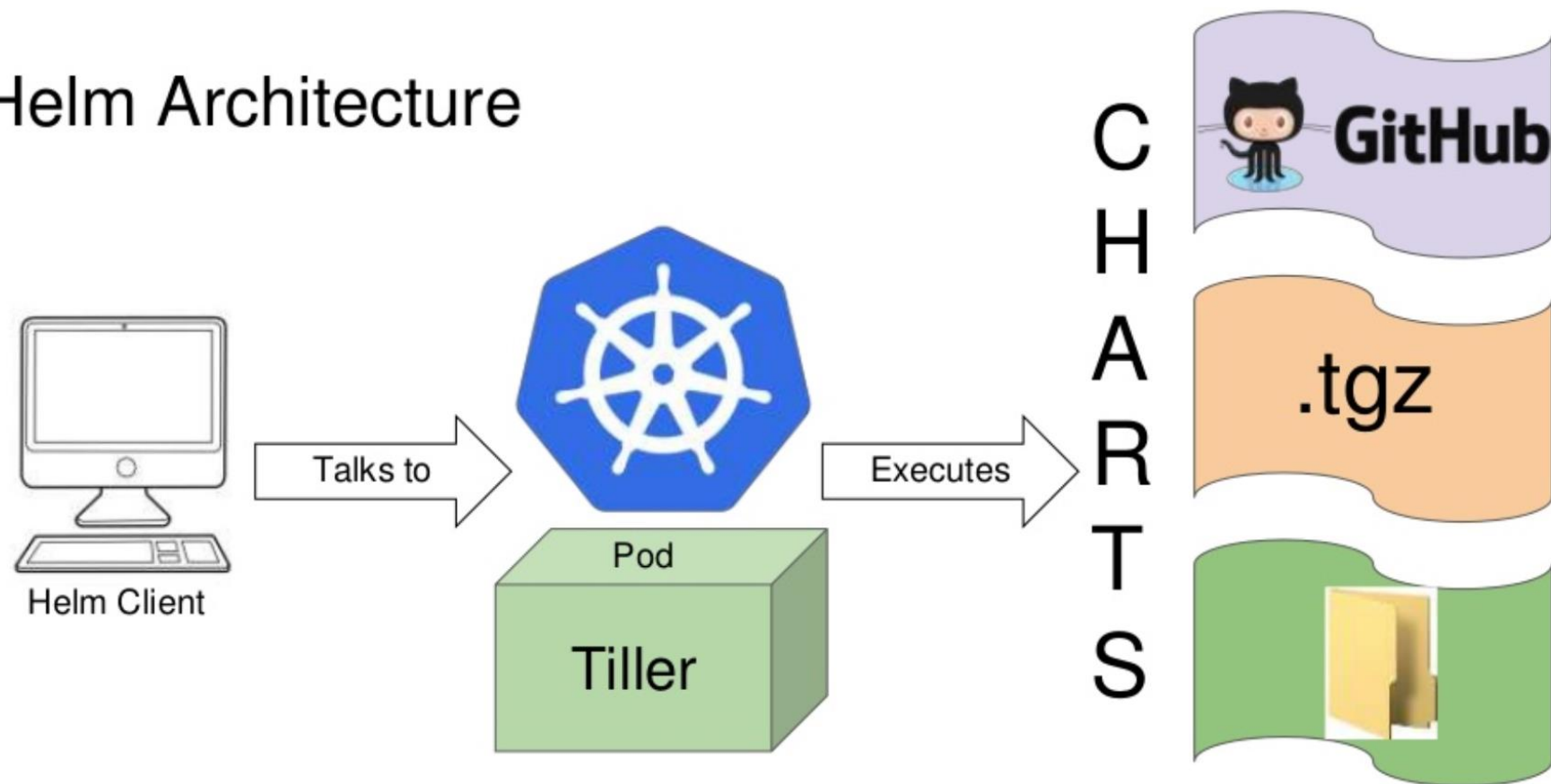# What is Helm?

Helm is a package manager for Kubernetes.

