GeniusWeb Deployment

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ÖZYEĞİN
ÜNİVERSİTESİ

Source: https://tracinsy.ewi.tudelft.nl/pubtrac/GeniusWeb

GeniusWeb

- An open architecture for negotiation via the internet.
- Contains a java-based reference implementation.
- Provides many components needed in negotiation such as:
  - Issues
  - Values
  - Domain descriptions
  - Preference profiles
  - Negotiation protocols
  - etc.

GeniusWeb Overview

GeniusWeb contains a number of components:

	name	description
	the core	the data structures for issues, values, bids, profiles, events and actions, parties etc.
	profilesserver	a web server that provides profiles and domain descriptions
	partiesserver	A web server that provides instances of running parties to use for negotiation
	runserver	A web server that can run sessions and tournaments
	stand-alone GUI app	Application that has similar GUI functionality as the servers, but as stand-alone app
	GeniusWeb 3rd parties	parties for geniusweb written by others

Required Installations:

- Java: https://www.oracle.com/java/technologies/javase-jdk16-downloads.html

- Maven: https://maven.apache.org/download.cgi

- IntelliJ Ultimate: https://www.jetbrains.com/idea/download

- Apache Subversion (Optional): https://subversion.apache.org/packages.html

  - Will be used for downloading the source code of ANAC 2020 agents

    - **https://tracinsy.ewi.tudelft.nl/pub/svn/GeniusWebThirdParties**

- Apache Tomcat: https://tomcat.apache.org/download-80.cgi

- GeniusWeb Profiles Server: http://artifactory.ewi.tudelft.nl/artifactory/libs-release-local/geniusweb/profilesserver/1.4.3/profilesserver-1.4.3.war

- GeniusWeb Parties Server: http://artifactory.ewi.tudelft.nl/artifactory/libs-release-local/geniusweb/partiesserver/1.4.3/partiesserver-1.4.3.war

- GeniusWeb Run Server: http://artifactory.ewi.tudelft.nl/artifactory/libs-release-local/geniusweb/runserver/1.4.3/runserver-1.4.3.war

- GeniusWeb App: https://ii.tudelft.nl/GeniusWeb/genius-web-app-v0.5.3-Setup-win.zip

Installation of Java

Installation of Maven

✓ Build automation tool

A Build Lifecycle is Made Up of Phases:

▶ **Validate:** validate the project is correct and all necessary information is available

▶ **Compile:** compile the source code of the project

▶ Test: test the compiled source code using a suitable unit testing framework. These tests should not require the code be packaged or deployed

▶ **Package:** take the compiled code and package it in its distributable format, such as a JAR.

▶ Verify: run any checks on results of integration tests to ensure quality criteria are met

▶ Install: install the package into the local repository, for use as a dependency in other projects locally

▶ Deploy: done in the build environment, copies the final package to the remote repository for sharing with other developers and projects.

Source: https://maven.apache.org/guides/introduction/introduction-to-the-lifecycle.html

Installation of IntelliJ Ultimate
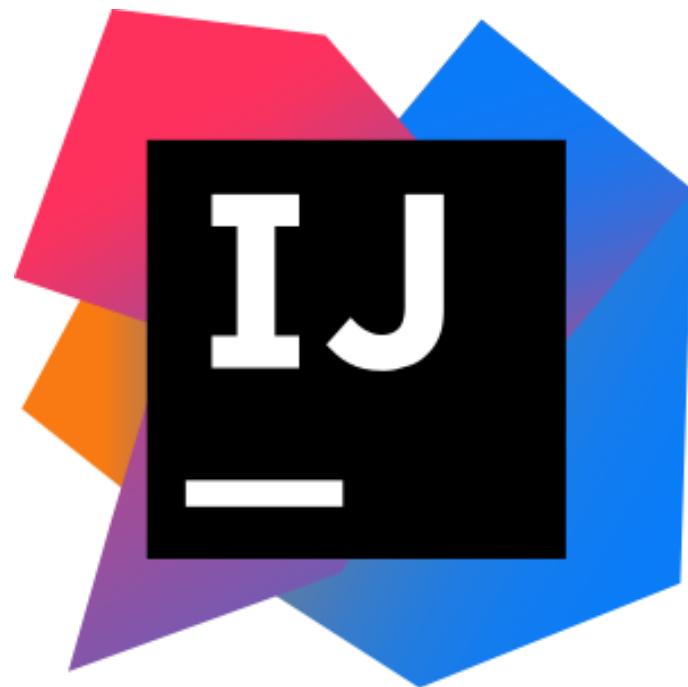
Installation of Apache Subversion (Optional)

✓ ANAC 2020 agents

Running the GeniusWeb Servers and Starting a Negotiation Session

MyAgent Source Code: https://github.com/abyildirim/geniusweb-tutorial

Thanks
For Watching