debugger
Auto
One or more extensions were loaded using deprecated APIs. To change this setting, please contact your administrator.
Manage performance
Don't show this message for current extensions
Solution Explorer
Search Solution Explorer (Ctrl+$)
Solution 'QtWidgetsApplication2' (1 of 1 project)
QtWidgetsApplication2
References
External Dependencies
Form Files
Header Files
Resource Files
QtWidgetsApplication2.qrc
QtWidgetsApplication2.ui
Source Files
Open
Open With...
Code Cleanup
View Class Diagram
Compile Ctrl+F7
Analyze
Scope to This
New Solution Explorer View
Exclude From Project
Cut Ctrl+X
Copy Ctrl+C
Remove Del
Rename F2
Properties
Solution Expl...
Class View
QtWidgetsApplication2.cpp
QtWidgetsApplication2
(Global Scope)
#include "QtWidgetsApplication2.h"
QtWidgetsApplication2::QtWidgetsApplication2(QWidget *parent)
: QMainWindow(parent)
{
ui.setupUi(this);
}
No issues found
Ln: 1 Ch: 1 SPC CRLF
Debug
Server Explorer
Toolbox
Properties
This item does not support prev...
Add to Source Control
Taper ici pour rechercher
22:56
07/09/2020


Qt Designer
Fichier Édition Formulaire Affichage Configuration Fenêtre Aide
Boîte de widget
Filtre
Layouts
Verti...ayout
Horiz...ayout
Grid Layout
Form Layout
Spacers
Horiz...pacer
Vertic...Spacer
Buttons
Push Button
Tool Button
Radio Button
Check Box
Comm...tton
Dialo...n Box
Item Vi...-Based)
List View
Tree View
Table View
Column View
Undo View
Item W...Based)
List Widget
Tree Widget
Table Widget
Containers
QtWidgetsApplication2 - QtWidgetsApplication2.ui*
Taper ici
PushButton
Inspecteur d'objet
Filter
Objet
Classe
QtWidgetsApplication2Class
QMainWindow
centralWidget
QWidget
pushButton
QPushButton
menuBar
QMenuBar
mainToolBar
QToolBar
statusBar
QStatusBar
Éditeur de propriétés
Filtre
pushButton : QPushButton
Propriété
Valeur
QObject
objectName
pushButton
QWidget
enabled
geometry
[(180, 190), 75 x 23]
Éditeur de signaux et slots
Émetteur
Signal
Receveur
Slot
pushButton
clicked()
QtWi...lass
close()
Éditeur de signaux et s...
Éditeur d'acti...
Explorateur de ressour...


10x64 - VMware Workstation 15 Player (Non-commercial use only)
Player
File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
Debug
x86
Continue
Auto
Process: [5104] QtWidgetsApplication2.exe
Lifecycle Events
Thread:
One or more extensions were loaded using deprecated APIs. To change this setting, please contact your administrator.
Manage performance
Don't show this message for current extensions
Solution Explorer
Search Solution Explorer (Ctrl+$)
Solution 'QtWidgetsApplication2' (1 of 1 project)
QtWidgetsApplication2
References
External Dependencies
Form Files
Header Files
Resource Files
QtWidgetsApplication2.qrc
QtWidgetsApplication2.ui
Source Files
QtWidgetsApplication2.cpp
#include "QtWidgetsApplication2.h
QtWidgetsApplication2::QtWidgetsA
QtWidgetsApplication2
PushButton
Diagnostic Tools
Diagnostics session: 16 seconds
10s
6
0
Usage
CPU Usage
Solution Explorer
Class View
Autos
Locals
Threads
Modules
Watch 1
Call Stack
Breakpoints
Exception Settings
Output
Ready
Add to Source Control
Taper ici pour rechercher
23:00
07/09/2020