

# Magnolia PaaS:

Deployment Guide

1.0, 2021-06-16: initial release

# **Table of Contents**

Copyright	1
Revision History	2
1. Deploy Magnolia PaaS	3
1.1. Deploy Magnolia PaaS	3
1.2. Configure Helm values	5
1.3. Create activation key	8
1.4. Use Makefile for deployment	9
2. Add Cluster to GitLab project	12
2.1. Prerequisites	
2.2. Instructions	12
3. Webapp deployment	18
3.1. The .gitlab-ci.yml file	18
3.2. The values.yml file	21
4. Light Module deployment	24
4.1. The .gitlab-ci.yml file	24
Annendix A. Helm Values reference	26

# Copyright

Copyright of Magnolia International©. This document may not be duplicated, in whole or in part, by any means whatsoever, without the prior written permission of Magnolia International. The information contained in this document is confidential and is the valuable proprietary information of Magnolia International Ltd. Visit the Magnolia official website to learn more about us as a company.

# **Revision History**

Revision	Date	Comments
1.0	2021-06-16	initial release

# Chapter 1. Deploy Magnolia PaaS

## 1.1. Deploy Magnolia PaaS

To deploy Magnolia PaaS, you need to make sure you meet certain prerequisites as well as follow the instructions provided here. There are two sub-sections in this guide:

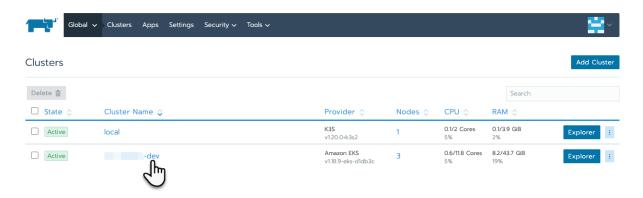
- Prerequisites
- Set up cluster
- Configure Helm values
- Use Makefile for deployment

#### 1.1.1. Prerequisites

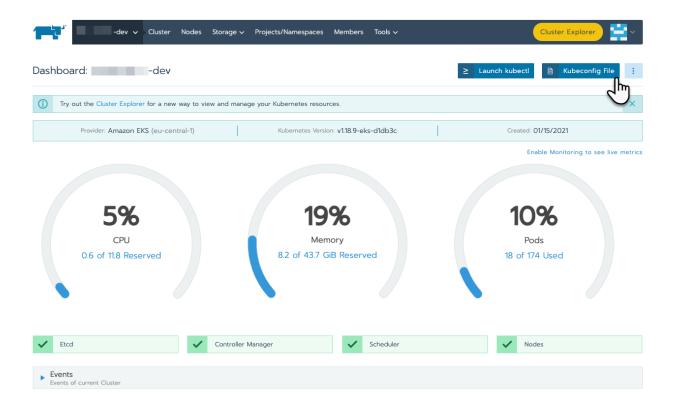
- You must have kubectl installed.
- You should be familiar with at least basic kubectl commands.
- You must have Helm installed.
- You must have been provided Rancher credentials by a member of the Magnolia PaaS team.

## 1.1.2. Set up cluster

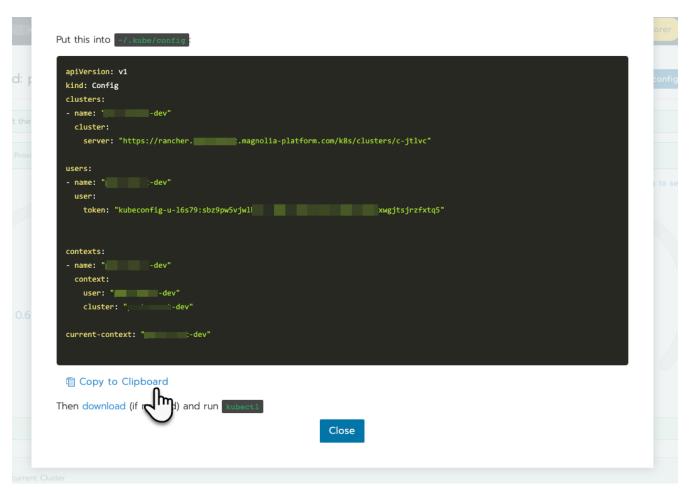
- 1. First, log in to your Rancher platform with your provided credentials. *This is where you see the clusters we have provisioned for you.*
- 2. Click the cluster that you want to connect to. this takes you to the cluster



3. Click **Kubeconfig File** in the top right above your cluster details.



4. In the pop-up window, copy the configuration settings shown to your local ~/.kube/config file.



5. Check your configuration locally with the following command:

kubectl config get-contexts



6. Add the repo that hosts the **magnolia helm chart** with the following commands:

```
helm repo add mironet https://charts.mirohost.ch;
helm repo update
```

# 1.2. Configure Helm values

Helm Values files are built-in Helm objects provide access to values passed to a chart and can be used inside of templates.

This section provides a template values.yml file to get your started. The table below describes the different parameters in the file.



