Tutoriel d'installation du logiciel Qt5.9

Objet: pour installer QT. (et pour lancer le programme de base)

✤ Version: 5.9.0

 La configuration de mon ordinateur: X64(il est compatible avec les applications X86)

L'internets qu'on utilise: <u>https://developer.android.com/studio/index.html#Other</u> <<installer le android studio>> http://www.qt.io/ <<installer le QT>> <u>https://developer.android.com/ndk/downloads/index.html</u> <<installer le NDK>>

✤ Le programme "hello world"

```
<C++>
#include <iostream>
using namespace std;
int main() {
   cout << "Hello, World!"<<endl;
   return 0;}
```

Installaton

Tout d' abord on ouvre l'internet officiel de QT http://www.qt.io/, clique le "start free Qt trail"



-> "Desktop & Mobile Application"

Or choose a download and give Qt a try.

What kind of development project do you have?





Free commercial 30-dav trial and open source

Commercial offering with free 30-dav trial.

-> "Get your open source package"

When developing with Qt Open Source, we stress that you should be aware of the terms of the GPL or LGPL and your legal obligations. Before you start developing, please ensure you project complies with the license & your company allows open source products usage.



pour télécharger le progiciel d'installation.

Your download

We detected your operating system as: Windows Recommended download: Qt Online Installer for Windows

Before you begin your download, please make sure you:

- > learn about the obligations of the LGPL.
- > read the FAQ about developing with the LGPL.



Après, on a obtenu un application pour la prochaine étape:

💷 qt-unified-windows-x86-3.0.1-online

02/10/2017 14:14 Application

19 581 Ko

C'est un application pour télécharger, on le clique, il y a une fenetre qui éjecte:

Qt Installateur	
Welcome to the Qt online installer	
This installer provides you with the option to download e version of Qt.	ither an open source or commercial
Commercial users: Please log in with your Qt Account	t credentials.
Open source users: You have the option to log in usir your Qt Forum login). If you do not have a login yet, you next step.	ng your Qt Account credentials (e.g. u have the option to create one in th
Ot Account - Get access to a variety of services Packaging and pricing options LGPL compliance & obligations Choosing the right license for your project	
	Next Annuler

- Si on n'a pas de compte du Qt, on peut créer un nouveau compte de Qt
 - ×

← Qt Installateur

Γ

Qt Account - Your unified login to everything Qt

gin	Please log in to Qt Account	
	Forgot password?	- Pour l'inscription
	Need a Qt Account?	
gn-up	Valid email address	
	Password	
	Confirm Password	
	I accept the <u>service terms</u> .	

• et après , on clique "suivant" pour choisir des composants:

← Qt Installateur

Sélection des composants

Veuillez sélectionner les composants que vous souhaitez installer.

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 Alors, on clique le "suivant" pour permettre le contrat de licence et télécharger(attention:ça fait longtemps!!):

Qt Installateur

Contrat de Licence

Veuillez lire les contrats de licence suivants. Vous devez en accepter les termes avant de poursuivre l'installation.

Qt Installer LGPL License Agreement PYTHON SOFTWARE FOUNDATION LICENSE VERSION 2 ~ GENERAL Qt is available under a commercial license with various pricing models and packages that meet a variety of needs. Commercial Qt license keeps your code proprietary where only you can control and monetize on your end product's development, user experience and distribution. You also get great perks like additional functionality, productivity enhancing tools, world-class support and a close strategic relationship with The Qt Company to make sure your product and development goals are met. Qt has been created under the belief of open development and providing freedom and choice to developers. To support that, The Qt Company also licenses Qt under open source licenses, where most of the functionality is available under LGPLv3 or LGPLv2.1. It should be noted that some components are available only under LGPLv3. In order to preserve the true meaning of open development and uphold the spirit of free software, it is imperative that the rules and regulations of open source licenses are followed. If you use Qt under open-source licenses, you need to make sure that you comply with all the V I have read and agree to the terms contained in the license agreements. I do not accept the terms and conditions of the above license agreements.

Suivant >

Annuler

X

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← Qt Installateur	
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Voir le détail	
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Installation	Annuler

✤ Puis, aprés finalise le téléchargement, on peut ouvrir la fenetre principal:

💷 Qt C	reator	-		-	
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Projets		Learn how to develop your own applications and explore Qt Creator.	Tags: bars data visua	alization	Tags: bluetooth energy game heart low rate
Aide		Get Started Now			2 · · · Noner Stars - Ka

 Mais, on n'a pas lancer le programme de base maintenant, il encore manque d'éléments comme SDK et NDK.

Appareils mo	biles		
Périphériques	Android	QNX	
Emplace	ement du JDK	:	Parcourir
Emplacement du	SDK Android	:	Parcourir
Emplacement du	NDK Android	:	Parcourir
		Créer automatiquement les kits pour les chaînes de compilation Android	
		Use Gradle instead of Ant (Ant builds are deprecated) 🕕	

 Pour le téléchargement de NDK, on clique flèche verts à droite, et puis, on entré un web page, et cliquez les mots bleu pour télécharger:

elect the NDK pa	the changes in In this document		
	 Latest Stable Version Older Versions 		
Latest Sta	ble Version (r15c)		
Latest Sta	DIE VERSION (r15C) Package	Size (Bytes)	SHA1 Checksum

Pour SDK, on utiliser le Visual Studio pour télécharger. D'abord, on le télécharger sur l'internet

https://developer.android.com/studio/index.html#Other. Après, on entré la fenetre principal de VS:



On clique "Configure->SDK manager"

lager for the Androi	d SDK and Tools used by Andro	old Studio		
roid SDK Location:	C:\Users\BAI\AppData\Local	\Android\Sdk	Edit	
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On copie les 2 locations de SDK et NDK(déjà téléchargé), collez les 2 dans le espace blanc du Qt "outils->options"

Parcourir
Parcourir
Parcourir 🛃

S'il n'y a pas d'erreurs, c'était dire on a fini le téléchargement.

Lancer le programme: helloworld

 On ouvre le Qt, et clique sur "Fichier->Nouveau fichier ou project", et puis, clique le "non-Qt Project->C++ Application"

📴 New File or Project	
Choisir un modèle :	
Projets	
Application	Plain C Application
Library	
Autre projet	Plain C++ Application
Non-Qt Project	
Import Project	
Fichiers et classes	
C++	
Modeling	
2 <u>1</u> 13	

Clique "choose.."pour nomer "Hello World"

Summary			
	Manager	1	
	Nom :	Hellovvoria	
	Créer dans :	C:\Users\BAI\Documents	Parcourir
	Utiliser co	mme emplacement par défaut pour les projets	
		Suivant >	Annuler

Et puis clique "suivant" jusqu'à entré la fenetre comme ça:

🞯 main.cpp @ HelloWorld - Qt Creator



- Finalement clique le flèche vert pour compiler et exécuter, on peut obtenir le résultat comme ça:
- C:\QT5.9\Tools\QtCreator\bin\qtcreator_process_stub.exe

Hello W	orld					
Appuyez	sur	<entr<sub>Fe></entr<sub>	pour	fermer	cette	fenÛtre