

# Docker Enterprise Container Cloud Release Notes

version latest

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## Product highlights

Docker Enterprise (DE) Container Cloud enables you to create and manage Docker Enterprise with UCP container clusters across multiple cloud and infrastructure platforms. Currently supported architectures include OpenStack, bare metal, and AWS, with more choice coming in the near future.

DE Container Cloud provides a web UI, CLI, and API to enable a self-service deployment of Docker Enterprise with UCP container clusters.

The major features of the DE Container Cloud GA release include:

- **Docker Enterprise with UCP multi-cluster**

- Create new fully managed Docker Enterprise with UCP container clusters on the DE Container Cloud supported infrastructure and operating system
- Attach existing Docker Enterprise with UCP 3.3.3 clusters that run on any infrastructure and operating system with a core set of most critical LCM operations

- **Automated software LCM**

Provide automated zero-touch update for DE Container Cloud and UCP, including Ubuntu operating system updates, with no workload impact

- **Multi-cloud infrastructure support**

Deploy Docker Enterprise with UCP container clusters through automated provisioning on the following infrastructure platforms: OpenStack, AWS, bare metal

- **Logging, monitoring, alerting**

Monitor individual managed Docker Enterprise with UCP container clusters as well as provide cluster metrics and alerts on resource utilization aggregated to the DE Container Cloud level

- **Bare Metal as a Service**

Provision pools of bare metal machines to use as a bare metal provider, which reduces layers of virtualization and provides efficient support for compute-intensive workloads

- **Ceph storage for bare metal**

Deploy Ceph utilizing Rook to provide and manage a robust and scalable persistent storage that can be used by Kubernetes workloads

- **User management**

Integrate IdP and user RBAC to assimilate with corporate single source of truth and assign role-based access

- **Intuitive web UIs for cluster management**

Provide a single UI for multiple cluster management as well as the Docker Enterprise with UCP container clusters UI for single cluster management

# Docker Enterprise Container Cloud releases

This section outlines the release notes for the Docker Enterprise (DE) Container Cloud GA release version 2.0.0.

Within the scope of the DE Container Cloud GA release, minor releases are being published continuously with new features, improvements, and critical issues resolutions to enhance the DE Container Cloud GA version. For details, see [Docker Enterprise Container Cloud releases and Cluster releases \(managed\)](#).

Once a new DE Container Cloud release is available, a management cluster automatically upgrades to a newer consecutive release unless this cluster contains managed clusters with a Cluster release unsupported by that DE Container Cloud release. For more details about the DE Container Cloud release mechanism, see [Reference Architecture: Release controller](#).

## 2.0.0 (current)

This section outlines release notes for the initial Docker Enterprise (DE) Container Cloud GA release 2.0.0. This release introduces support for the Cluster release 5.7.0 that is based on UCP 3.3.3, Docker Engine - Enterprise 19.03.12, and Kubernetes 1.18.

### Known issues

This section lists known issues with workarounds for the Docker Enterprise (DE) Container Cloud release 2.0.0.

- AWS
- IAM
- Storage
- Bare metal
- StackLight
- Bootstrap

---

### AWS

[6222] Managed cluster deployment requiring PVs may fail

On a management cluster with multiple AWS-based managed clusters, some clusters fail to complete the deployments that require persistent volumes (PVs), for example, Elasticsearch. Some of the affected pods get stuck in the Pending state with the pod has unbound immediate PersistentVolumeClaims and node(s) had volume node affinity conflict errors.

#### Warning

The workaround below applies to HA deployments where data can be rebuilt from replicas. If you have a non-HA deployment, back up any existing data before proceeding, since all data will be lost while applying the workaround.

Workaround:

1. Obtain the persistent volume claims related to the storage mounts of the affected pods:

```
kubectl get pod/<pod_name1> pod/<pod_name2> \
-o jsonpath='{.spec.volumes[?(@.persistentVolumeClaim)].persistentVolumeClaim.claimName}'
```

#### Note

In the command above and in the subsequent steps, substitute the parameters enclosed in angle brackets with the corresponding values.

2. Delete the affected Pods and PersistentVolumeClaims to reschedule them: For example, for StackLight:

```
kubectl -n stacklight delete \
pod/<pod_name1> pod/<pod_name2> ...
pvc/<pvc_name2> pvc/<pvc_name2> ...
```

---

## Bare metal

### [6988] LVM fails to deploy if the volume group name already exists

During a management or managed cluster deployment, LVM cannot be deployed on a new disk if an old volume group with the same name already exists on the target hardware node but on the different disk.

#### Workaround:

In the bare metal host profile specific to your hardware configuration, add the `wipe: true` parameter to the device that fails to be deployed. For the procedure details, see [Operations Guide: Create a custom host profile](#).