For more details on values, see our Magnolia PaaS Helm Values reference page.

figure 1. values.yml

```
ingress:
  enabled: true
  annotations:
    nginx.ingress.kubernetes.io/proxy-body-size: 512m
    cert-manager.io/cluster-issuer: "letsencrypt-prod"
  hosts:
    - host: <env>.<project>.magnolia-platform.com ① ②
      paths:
        - path: /
          instance: public
        - path: /author
          instance: author
  tls:
    - hosts:
      - <env>.<project>.magnolia-platform.com 1 2
      secretName: <env>-cert (1)
image:
  pullSecrets: 3
    - name: docker-registry
  pullPolicy: Always
magnoliaAuthor:
  restartPolicy: Always
  redeploy: true 4
  contextPath: /author
  webarchive:
    repository: magnoliahamburg/custom-cloud
```

```
tag: 6.2.6.1
  bootstrap:
    password: "<password>" 5
  activation:
    useExistingSecret: True 6
    secret:
      name: activation-key
      key: activation-secret
  env:
    - name: magnolia.superuser.enabled
      value: "true"
    - name: magnolia.superuser.password
      value: "<password>" 5
    - name: magnolia.bootstrap.license.owner
      value: "<license owner>"
    - name: magnolia.bootstrap.license.key
      value: "<license key>"
  setenv:
    memory:
      maxPercentage: 80 ⑦
  resources:
    requests:
      memory: 4Gi 8
    limits:
      memory: 4Gi 8
  livenessProbe:
    enabled: true
magnoliaPublic:
  restartPolicy: Always
  contextPath: /
  webarchive:
    repository: magnoliahamburg/custom-cloud
    tag: 6.2.6.1
  bootstrap:
    password: "<password>" 5
  activation:
    useExistingSecret: True 6
    secret:
      name: activation-key
      key: activation-secret
  env:
    - name: magnolia.superuser.enabled
      value: "true"
    - name: magnolia.superuser.password
      value: "<password>" 5
    - name: magnolia.bootstrap.license.owner
      value: "<license owner>"
    - name: magnolia.bootstrap.license.key
      value: "<license key>"
  setenv:
```

memory:
 maxPercentage: 80 ⑦
resources:
 requests:
 memory: 4Gi ⑧
 limits:
 memory: 4Gi
livenessProbe:
 enabled: true

Item	Notes
1	The <env> value should be the same as used in the RELEASE value in the Helm call.  A wildcard DNS entry for <pre></pre></env>
2	The <project> name is generated by Magnolia when we create your cluster.  This is typically your company name.</project>
3	Specify the pullSecrets.  if the webarchive image is located in a private registry, see Use Docker secret.
4	Boolean specifying if there is an automatic redeployment triggered by changes.  defaults  magnoliaAuthor = false  magnoliaPublic = true  If set to true the instance is restarted even if the tag of the webarchive was not changed between deployments
5	Specify the environment password.  This must be the same in all places for the bootstrapping container to work correctly.
6	The activation key is handled by the bootstrapper container. This keeps magnoliaAuthor and magnoliaPublic in sync.

Item	Notes		
7	Specify the maximum percentage memory that is reserved for the tomcat container.		
	Default = 60		
8	Sets your memory for requests and limits.		
	46B is typically sufficient for Magnolia CMS.		

## 1.3. Create activation key

Create an activation secret for each of your environments using the following shell script below.



Set the <env> (1) to the same value (*production*, *integration*, *etc.*) set in the Helm call. This ensures the secret can be used properly by your deployment.

figure 2. create-activation-secret.sh

```
TEMPDIR=$(cat /dev/urandom | tr -dc 'a-z' | fold -w 10 | head -n 1)

NAMESPACE=<env> ①

mkdir $TEMPDIR

openssl genrsa -out $TEMPDIR/key.pem 1024

openssl rsa -in $TEMPDIR/key.pem -pubout -outform DER -out $TEMPDIR/pubkey.der

openssl pkcs8 -topk8 -in $TEMPDIR/key.pem -nocrypt -outform DER -out $TEMPDIR/key.der

echo key.public=$(xxd -p $TEMPDIR/key.der | tr -d '\n') > $TEMPDIR/secret.yml

echo key.private=$(xxd -p $TEMPDIR/pubkey.der | tr -d '\n') >> $TEMPDIR/secret.yml

kubectl create secret generic activation-key --from-file=activation

-secret=$TEMPDIR/secret.yml -n $NAMESPACE

rm $TEMPDIR/pubkey.der

rm $TEMPDIR/key.der

rm $TEMPDIR/secret.yml

rmdir $TEMPDIR/secret.yml
```

#### 1.3.1. Use Docker secret

If you store your webarchive image in a private registry and *not* in the Gitlab registry, you must create a **docker secret** which is referenced in the Helm values file.

Use the command below as a template for creating the docker secret:

```
kubectl create secret docker-registry docker-registry --docker
-server=https://index.docker.io/v1/ --docker-username=<username> --docker
-password='<password>' -n <env>
```



# 1.4. Use Makefile for deployment

You can use a local Makefile to test your deployment before officially implementing the pipeline.



