

Introduction

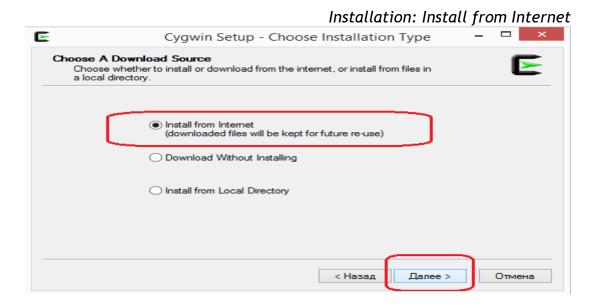
Declaratively and practically (such conclusion is based on results of numerous tests) is working on following operating systems: Ubuntu 12.04, Ubuntu 14.04; and on following environments: CygWIN x86_32 on Windows7, CygWIN x86_64 on Windows10.

The present document describes how to install CygWIN x86_64 (on Windows10, etc) with set of components required for successful compilation of "CONVINJECT-1" Project. Pay attention, that installation (of components) for rest cases - on Ubuntu, Fedora, RedHat is done mostly be means of native package managers (aptitude, apt-get, dpkg, rpm, etc) and (to some degree) resembles the process of installation described below.

Cygwin Install Software Download and Launch

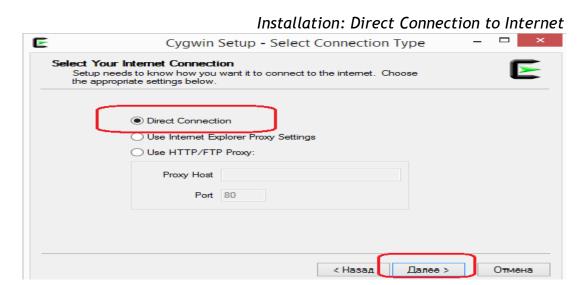
Download the installation software from https://cygwin.com/setup-x86_64.exe and launch it with sufficient user credentials. (The one will modify your filesystem, so run it either with Administrator rights, either from folder of current user.)

During the first phase of installation, select the "Install from Internet" option - fastest and simplest way to install the CygWIN (Linux-alike command line environment for Windows).

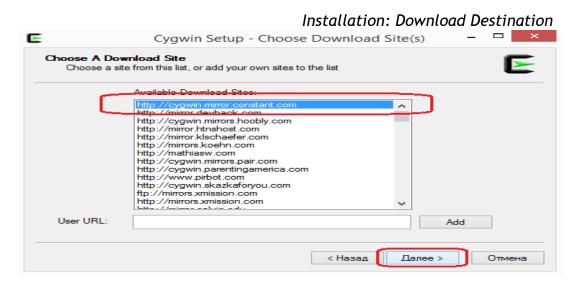


Press "Next". Then, select the Direct Connection to Interned, as you (presumably) have it.





Press "Next". Then, among a wide range of sites to download from select the first one, namely http://cygwin.mirror.comstnt.com - the one definitely will be working, or, alternatively, choice another one which you trust more.

