INSTALL INSTRUCTIONS

## Install XAMPP

Download and install the appropriate version of XAMPP:  
https://www.apachefriends.org/index.html

## Add the server location

Add the server location to the hosts file (C:\Windows\System32\drivers\etc\hosts):  
e.g. *127.0.0.1       local.twitteranalyser.at*

## Copy the application folder

Copy the application folder into the htdocs folder of your XAMPP (e.g.: C:\xampp\htdocs)

## Add the virtual host

Add the following lines to the httpd-vhosts.conf (e.g.: C:\xampp\apache\conf\extra):

*NameVirtualHost \*  
  
<VirtualHost \*:80>  
    DocumentRoot "C:/xampp/htdocs"  
    ServerName localhost  
</VirtualHost>  
  
  <VirtualHost \*:80>  
    DocumentRoot "C:\XAMPP\htdocs\twitteranalyser\public"  
    ServerName* *local.twitteranalyser.at  
  <Directory "C:\XAMPP\htdocs\twitteranalyser\public">  
    Order allow,deny  
    Allow from all  
  </Directory>  
</VirtualHost>*

## Start the server

Start XAMPP. Start the Apache HTTP server and the MySQL database via the XAMPP Control Panel.

## Create the database

Start phpMyAdmin (admin button of MySQL on XAMPP Control Panel).  
Click on ‘new’ at the left navigation panel. Fill in *twitteranalyser* as database name and choose *utf8\_general\_ci* as table collation.  
Click on import, choose the twitteranalyser.sql file from the application folder (e.g. C:\xampp\htdocs\SE2\database\dbscripts) as import file and click on the ok button.

## Start the browser

Start the Mozilla Firefox browser.

## Use the application

Navigate to *local.twitteranalyser.at* (For further information see the user documentation.)

## Additional steps: Setup Java and start tweets fetching

The java part of the application that deals with fetching the tweets requires two setup steps:

* JRE6 or higher has to be installed on the system

https://www.java.com/de/download/manual.jsp

* A java home variable has to be set as Windows environment variables, and has to point to the java directory where ‘bin\java.exe’ can be found

This can be evaluated by typing

*java -version*

at a command shell.

For the tweets fetching, the database server has to be started. The tweets fetching can be started by different ways:

* Manual execution by opening a command shell in the ‘nativeApp’ folder of the application and typing the following command:

*java -jar tweetLoader.jar*

This approach needs continuous re-execution and fetches all tweets for the configured events it can find on the database

* Scheduling the above mentioned command with the Windows Task Scheduler so that the fetching is continuously re-executed at defined intervals. Please refer to the Windows Help for more information on the Windows Task Scheduler.

**Note**: Because of limitations in the Twitter API, it is currently not possible to fetch tweets from more than 15 events every 15 minutes. Therefore, a timeframe of more than 15 minutes should be used between re-executions.