Your generated Docker images should ideally be handled via a CI/CD pipeline.

```
RELEASE=<env> 1
VALUES_FILE=values.yml ②
CHART_NAME=mironet/magnolia-helm
CHART VERSION=v1.4.3 ③
# HELP
# This will output the help for each task
# thanks to https://marmelab.com/blog/2016/02/29/auto-documented-makefile.html
.PHONY: help
help:
@grep -E '^[a-zA-Z_-]+:.*?## .*$$' $(MAKEFILE_LIST) | sort | awk 'BEGIN {FS = ":.*?##
"}; {printf "\033[36m%-30s\033[0m %s\n", $$1, $$2}'
.DEFAULT GOAL := help
values: ## Show generated yaml resources and values.
helm install --dry-run --debug -f $(VALUES_FILE) --version $(CHART_VERSION) --generate
-name $(CHART_NAME) -n $(RELEASE)
clean: ## Clean up environment.
helm del $(RELEASE) -n $(RELEASE)
clean-pvc: ## Clean disks (PVCs) too.
kubectl get persistentvolumeclaims -n $(RELEASE) -l 'release=$(RELEASE)' -o json |
kubectl delete -f -
install: ## Install helm chart on k8s.
helm upgrade --install $(RELEASE) $(CHART_NAME) --version $(CHART_VERSION) --create
-namespace -n $(RELEASE) -f $(VALUES FILE)
upgrade: ## Upgrade locally deployed release.
helm upgrade $(RELEASE) $(CHART_NAME) --version $(CHART_VERSION) -n $(RELEASE) --reuse
-values -f $(VALUES_FILE)
test: ## Start helm tests.
helm test --logs $(RELEASE) -n $(RELEASE)
template: ## Template out, do not send to k8s.
helm template -f $(VALUES_FILE) $(CHART_NAME) --version $(CHART_VERSION) -n $(RELEASE)
```

Item	Notes		
1	The release value is used for the Helm relesae name as well as the namespace in which the release was created.		
	It should state the name of the environment of the release such as:		
	• dev		
	• test		
	• integration		
	Another cluster is installed for <b>production</b> .		
2	Specifies the values.yml file that contains important configuration.		
	See [Helm values] for more details.		
3	Checks the latest chart version with the command:		
	helm search repo mironet/magnolia-helm		

# Chapter 2. Add Cluster to GitLab project

In order for the project artifact to be deployed on your cluster, you must make sure that your cluster is connected to your GitLab repository correctly.

## 2.1. Prerequisites

- You must have a remote GitLab repository for your custom light module.
- You must have administrator privileges on your custom light module repository.
- You must have a Magnolia PaaS subscription.
- You must have an existing Rancher account and cluster.

### 2.2. Instructions

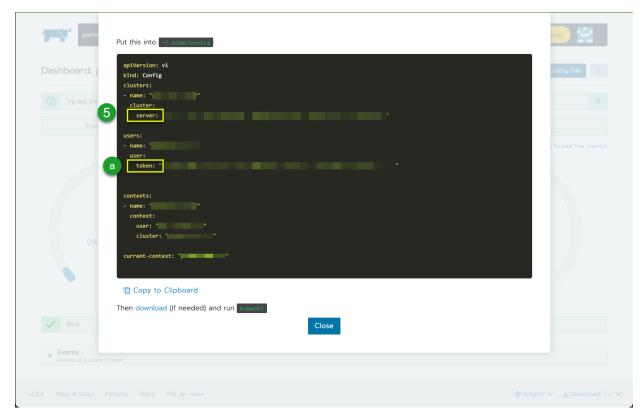
To complete these instructions, you need to have both Rancher and Gitlab open.



You should also have a text editor to hand.

#### 2.2.1. Rancher steps

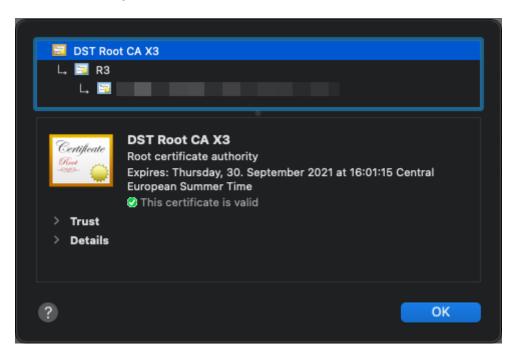
- 1. First thing's first, have your text editor open.
- 2. Log in to your Rancher account.
- 3. From the Global view, open the cluster you want to connect with your light module repo.
- 4. Open Kubeconfig File.
- 5. In the pop-up, copy the server URL. *Paste it into your text editor*.
  - a. Also, copy the token. Paste it into your text editor.



- Reep this handy for the Gitlab steps.
- 6. Now, in your browser, click the fancher URL.



