



## Notebook

## Cmd Line

## Portal

## Developer Services

RubinTV

## Rubin Control

LOVE

## ASTRONOMICAL DOMAIN ENABLING SERVICES

Astro APIs (UWS,TAP+ etc.), Data Access (Butler, Rucio) Identity/Group services, AstroPy

## SYSTEM SOFTWARE AND COMPONENTS

## Phalanx, Helm/Terraform, Kubernetes, Condor, Docker, Jenkins CI

## HARDWARE RESOURCES / Physical Layer

Compute (HPC,GPU), Storage, Database services