---

## IAM

### [2757] IAM fails to start during management cluster deployment

During a management cluster deployment, IAM fails to start with the IAM pods being in the `CrashLoopBackOff` status.

#### Workaround:

1. Log in to the bootstrap node.
2. Remove the `iam-mariadb-state` configmap:

```
kubectl delete cm -n kaas iam-mariadb-state
```

3. Manually delete the mariadb pods:

```
kubectl delete po -n kaas mariadb-server-{0,1,2}
```

Wait for the pods to start. If the mariadb pod does not start with the connection to peer timed out exception, repeat the step 2.

4. Obtain the MariaDB database admin password:

```
kubectl get secrets -n kaas mariadb-dbadmin-password \
-o jsonpath='{.data.MYSQL_DBADMIN_PASSWORD}' | base64 -d ; echo
```

5. Log in to MariaDB:

```
kubectl exec -it -n kaas mariadb-server-0 -- bash -c 'mysql -uroot -p<mysqlDbadminPassword>'
```

Substitute <mysqlDbadminPassword> with the corresponding value obtained in the previous step.

6. Run the following command:

```
DROP DATABASE IF EXISTS keycloak
```

7. Manually delete the Keycloak pods:

```
kubectl delete po -n kaas iam-keycloak-{0,1,2}
```

---

## StackLight

### [7101] Monitoring of disabled components

On the baremetal-based clusters, the monitoring of Ceph and Ironic is enabled when Ceph and Ironic are disabled. The issue with Ceph relates to both management or managed clusters, the issue with Ironic relates to managed clusters only.

Workaround:

1. Open the StackLight configuration manifest as described in [Operations Guide: Configure StackLight](#).
2. Add the following parameter to the StackLight helmReleases values of the Cluster object to explicitly disable the required component monitoring:
  - For Ceph:

```
helmReleases:
- name: stacklight
values:
...
ceph:
  disabledOnBareMetal: true
...
```

- For Ironic:

```
helmReleases:
- name: stacklight
values:
...
ironic:
  disabledOnBareMetal: true
...
```

#### [7324] Ceph monitoring disabled

Ceph monitoring may be disabled on the baremetal-based managed clusters due to a missing provider: BareMetal parameter.

Workaround:

1. Open the StackLight configuration manifest as described in [Operations Guide: Configure StackLight](#).
2. Add the provider: BareMetal parameter to the StackLight helmReleases values of the Cluster object:

```
spec:
  providerSpec:
    value:
      helmReleases:
        - name: stacklight
      values:
        ...
        provider: BareMetal
        ...
```

---

## Storage

### [6164] Small number of PGs per Ceph OSD

After deploying a managed cluster with Ceph, the number of placement groups (PGs) per Ceph OSD may be too small and the Ceph cluster may have the HEALTH\_WARN status:



health: HEALTH\_WARN  
too few PGs per OSD (3 < min 30)

The workaround is to enable the PG balancer to properly manage the number of PGs:

```
kexec -it $(k get pod -l "app=rook-ceph-tools" --all-namespaces -o jsonpath='{.items[0].metadata.name}') -n rook-ceph bash
ceph mgr module enable pg_autoscaler
```

### [7073] Cannot automatically remove a Ceph node

When removing a worker node, it is not possible to automatically remove a Ceph node. The workaround is to manually remove the Ceph node from the Ceph cluster as described in [Operations Guide: Add, remove, or reconfigure Ceph nodes](#) before removing the worker node from your deployment.