It allows easy installation and management of Kubernetes applications.
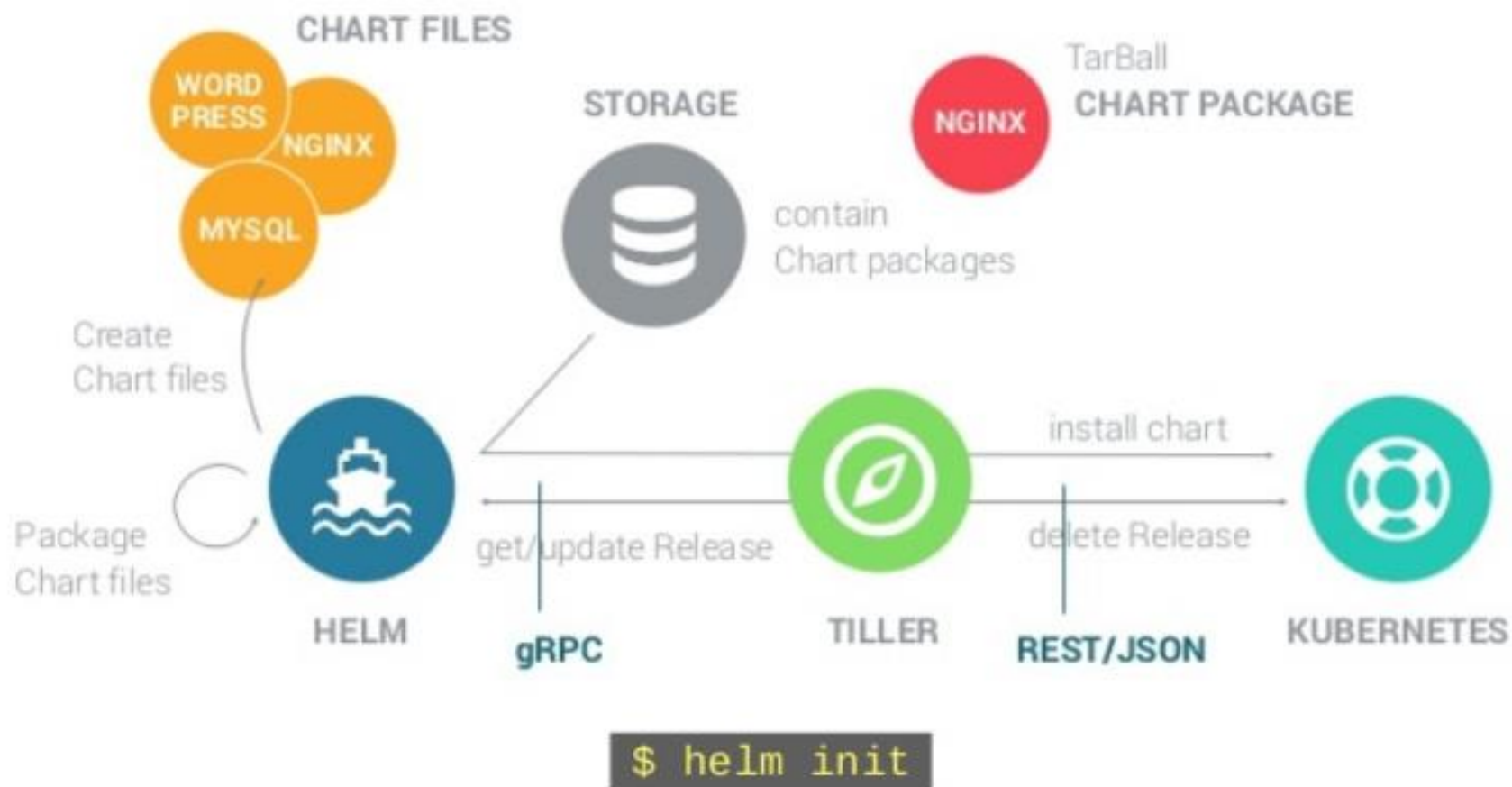
What is Helm?

- Helm is a *Package Manager* for Kubernetes

  - package multiple K8s resources into a single logical deployment unit: *Chart*

  - ... but it's **not just** a *Package Manager*

- Helm is a *Deployment Management* for Kubernetes

  - do a repeatable deployment

  - management dependencies: reuse and share

  - manage multiple configurations

  - update, rollback and test application deployments (*Releases*)

Helm Architecture

Helm Architecture

CHART FILES

WORD PRESS

NGINX

MYSQL

STORAGE

contain
Chart packages

TarBall
CHART PACKAGE

NGINX

Create
Chart files

Package
Chart files

install chart

get/update Release

delete Release

HELM

gRPC

TILLER

REST/JSON

KUBERNETES

```
$ helm init
```

Demo