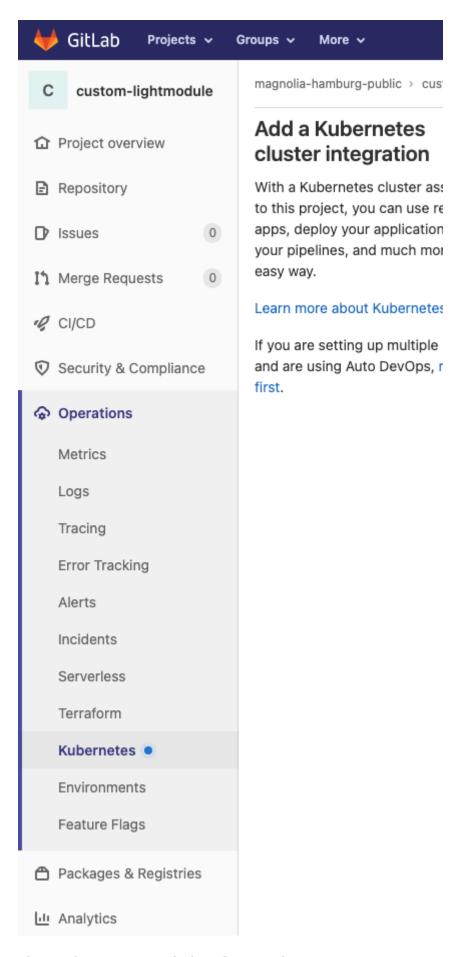
7. Select the **Root Certificate** and drag the certificate icon while holding option (MacOS) or alt (Windows) into your text editor.



Reep this handy for the Gitlab steps.

# 2.2.2. Gitlab steps

- 1. Log in to your Gitlab account.
- 2. Navigate to your custom light module repository.
- 3. Go to **Operations** > **Kubernetes**.



4. Choose the **Connect existing cluster** tab.

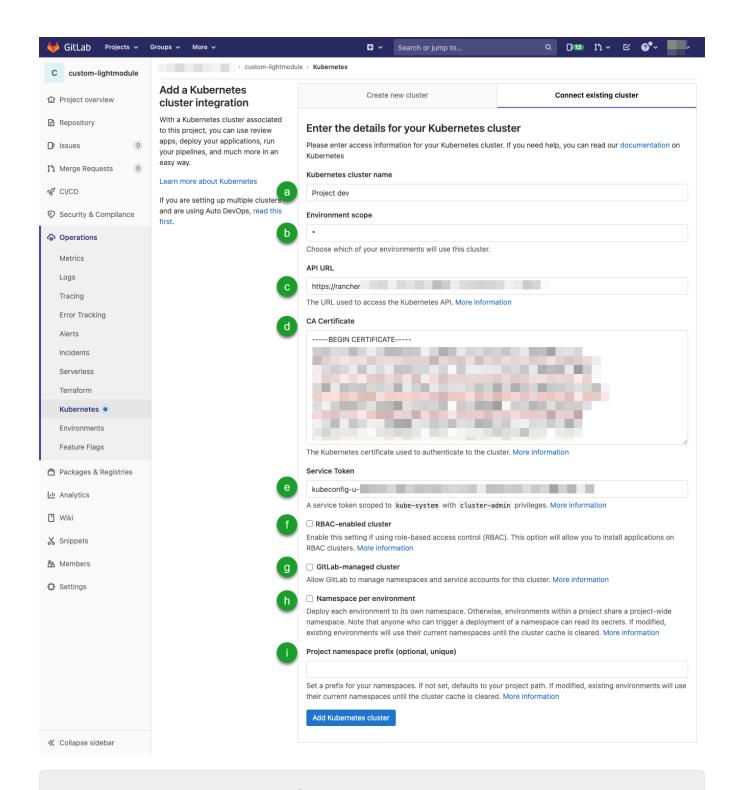
Add a Kubernetes cluster integration	Create new cluster	Connect existing cluster
With a Kubernetes cluster associated to this project, you can use review apps, deploy your applications, run your pipelines, and much more in an easy way.	Enter the details for your Kubernetes clust Rubernetes clust Kubernetes	
Learn more about Kubernetes  If you are setting up multiple clusters and are using Auto DevOps, read this first.	Kubernetes cluster name  Environment scope	

- 5. Fill in the details: (see the image below for help if needed)
  - a. Kubernetes cluster name



Choose any name, but note that it should correspond to your Rancher cluster name.

- b. **Environment Scope** *Leave the asterisk*.
- c. API URL Paste the server URL that you copied from Rancher.
- d. CA Certificate Paste the CA Certificate you took from the Rancher steps above.
- e. **Service Token** *Paste the* token you took from the *Rancher steps* above.
- f. Uncheck RBAC-enabled cluster
- g. Uncheck GitLab-managed cluster
- h. Uncheck Namespace per environment
- i. Leave the **Project namespace prefix (optional unique)** empty.
- 6. Click Add Kubernetes cluster.



## Ready for launch

The cluster is now ready for deployments.