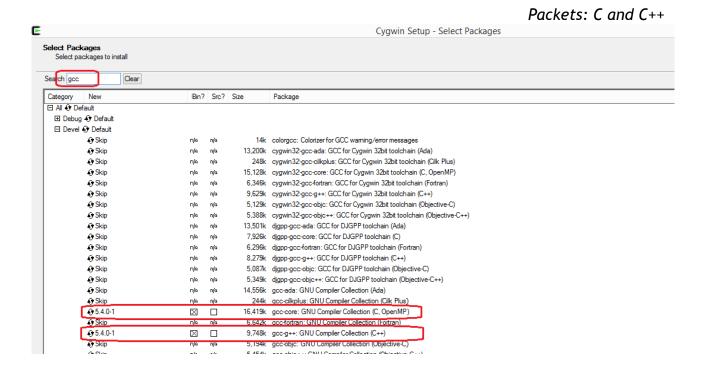


Packets to be Installed

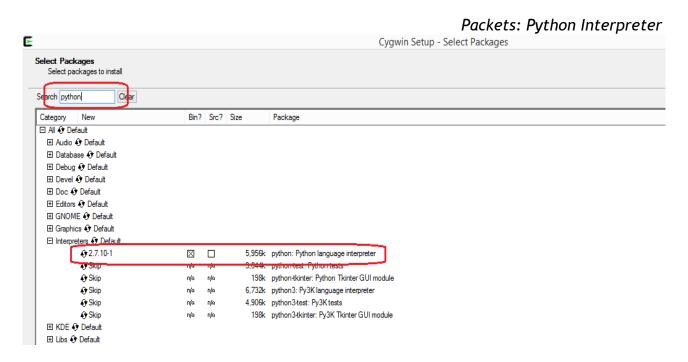
To build and - further - deploy the "CONVINJECT-1" Project it's required to install specific platform components on CygWIN. By the way once some of component should be, say, re-installed (or maybe some other one installed *additionally*, then it's possible to re-run the installation executable https://cygwin.com/setup-x86_64.exe, and then to re-select new component, or selected anew, or disable, etc.)



First of all, let's install compilers. Type in search box "gcc" and select GNU Compiler Collections "gcc-core" and "gcc-g++". Don't press "Next".

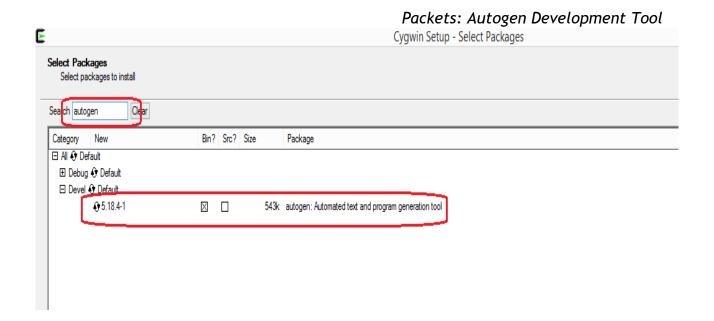


Type in search box "python" and select Python Language Interpreter "python".

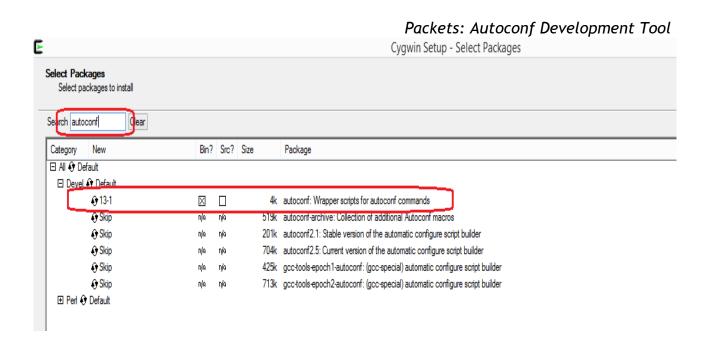




Don't press "Next". Type in search box "autogen" and select Automated Text and Program Generator Tool "autogen".

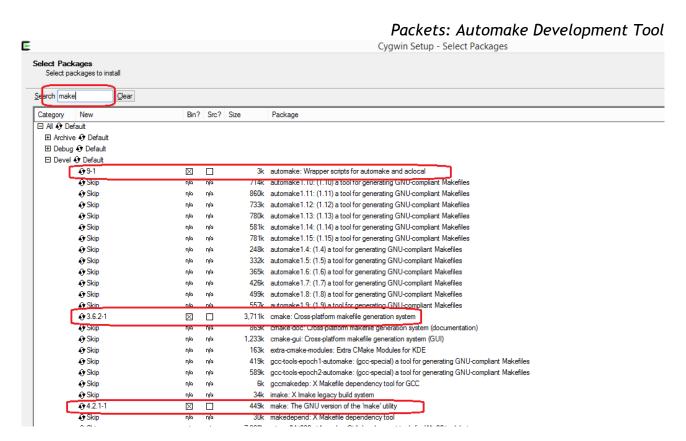


Don't press "Next". Type in search box "autoconf" and select Wrapper Scripts for Autoconf Commands "autoconf".

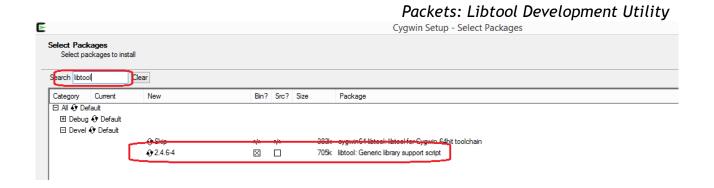




Don't press "Next". Type in search box "make" and select "automake", "cmake", and "make" - Wrapper Scripts for Automake Aclocal, Crossplatform Makefile Generator System, and the GNU Version of the 'make' Utility, respectively.

