

## Installation

Before beginning, download all of the required files in the download section of the HTNbots Homepage.

- 1) Install the Stand-alone server. The latest version is 436. (uncheck the NetGames USA Stat Utils to remove that component)
- 2) Unzip Gamebots.zip to a temp folder.
  - Copy the 6 files in the “system” directory in temp to the “system” directory of your UnrealTournament directory.
- 3) Unzip the otherfiles.zip. There should be 3 files and 1 folder.
  - Place the runserver.bat file into your UnrealTournament directory and create a shortcut to it and place the shortcut on your desktop.
  - Place BotAPI.ini into the “system” directory of your UnrealTournament directory, overwriting the existing one.
  - Place DOM-Stalwart.unr into the “maps” directory of your UnrealTournament directory.
  - Copy the UT folder to the root of your C drive. The result should be C:/UT. (If you want to place your domain and problem files somewhere else. You’ll need to configure it in the BotRunnerApp.)
- 4) Install ActiveTcl.
- 5) Unzip TclViz.zip to a folder (this folder can be anywhere) and create a shortcut to “tclviz.tcl” and place it on your desktop.
- 6) Install JBuilder
- 7) Unzip the HTNbotProj.zip to the project folder for JBuilder. This is usually in C:\Documents and Settings\currentUserName\jbproject\ (depends on the version of JBuilder)
- 8) Create a shortcut to “htnbot.bat” in the htnbot project directory and copy the shortcut to your desktop.

## ***Opening and Compiling the Project***

- 1) Open JBuilder
- 2) Open the htnbot project. File->Open Project. Browse to C:\Documents and Settings\currentUserName\jbproject\htnbot then open the htnbot.jpj

- 3) In JBuilder, right click on htnbot.jpx in the project panel then select Rebuild.
- 4) Once it's done, you can double click on the htnbot.bat shortcut on your desktop to start the Javabot app.

### ***Running an Experiment***

- 1) Run the shortcut for "runserver.bat" on the Desktop
- 2) Run the shortcut for "tclviz.tcl" on the Desktop, and click "create"
- 3) Run the shortcut for "htnbot.bat" on the Desktop
- 4) Click Team->Add Bot on the menu
  - a. Add 2 bots with class "lu.HTNbot" and team "blue"
  - b. Add 2 more bots with class "lu.CMU\_Improved" and team "red"
  - c. Click Connect all to connect.