



# Programming Task

## Overview

The goal of the assignment is to create a solution we can use to have a conversation about your software development skills. To this end we are looking for readable code and passing tests.

Please provide a solution that meets the deliverables stated below.

## Time and effort

Our expectation is that this assignment should take roughly 2-4 hours. If you find yourself spending more time you may want to revisit your approach or ask for clarification.

## The task

The task is to parse a log file containing HTTP requests and to report on its contents. For a given log file we want to know:

- The number of unique IP addresses
- The top 3 most visited URLs
- The top 3 most active IP addresses

## Example Data

177.71.128.21 -- [10/Jul/2018:22:21:28 +0200] "GET /intranet-analytics/ HTTP/1.1" 200 3574 A log file with test data is included with this assignment.

## Deliverables

- For this task we ask that you use C#
- There are no restrictions on language features and you are free to use third-party libraries
- Please include tests that demonstrate your solution is working
- You can submit your solution as a zip file containing the source code or a public git repository