# Chapter 3. Webapp deployment

A Java Web Application (webapp) is a collection of servlets, other Java classes, static resources (*such as HTML pages*), other resources, and meta information that describes the webapp bundled together. The Java webapp in Magnolia PaaS has a typical structure.

figure 4. Webapp structure example



## 3.1. The .gitlab-ci.yml file

It's important that you configure the .gitlab-ci.yml file correctly so that your development changes are picked up and deployed.



Magnolia automatically picks up the changes when using this approach.

Table 1. .gitlab-ci.yml descriptors

Item	Notes		
1	The environment variables are set automatically by GitLab if the GitLab registry is used for the project.		
	We recommend that you use GitLab.		
	env variables		
	• \$CI_REGISTRY_USER		
	• \$CI_REGISTRY_PASSWORD		
	• \$CI_REGISTRY		

Item	Notes
2	The GIT_TAG is used to set the tag for the created Docker image.
3	The first part of the URL ('integration' in this case) should match the DEPLOYMENT environment variable. The ingress creates the appropriate routes and since a wildcard DNS is used, the URLs are immediately accessible and secured by a certificate.
4	The project-name will be assigned by Magnolia at the start project.
5	The deployment must be triggered manually.

#### figure 5. .gitlab-ci.yml

```
# Use the latest Maven version
stages:
  - build
  - test
  - push
  - deploy
variables:
  MAVEN_OPTS: "-Dhttps.protocols=TLSv1.2
-Dmaven.repo.local=$CI PROJECT DIR/.m2/repository
-Dorg.slf4j.simpleLogger.log.org.apache.maven.cli.transfer.Slf4jMavenTransferListener=
WARN -Dorg.slf4j.simpleLogger.showDateTime=true -Djava.awt.headless=true"
  MAVEN_CLI_OPTS: "-s .m2/settings.xml --batch-mode --errors --fail-at-end --show
-version -DinstallAtEnd=true -DdeployAtEnd=true"
# Build the Maven project.
build-magnolia:
  image: maven:3.6-jdk-11-slim
  stage: build
  cache:
    key: "$CI_JOB_NAME"
    paths:
      - $CI_PROJECT_DIR/.m2/repository
  before_script:
    - mkdir -p $CI_PROJECT_DIR/.m2
  script:
    - mvn $MAVEN_CLI_OPTS package
    - ls -Fahl demo-cluster-webapp/target
  artifacts:
    expire_in: 30 days
    paths:
      - demo-cluster-webapp/target/*.war
```

```
# Execute the unit tests.
test:
 image: maven:3.6-jdk-11-slim
 stage: test
 cache:
   key: "$CI_JOB_NAME"
   paths:
     - $CI_PROJECT_DIR/.m2/repository
 before script:
    - mkdir -p $CI_PROJECT_DIR/.m2
 script:
    - mvn $MAVEN CLI OPTS test
# Build docker images based on artifacts from the build stage.
push-docker-image:
 image: docker:19.03.12
 stage: push
 dependencies:
   - build-magnolia
 before_script:
    - apk add --no-cache git
    - git --version
    # for debugging
   #- export
    - docker login -u "$CI_REGISTRY_USER" -p "$CI_REGISTRY_PASSWORD" $CI_REGISTRY 1
    - export GIT_TAG=$(git describe --always) ②
    export WEBAPP_IMAGE=${CI_REGISTRY_IMAGE}/magnolia-webapp
 script:
    - cd demo-cluster-webapp
    - docker build --pull -t "$WEBAPP_IMAGE:$GIT_TAG" .
    - docker push "$WEBAPP_IMAGE:$GIT_TAG"
.deploy:
 image: registry.gitlab.com/mironet/helm-kubectl-gomplate:v0.0.3
 stage: deploy
 before script:
    - apk add --no-cache git
    - git --version
   - export GIT_TAG=$(git describe --always) ②
    - apk add --no-cache openssl
    - helm repo add mironet https://charts.mirohost.ch/
deploy-integration:
 extends: .deploy
 script:
   export LE_ENVIRONMENT=letsencrypt-prod
    - export DEPLOYMENT=integration
    - export HELM_CHART_VERSION=1.4.3
    - cat values.yml | gomplate > ${DEPLOYMENT}.yml
    - cat ${DEPLOYMENT}.yml
    - helm upgrade --install ${DEPLOYMENT} mironet/magnolia-helm --version
```

```
${HELM_CHART_VERSION} --namespace ${DEPLOYMENT} --create-namespace -f
${DEPLOYMENT}.yml
    environment:
        name: integration
        url: https://integration.[project-name].magnolia-platform.com ③ ④
        when: manual ⑤

stop-integration:
    stage: deploy
    image: registry.gitlab.com/mironet/helm-kubectl-gomplate:v0.0.3
    script:
        - export DEPLOYMENT=integration
        - helm uninstall ${DEPLOYMENT} mironet/magnolia-helm --namespace ${DEPLOYMENT}
        when: manual ⑤
```

# 3.2. The values.yml file

The values.yml file will hold the configuration used by the Magnolia Helm Chart in the process of deploying the application to the cluster. Properties like project-name must be the same as in the .gitlab-ci.yml.