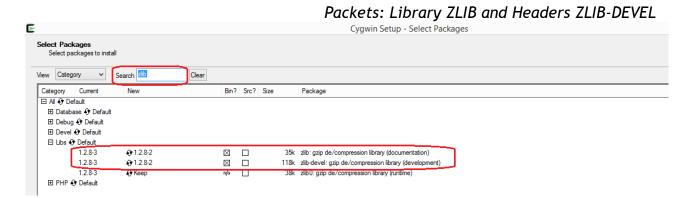


Don't press "Next". Type in search box "libtool" and select the Generic Library Support Script "libtool".

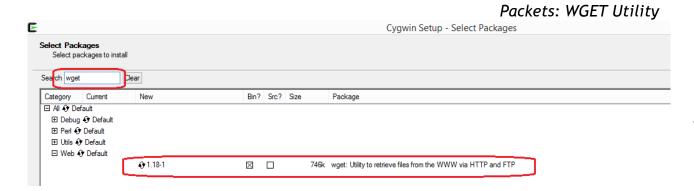




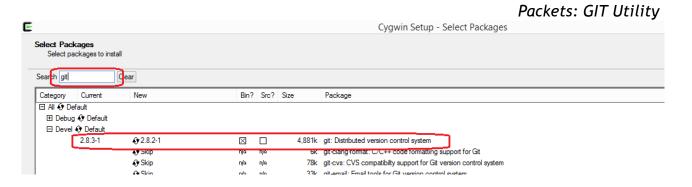
Don't press "Next". Type in search box "zlib" and select in Compression Library "zlib" and Compressionm Library Headers with Necessary Environment "zlib-devel".



Don't press "Next". Type in search box "wget" and select Utility to Retrieve files via HTTP/FTP "wget".

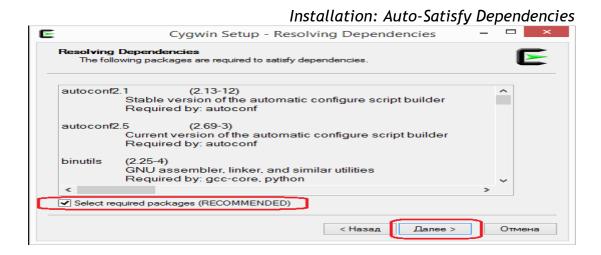


Don't press "Next". Type in search box "git" and select Client Software for Distributed Version Control System "git".





Press "Next". Once the proposal to install not resolved dependencies appears select the Checkbox "Select Required Packages (RECOMMENDED)" to install them automatically.



Pre "Next" several time, interacting (where needed) with installation program. Press "Done" in the end.

Download of "CONVINJECT-1" Project

After you're done with Libraries and Utilities, it's time (to start optionally - Midinght Commander, and) to download the sources of "CONVINJECT-1" Project from https://github.com/metallistov20/convinject-1 with "Git" utility.

For this type <git clone https://github.com/metallistov20/convinject-1.git> in command

Project "CONVINJECT-1" Download from Online Git Repository

mc [developer@notebook]:~

Copying skeleton files.
These files are for the users to personalise their cygwin experience.

They will never be overwritten nor automatically updated.

'./. bashrc' -> '/home/developer//.bashrc'

'./. bash_profile' -> '/home/developer//.bash_profile'

'./. inputrc' -> '/home/developer//.inputrc'

'./. profile' -> '/home/developer//.profile'

developer@notebook ~

\$ mc

\$ git clone https://github.com/metallistov20/convinject-1.git

line, enter the directory <./convinject-1> by typing <cd ./convinject-1> and proceed with building the "CONVINJECT-1" Project.



Name: Description - CYGWIN environment for CONVINJECT-1 Project

Nº	Number, version	Date	Author
1	Version 1.0	15 September 2016	Konstantin Mauch, Engineer

The procedure of building and deployment is described in "Description - conversation injector.pdf", (permanent URL: https://github.com/metallistov20/convinject-1).



Name: Description - CYGWIN environment for CONVINJECT-1 Project

№Number, versionDateAuthor1Version 1.015 September 2016Konstantin Mauch, Engineer

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