

NASA's core Flight System Framework Overview

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Abstract—The core Flight System (cFS) is a platform and project independent reusable software framework and set of reusable software applications. There are three key aspects to the cFS architecture: a dynamic run-time environment, layered software, and a component-based design. It is the combination of these key aspects that makes it suitable for reuse on any number of flight projects and/or embedded software systems at a significant cost and schedule savings. This tutorial will give a brief overview of the architecture and demonstrate a simple app development and deployment.