

PAR Quickstart Guide

This quick start guide will explain how to compile PAR in visual studio release mode for either 32-bit or 64-bit use. The architecture must stay consistent throughout (so if you plan on using 32bit, please consider that when downloading all pre-requisite software). If you wish to use PAR in visual studio debug mode, please refer to the much more in-depth Readme included with this software.

1 Install

PAR uses the Python programming language as a scripting language, and maintains persistence over several simulations through a MySQL database. Therefore, these are needed in order to properly compile PAR.

1. Download and install the [MySQL server](#). Create a default connection on **localhost** with the username **root** and password **root**. Create an Environmental Variable called **MYSQL_ROOT** which points to the root directory of this server.
2. Run the script *actionary.sql* included with PAR. This sets up basic tables and provides a default action and object hierarchy. More information about the object hierarchy can be found in [Object Hierarchy](#).
3. Download and install [MySQL Connector C++](#). Create an Environmental Variable called **CONNECTOR_ROOT** which points to the root directory of this library. There is also a dll that is installed with the connector (*mysqlcppconn.dll*). Add the directory this dll is located in to the path.
4. Download and install the [Python Programming language](#). Make sure to choose to add Python to the path. Also create an environmental variable called **PYTHON_ROOT** which points to the root directory of your python installation (default installation is *C:\Python27*).
5. Run the script *Compile64QuickStart.bat* for 64bit or *CompileQuickStart.bat* for 32bit, included with PAR. If everything is correct, three libraries should be made (*lwnet.lib*, *database.lib*, and *agentProc.lib* in the *libs* directory).

You are now ready to use PAR in your own projects. Please refer to the tutorials for instruction on how to use PAR.