Deployment Guide

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# **Introduction**

This deployment guide will serve as a guide on how to deploy the Galant-JS system to the existing Apache server. Additionally, there is a brief section on how to install a local copy of the program on your computer.

# **Production Installation**

*The below section is from the Spring 2023 & Fall 2023 Senior Design Team’s Installation Manual. The full Spring 2024 Senior Design Team Installation Manual can be found* [*here*](https://docs.google.com/document/d/1z2Ms082QmBeTbKGFQ3gE1-BmiUx2g-DJFaa2a97-Omw/edit?usp=sharing)*.*

To deploy a change to the production server:

● Log into the production server

● Go to the base of the project at /var/www/galant-js and run $ ./deploy.sh <your username on the box>

○ This script pulls main, runs npm run build and restarts Apache. You can also do this all manually if you want.

■ In some cases, it might be necessary to have a GitHub ssh key in order to clone the repository. You may want to follow this guide if that is the case:<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>

# **Troubleshooting**

A common issue that can arise when deploying code to the Apache server is:

● Route/path mismatch

○ The routes in your React files must match the path in the Apache server.

● For other issues with the Apache server, you may wish to check the log files as specified in this article:<https://www.eurovps.com/faq/how-to-troubleshoot-apache-webserver/>

# **Verifying Installation Success**

The easiest way to verify that the installation was successful on the Apache server is by also running a local version of Galant-JS and comparing the two side by side. On the server side, if you go to<https://galant.csc.ncsu.edu/> you should see the same home page with the program loaded successfully box that you would see on the version run on a local host.

If running a local version of Galant-JS is not of interest to you, you can also test that the program was installed correctly by walking through our User’s Guide.