Table 2. values.yml descriptors

Item	Notes
1	For the development cluster the crawling of the public pages should by disallowed
2	The project-name will be assigned by Magnolia at the start project.
3	The password secret-pw must be the same in all 4 occurences.
4	The license-email and license-key will be provided by Magnolia.

#### figure 6. values.yml

```
- path: /author
          instance: author
  tls:
    - hosts:
        - {{ .Env.DEPLOYMENT }}.[project-name].magnolia-platform.com 2
      secretName: {{ .Env.DEPLOYMENT }}.[project-name].magnolia-platform.com ②
image:
  pullSecrets:
    - name: gitlab
  pullPolicy: Always
magnoliaAuthor:
  restartPolicy: Always
  redeploy: true
  contextPath: /author
  webarchive:
    repository: gitlab.[project-name].magnolia-platform.com/magnolia/base/magnolia-
webapp 2
    tag: {{ .Env.GIT_TAG | quote }}
  bootstrap:
    password: "[secret-pw]" 3
  activation:
    useExistingSecret: True
    secret:
      name: activation-key
      key: activation-secret
  env:
    - name: magnolia.superuser.enabled
      value: "true"
    - name: magnolia.superuser.password
      value: "[secret-pw]" 3
    - name: magnolia.bootstrap.license.owner
      value: [license-email] 4
    - name: magnolia.bootstrap.license.key
      value: [license-key] 4
  setenv:
    memory:
      maxPercentage: 80
  resources:
    requests:
      memory: 2Gi
    limits:
      memory: 2Gi
  livenessProbe:
    enabled: true
magnoliaPublic:
  restartPolicy: Always
  contextPath: /
  webarchive:
    repository: gitlab.[project-name].magnolia-platform.com/magnolia/base/magnolia-
webapp 2
    tag: {{ .Env.GIT_TAG | quote }}
```

```
bootstrap:
  password: "[secret-pw]" 3
activation:
 useExistingSecret: True
  secret:
    name: activation-key
    key: activation-secret
env:
  - name: magnolia.superuser.enabled
    value: "true"
  - name: magnolia.superuser.password
    value: "[secret-pw]" 3
 - name: magnolia.bootstrap.license.owner
    value: [license-email] 4
  - name: magnolia.bootstrap.license.key
    value: [license-key] 4
setenv:
 memory:
    maxPercentage: 80
resources:
  requests:
    memory: 2Gi
 limits:
    memory: 2Gi
livenessProbe:
  enabled: true
```

# Chapter 4. Light Module deployment

Your light module project must contain a light-modules folder containing one or more light modules.



The .gitlab-ci.yml will break if there are no light modules in the light module project.



The example .gitlab-ci.yml does not contain the JavaScript build commands.

figure 7. Light module structure example

```
custom-lightmodule
|-- README.md
|-- .gitlab-ci.yml
|-- light-modules
    |-- custom-lightmodule
        |-- README.md
        |-- decorations
        -- dialogs
            |-- components
            -- pages
                |-- custom-page.yaml
         -- i18n
            |-- custom-lightmodule-messages_en.properties
         -- includes
            |-- README.txt
         -- templates
            |-- components
            -- pages
                |-- custom-page.ftl
                |-- custom-page.yaml
        |-- webresources
```

# 4.1. The .gitlab-ci.yml file

It's important that you configure the .gitlab-ci.yml file correctly so that your light development changes are picked up and deployed.



Magnolia automatically picks up the changes when using this approach.

Table 3. gitlab-ci.yml descriptors

Item	Notes
1	The deploy stage first collects all pods running author or public instances and uses the devspace tool to rsync light module files to the running pods.

Item	Notes
2	The environment name must correspond to the environment name you used in your Helm deployment, the namespace is derived from the environment name.
3	The deployment must be triggered manually.

#### figure 8. gitlab-ci.yml

```
stages:
  - deploy 1
deploy:integration:sync:
  stage: deploy
  image: devspacesh/devspace:5
  cache:
    # We need this for syncing light modules into multiple pods.
    key: podlist-$CI_COMMIT_REF_SLUG
    paths:
      - pods.txt
    policy: pull
  environment:
    name: dev 2
  before_script:
    - export KUBECTL_NAMESPACE=${CI_ENVIRONMENT_SLUG} ②
    - export LIGHT_MODULES_CONTAINER_PATH=/mgnl-home/modules
  script:
    kubectl -n $KUBECTL_NAMESPACE get pods -l "release=$KUBECTL_NAMESPACE, tier=app"
-o name | sed 's/^pod\///' > pods.txt
      for pod in 'cat pods.txt'; do
        devspace sync -n $KUBECTL_NAMESPACE --local-path light-modules/ --pod $pod -c
magnolia-helm --container-path=$LIGHT_MODULES_CONTAINER_PATH --initial-sync
mirrorLocal --no-watch --upload-only
      done
  when: manual ③
```

# **Appendix A: Helm Values reference**

This page contains a reference table for Magnolia helm values.

