helm:

chart - Helm uses a packaging format called charts.

A chart is a collection of files in a directory that describe a related set of Kubernetes resources.

A single chart might be used to deploy something simple, like a memcached pod, or something complex, like a full web app stack with HTTP servers, databases, caches, and so on.

If you want to download and look at the files for a published chart, without installing it, you can do so with helm pull chartrepo/chartname.

Inside of wordpress directory, Helm will expect a structure that matches this:

wordpress/

Chart.yaml # A YAML file containing information about the chart

LICENSE # OPTIONAL: A plain text file containing the license for the chart

README.md # OPTIONAL: A human-readable README file

values.yaml # The default configuration values for this chart

values.schema.json # OPTIONAL: A JSON Schema for imposing a structure on the values.yaml file

charts/ # A directory containing any charts upon which this chart depends.

crds/ # Custom Resource Definitions

templates/ # A directory of templates that, when combined with values,

# will generate valid Kubernetes manifest files.

templates/NOTES.txt # OPTIONAL: A plain text file containing short usage notes

**The Chart.yaml File**

The Chart.yaml file is required for a chart. It contains the following fields:

**apiVersion**: The chart API version (required)

**name**: The name of the chart (required)

**version**: A SemVer 2 version (required)

**kubeVersion**: A SemVer range of compatible Kubernetes versions (optional)

**description**: A single-sentence description of this project (optional)

**type**: The type of the chart (optional)

**keywords**:

- A list of keywords about this project (optional)

**home**: The URL of this projects home page (optional)

**sources**:

- A list of URLs to source code for this project (optional)

**dependencies**: *# A list of the chart requirements (optional)*

- **name**: The name of the chart (nginx)

**version**: The version of the chart ("1.2.3")

**repository**: (optional) The repository URL ("https://example.com/charts") or alias ("@repo-name")

**condition**: (optional) A yaml path that resolves to a boolean, used for enabling/disabling charts (e.g. subchart1.enabled )

**tags**: *# (optional)*

- Tags can be used to group charts for enabling/disabling together

**import-values**: *# (optional)*

- ImportValues holds the mapping of source values to parent key to be imported. Each item can be a string or pair of child/parent sublist items.

**alias**: (optional) Alias to be used for the chart. Useful when you have to add the same chart multiple times

**maintainers**: *# (optional)*

- **name**: The maintainers name (required for each maintainer)

**email**: The maintainers email (optional for each maintainer)

**url**: A URL for the maintainer (optional for each maintainer)

**icon**: A URL to an SVG or PNG image to be used as an icon (optional).

**appVersion**: The version of the app that this contains (optional). Needn't be SemVer. Quotes recommended.

**deprecated**: Whether this chart is deprecated (optional, boolean)

**annotations**:

**example**: A list of annotations keyed by name (optional).