

FILE FORTRESS: A CONTAINERIZED FILE HOSTING SERVICE

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ABSTRACT

For websites with user-generated content, uploading images and other media may not always be supported, requiring the use of hyperlinks instead. As the final project for our Web Programming course, we created File Fortress, a file hosting service. Users are able to manage files via web interface, command line application, or a REST API. Our project consists of a Python backend, Flask web server, MariaDB database, with a nginx reverse proxy and file server. The tech stack can easily be launched via a single command by the use of Docker Compose. Overall, File Fortress simplifies the installation, uploading, and sharing process of file hosting.