Key	Type	Default	Description
bootstrap.enabled	bool	true	Do enable bootstrapping via REST.
deploy.directory	string	"/usr/lo cal/tomc at/webap ps"	Deploy into this directory innside the app server container.
deploy.securityContext.fsGroup	int	1000	Fixup file permissions for volumes mounted to the Magnolia pod.
deploy.securityContext.runAsGroup	int	1000	Group ID.
deploy.securityContext.runAsUser	int	1000	Run application pod under this user ID.  Do not use a privileged user here.
deploy.tempDir	string	"/usr/lo cal/tomc at/temp"	
fullnameOverride	string	пп	
image.pullSecrets	list	[]	
image.tomcat.pullPolicy	string	"IfNotPr esent"	Tomcat repo pull policy.
image.tomcat.repository	string	"tomcat"	The tomcat image we're going to use.
image.tomcat.tag	string	"9- jre11- slim"	Tomcat repo tag.
ingress.annotations	object	\{}	Additional annotations for the ingress object.
ingress.enabled	bool	false	Enable/disable ingress configuration.
ingress.hosts	list	[]	Specify hosts here as an array.
ingress.tls	list	[]	
jars[0].env[0].name	string	"INIT_DE ST"	

Key	Туре	Default	Description
<pre>jars[0].env[0].value</pre>	string	"/app/ma gnolia/W EB- INF/lib"	
<pre>jars[0].initScript</pre>	string	"/init.s h"	Where to find the init script which copies .jar files into tomcat/lib.
jars[0].name	string	"postgre s-jdbc"	
jars[0].repository	string	"registr y.gitlab .com/mir onet/mag nolia- jar/post gres- 42.2.8"	Example of additional jar, here the Postgres JDBC driver.
jars[0].tag	string	"v0.0.1"	
magnoliaAuthor	object	See values below	This is the author's configuration. It should not use H2 data base (the default).
magnoliaAuthor.activation.useExisting Secret	bool	false	Set this to true in case you want to use an existing activation key stored as a secret and provide its name.
magnoliaAuthor.bootstrap.instructions	string	нн	Verbatim content of the instructions for this instance. If empty use a default. This is intended to be used with the –set-file flag of ``helm install".
magnoliaAuthor.catalinaExtraEnv	object	{}	These key/value pairs will be added to CATALINA_OPTS.
magnoliaAuthor.contextPath	string	"/author	The context path of this Magnolia instance. Always use a leading slash.
magnoliaAuthor.db.backup.enabled	bool	false	Enable db backup sidecar.
magnoliaAuthor.db.persistence.mountPa	string	"/db"	Mount point is /db, PGDATA=/db/data
magnoliaAuthor.db.persistence.subPath	string	"data"	Mount point is /db, PGDATA=/db/data

Key	Туре	Default	Description
magnoliaAuthor.extraContainers	list	[]	Extra sidecar containers added to the Magnolia pod.
magnoliaAuthor.extraInitContainers	list	[]	Extra init containers added to the Magnolia pod.
magnoliaAuthor.jndiResources	list	[]	Additional JDNI resources to be added in tomcat's server.xml. The key/value pairs will be mapped to xml.
magnoliaAuthor.persistence.enabled	bool	true	Enable persistence for indexes, cache, tmp files. If this is enabled the MGNL_HOME_DIR env var will be set and a volume will be mounted to the default location unless it's specified here as mountPath.
magnoliaAuthor.persistence.existingCl aim	string	nil	Existing volumes can be mounted into the container. If not specified, helm will create a new PVC.
magnoliaAuthor.persistence.size	string	"10Gi"	In case of local-path provisioners this is not enforced.
magnoliaAuthor.persistence.storageClassName	string	пп	Empty string means: Use the default storage class.
magnoliaAuthor.podAnnotations	object	{}	Custom annotations added to pod.
magnoliaAuthor.redeploy	bool	false	If true, redeploy on ``helm upgrade/install" even if no changes were made.
magnoliaAuthor.rescueMode	bool	false	Enable Groovy rescue console.
magnoliaAuthor.resources.limits.memor y	string	"512Mi"	Maximum amount of memory this pod is allowed to use. This is not the heap size, the heap size is smaller, see setenv.memory for details.
magnoliaAuthor.resources.requests.mem ory	string	"512Mi"	Minimum amount of memory this pod requests.

