Due: Wednesday, Dec 7, 2016. 11:59pm

You may apply any remaining late days you have against this exercise.

What to submit: Send email to cs3214-staff@cs.vt.edu from a @vt.edu address when you are ready to demo, with a link to your server and the PID of you and your partner.

1. Running Your Web Server In The Cloud

In this short exercise, you are asked to demonstrate your Project 4 implementation on a virtual machine on a commercial infrastructure.

You may use any commercial IaaS provider. We recommend using the Amazon EC2 cloud computing infrastructure because of its AWS Educate program, which provides free credits for education use. Learn more about the program at https://aws.amazon-.com/education/awseducate/.

You must demonstrate the web service integrated into a HTML page, similar to (or an improved version of) the one shown at `http://cs3214.cs.vt.edu:9011/files/index.html`That is, all files (.html, .css, .js, etc.) should be served from your cloud instance.[1]

Your webserver must be stable enough to survive reloads without crashing or load spikes. To test this, connect to your webserver and hold the refresh button (F5 in Google Chrome) for 10 seconds. Your server cannot crash.

For runloop, your webserver must show a spike in the number of threads, one for every time runloop is served, without delay.

If any weaknesses are found during your demonstration, you will have a chance to fix them.

Although you may demonstrate your web service as a group, each group member may only apply their own remaining late days (should they differ).

Don't forget to turn off your virtual machine after we have acknowledged your demo to avoid the accrual of unwanted costs.

Signing up with a commercial provider, even for free AWS Educate credits, may require that you use a credit card for verification of your identity. If this constitutes a personal hardship for you, please contact an instructor.

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[1]If you didn't implement serving files in your Project 4, you may have to set up a web server such as Apache. However, it is possible to perform this exercise even if your project 4 meets only minimum requirements.