**TTRS Application Deployment**

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The TTRS application is hosted using AWS EC2, and docker containers. I chose to host the application on AWS because I was already familiar with the environment, and I wanted to learn more about configuring my own hosting infrastructure. The application is made up of three Docker containers running, Java Spring Boot (API), Nginx with an Angular JS build (frontend), and MySQL (Database). The three containers run on one EC2 instance. This approach is that of a monolithic infrastructure where one computer handles all the processing of the application. I used a t3.medium EC2 instance with 2 processing cores and 4 GiB of ram. While this approach successfully runs the application and allows room for supporting multiple users to access it simultaneously, it was a pricey approach. The same result could possibly be reached with three t2.micro instances, to run one container on each, and a private network subnet. The Docker images were built on my local development machine and pushed to a general repository, which was then pulled on to the EC2 instance. A docker-compose file was used to automatically run and initialize the docker containers and contained all of the necessary environment variables and volume attachments to direct each internal service of the application to communicate with one another effectively. This process is not entirely automated; however, it is more efficient than the alternative and allows for updates to the application to be easily implemented.