

Display the current time from an Atomic Clock

The whole exercise should be done over three days – three stages

Requirements

Display the local regional atomic time. This is the time retrieved from an Atomic Clock server for the region that you live in.

The time should be displayed in the following format “<day> <month> <year> <hh:mm:ss>”. It should be in a font and style that makes it very noticeable.

The time must be retrieved from a time server – recommended server location <https://www.ntppool.org/en/>. Time servers that can be reached easily are at <https://www.pool.ntp.org/zone/europe>, and <http://www.ntp.org/>.

Stage 1 – time to complete 4 hours

Requirements

Operations Team

Provide some hardware that allows an application to be deployed onto it. The application can be written in a Java, Python, or C#. The application will serve the current time to web clients.

Time server cannot run on same server as the web server. The Time server cannot expose data on any other port other than port 80.

Deployment → build and test: local machines, Deployment: Linux server in the cloud

Web server will be deployed on a Windows Host. Time server will be deployed onto a Linux Host.