

Installed: Git, CMake and Python

Notes: [The Discerning User's Guide to F' | F' \(nasa.github.io\)](https://nasa.github.io/fprime/)

Yellow- Need to go more in depth,

F Prime – A frame Work for development and deployment of embedded system and spaceflight

,Used on CubeSats (Small Cube like Satellites) and SmallSats, Component Architecture, C++ Framework with **queues, threads and operating system abstractions**.

Projects – Can consist of many deployments which can share component designs

Deployments – contain the system to create and build f prime framework

Topology – interconnected components that can list connections between the ports.

CommandDispatchPort, Guarded and Kind ports

Ports – Point of network interconnection for components, different types of ports but they can only connect to the same type. Port taking to a port is called invocation, data_types. Can specify zero or many arguments of data (int,float, **U8**) *Careful with memory management* *A single output port can be connected to only one input port at a time**Distinguish port design and instantiation

Port Serialization – makes arguments to data buffers

F prime modules