Key	Туре	Default	Description
magnoliaAuthor.setenv.memory.maxPerce ntage	int	60	Maximum amount allocated to heap as a percentage of the pod's resources.
magnoliaAuthor.setenv.memory.minPerce ntage	int	25	Minimum amount allocated to heap as a percentage of the pod's resources.
magnoliaAuthor.setenv.update.auto	string	"true"	Auto-update Magnolia if repositories are empty (usually on the first run).
magnoliaAuthor.strategy.type	string	"Recreat e"	Kubernetes rollout strategy on helm upgrade
magnoliaAuthor.webarchive.repository	string	"registr y.gitlab .com/mir onet/mag nolia- demo"	The docker image where to fetch compiled Magnolia libs from.
magnoliaAuthor.webarchive.tag	string	"latest"	Do not use `latest' in production.
magnoliaPublic	object	See values below	This is the public instance.
magnoliaPublic.activation.useExisting Secret	bool	false	Set this to true in case you want to use an existing activation key stored as a secret and provide its name.
magnoliaPublic.bootstrap.instructions	string	нн	Verbatim content of the instructions for this instance. If empty use a default. This is intended to be used with the –set-file flag of ``helm install".
magnoliaPublic.catalinaExtraEnv	object	{}	These key/value pairs will be added to CATALINA_OPTS.
magnoliaPublic.contextPath	string	"/"	The context path of this Magnolia instance. Always use a leading slash.
magnoliaPublic.db.backup.enabled	bool	false	Enable db backup sidecar.
magnoliaPublic.db.contentsync.address	string	":9998"	TLS port of the backup sidecar.

Key	Туре	Default	Description
magnoliaPublic.db.contentsync.enabled	bool	true	Enable content sync on public instances. Depends on the backup being enabled and configured correctly for pg_wal log shipping.
magnoliaPublic.db.persistence.mountPath	string	"/db"	Mount point is /db, PGDATA=/db/data
magnoliaPublic.db.persistence.subPath	string	"data"	Mount point is /db, PGDATA=/db/data
magnoliaPublic.extraContainers	list	[]	Extra sidecar containers added to the Magnolia pod.
magnoliaPublic.extraInitContainers	list	[]	Extra init containers added to the Magnolia pod.
magnoliaPublic.jndiResources	list	[]	Additional JDNI resources to be added in tomcat's server.xml. The key/value pairs will be mapped to xml.
magnoliaPublic.persistence.enabled	bool	true	Enable persistence for indexes, cache, tmp files. If this is enabled the MGNL_HOME_DIR env var will be set and a volume will be mounted to the default location unless it's specified here as mountPath.
magnoliaPublic.persistence.existingCl aim	string	nil	Existing volumes can be mounted into the container. If not specified, helm will create a new PVC.
magnoliaPublic.persistence.size	string	"10Gi"	In case of local-path provisioners this is not enforced.
magnoliaPublic.persistence.storageClassName	string	11 11	Empty string means: Use the default storage class.
magnoliaPublic.podAnnotations	object	{}	Custom annotations added to pods.
magnoliaPublic.redeploy	bool	true	If true, redeploy on ``helm upgrade/install" even if no changes were made.
magnoliaPublic.replicas	int	1	How many public instances to deploy.

Key	Туре	Default	Description
magnoliaPublic.rescueMode	bool	false	Enable Groovy rescue console.
magnoliaPublic.resources.limits.memory	string	"512Mi"	Maximum amount of memory this pod is allowed to use. This is not the heap size, the heap size is smaller, see setenv.memory for details.
magnoliaPublic.resources.requests.mem ory	string	"512Mi"	Minimum amount of memory this pod requests.
magnoliaPublic.setenv.memory.maxPerce ntage	int	60	Maximum amount allocated to heap as a percentage of the pod's resources.
magnoliaPublic.setenv.memory.minPerce ntage	int	25	Minimum amount allocated to heap as a percentage of the pod's resources.
magnoliaPublic.setenv.update.auto	string	"true"	Auto-update Magnolia if repositories are empty (usually on the first run).
magnoliaPublic.strategy.type	string	"Recreat e"	Kubernetes rollout strategy on helm upgrade
magnoliaPublic.webarchive.repository	string	"registr y.gitlab .com/mir onet/mag nolia- demo"	The docker image where to fetch compiled Magnolia libs from.
magnoliaPublic.webarchive.tag	string	"latest"	Do not use `latest' in production.
nameOverride	string	11 11	
postjob.image	string	"registr y.gitlab .com/mir onet/mag nolia- bootstra p"	Where to get the bootstrapper from. This should not be changed under normal circumstances.
postjob.imagePullPolicy	string	"IfNotPr esent"	
postjob.tag	string	"v0.2.2"	
postjob.waitFor	string	"10m"	
service.annotations	object	{}	
service.clusterIP	string	"None"	

Key	Туре	Default	Description
service.ports[0].name	string	"http"	
service.ports[0].port	int	80	
service.ports[0].protocol	string	"TCP"	
service.ports[0].targetPort	int	8080	
service.type	string	"Cluster IP"	
sharedDb	object	See values below	Shared database (jackrabbit ``clustering'').
sharedDb.db.persistence.subPath	string	"data"	Mount point is /db, PGDATA=/db/data
sharedDb.enabled	bool	false	Enable shared db
timezone	string	"Europe/ Zurich"	Timezone for Magnolia.

# magnolia®