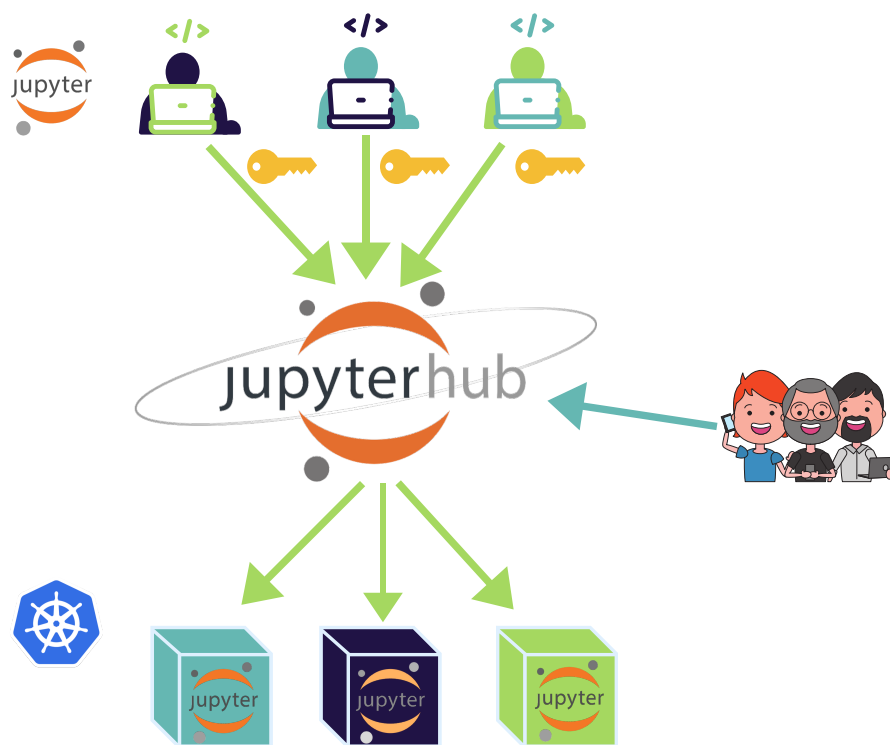# JupyterHub POD
Serve up Jupyter Notebooks on demand

JupyterHub POD, by Mark III Systems, is an integrated infrastructure stack, powered by JupyterHub and NVIDIA GPUs, designed to serve up Jupyter Notebooks and JupyterLab sessions on demand in a predictable manner for your communities of users focused on data science work, including accelerated AI/Machine Learning.

Regardless of if you're spinning up or scaling a data science institute at a University, or trying to empower a large team of researchers or data scientists at an enterprise or research institution, JupyterHub POD will enable you to put Jupyter Notebooks and data science tools in their hands, all while empowering your IT team to maintain and operate the pod stack in a consistent manner.
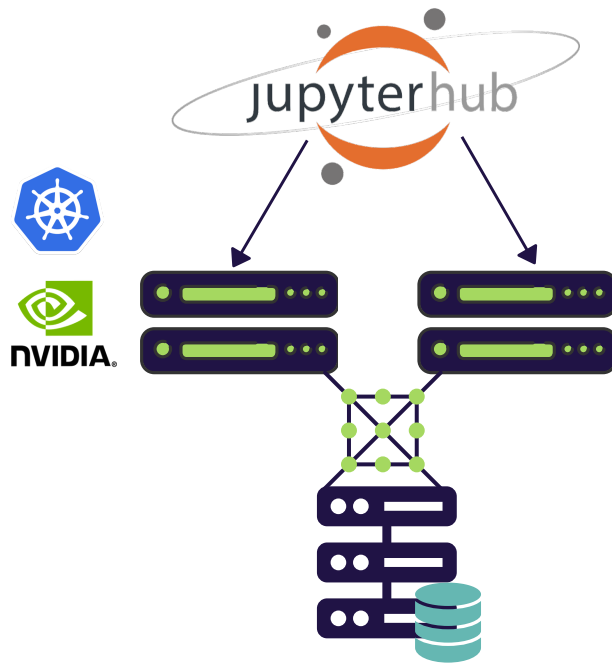
SIMPLE AND HASSLE-FREE BY DESIGN

A JupyterHub POD is designed to be integrated and simple to plan for and adopt. Built with modular building blocks of scalable compute, network, and storage, Mark III then deploys industry-standard JupyterHub and a Kubernetes orchestration layer with an integrated, purpose-built installer to bring the JupyterHub POD to life and ready for the organization to serve Jupyter Notebooks.

Because of its modular nature, it is much simpler to be able to size for and plan for a pod, just with knowledge of the number of concurrent Jupyter Notebooks needed, general configurations of the data science workloads required, and basic user requirements around storage needed per group and per user.

BUILT TO BE DYNAMIC AND AGILE

Adjust available Jupyter Notebook configurations quickly, as classes, workshops, usergroups, or teams change over time. Managing resources available to your always changing user community centrally via JupyterHub is a huge advantage of this dynamic approach. Similarly, scale up with more pods and optimize for the data science workload needs of your user community in a modular fashion.

GETTING STARTED

Mark III can work with your organization to determine the best way to integrate a JupyterHub POD strategy into your Jupyter user community with a keen eye on how your organization uniquely operates.

CONTACT US

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To learn more about Mark III Systems, visit www.markiiisys.com