### [7131] rook-ceph-mgr fails during managed cluster deployment

Occasionally, the deployment of a managed cluster may fail during the Ceph Monitor or Manager deployment. In this case, the Ceph cluster may be down and and a stack trace similar to the following one may be present in Ceph Manager logs:

```
kubectll -n rook-ceph logs rook-ceph-mgr-a-c5dc846f8-k68rs
/home/jenkins-build/workspace/ceph-build/ARCH/x86_64/AVAILABLE_ARCH/x86_64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/gigantic/release/14.2.9/rpm/elf7/BUILD/ceph-14.2.9/src/mon/MonMap.h: In function 'void MonMap::add(const mon_info_t&)' thread 7fd3d3744b80 time 2020-09-03 10:16:46.586388
ceph version 14.2.9 (581f22ada52345dbaf4ee232b739990f6029a2a0) (nutlius stable)
1: (ceph::_ceph_assert_fail(char const*, char const*, int, char const*)+0x144) [0x7fd3ca9b2875]
2: (()+0x253a3d) [0x7fd3ca9b2a3d]
3: (MonMap::add(mon_info_t const&)+0x80) [0x7fd3cad49190]
4: (MonMap::add(std::string const&, entity_addrvec_t const&, int)+0x110) [0x7fd3cad493a0]
5: (MonMap::init_with_pgids(std::string const&, bool, std::string const&)+0xc9) [0x7fd3cad43849]
6: (MonMap::build_initial(CephContext*, bool, std::ostream&)+0x314) [0x7fd3cad45af4]
7: (MonClient::build_initial_monmap()+0x130) [0x7fd3cad2e401]
8: (MonClient::get_monmap_and_conf()+0x5f) [0x7fd3cad365af]
9: (global_pre_init(std::map<std::string, std::string, std::less<std::string>, std::allocator<std::pair<std::string const, std::string>> >> const*, std::vector<char const*, std::allocator<char const*>> >&, unsigned int, code_environment_t, int)+0x524) [0x55ce86711444]
10: (global_init(std::map<std::string, std::string, std::less<std::string>, std::allocator<std::pair<std::string const, std::string>> >> const*, std::vector<char const*, std::allocator<char const*>> >&, unsigned int, code_environment_t, int, char const*, bool)+0x76) [0x55ce86711b56]
11: (main()+0x136) [0x55ce8664f996]
12: (.lib_start.main()+0x75) [0x7fd3c6e73555]
13: (()+0x4c010) [0x55ce86505010]
```

The workaround is to start the managed cluster deployment from scratch.

## Bootstrap

### [7281] Space in PATH causes failure of bootstrap process

A management cluster bootstrap script fails if there is a space in the PATH environment variable. As a workaround, before running the bootstrap.sh script, verify that there are no spaces in the PATH environment variable.

## Components versions

The following table lists the major components and their versions of the Docker Enterprise (DE) Container Cloud release 2.0.0.

DE Container Cloud release components versions

Component	Application/Service	Version
AWS	aws-provider	1.10.12
	aws-credentials-controller	1.10.12

Bare metal	baremetal-operator	3.0.7
	baremetal-provider	1.10.12
	httpd	2.4.43-20200710111500
	ironic	train-bionic-20200803180020
	ironic-operator	base-bionic-20200805144858
	kaas-ipam	3.0.7
	local-volume-provisioner	1.0.4-mcp
	mariadb	10.4.12-bionic-20200803130834
IAM	iam	1.1.16
	iam-controller	1.10.12
	keycloak	9.0.0
DE Container Cloud	admission-controller	1.10.12
	byo-credentials-controller	1.10.12
	byo-provider	1.10.12
	kaas-public-api	1.10.12
	kaas-exporter	1.10.12
	kaas-ui	1.10.12
	lcm-controller	0.2.0-149-g412c5a05
	release-controller	1.10.12
OpenStack	openstack-provider	1.10.12
	os-credentials-controller	1.10.12

## Artifacts

This section lists the components artifacts of the Docker Enterprise (DE) Container Cloud release 2.0.0.

- Bare metal artifacts
- Core components artifacts
- IAM artifacts

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### Bare metal artifacts

Artifact	Component	Path
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Binaries	Target system image (ubuntu-bionic)	<a href="https://binary.mirantis.com/bm/bin/efi/ubuntu/cow2-bionic-debug-20200730084816">https://binary.mirantis.com/bm/bin/efi/ubuntu/cow2-bionic-debug-20200730084816</a>
	baremetal-operator	<a href="https://binary.mirantis.com/bm/helm/baremetal-operator-3.0.7.tgz">https://binary.mirantis.com/bm/helm/baremetal-operator-3.0.7.tgz</a>
	ironic-python-agent.kernel	<a href="https://binary.mirantis.com/bm/bin/ironic/ipa/ubuntu/kernel-train-bionic-debug-20200730084816">https://binary.mirantis.com/bm/bin/ironic/ipa/ubuntu/kernel-train-bionic-debug-20200730084816</a>
	ironic-python-agent.initramfs	<a href="https://binary.mirantis.com/bm/bin/ironic/ipa/ubuntu/initramfs-train-bionic-debug-20200730084816">https://binary.mirantis.com/bm/bin/ironic/ipa/ubuntu/initramfs-train-bionic-debug-20200730084816</a>
	kaas-ipam	<a href="https://binary.mirantis.com/bm/helm/kaas-ipam-3.0.7.tgz">https://binary.mirantis.com/bm/helm/kaas-ipam-3.0.7.tgz</a>
	local-volume-provisioner	<a href="https://binary.mirantis.com/bm/helm/local-volume-provisioner-1.0.4-mcp.tgz">https://binary.mirantis.com/bm/helm/local-volume-provisioner-1.0.4-mcp.tgz</a>
Docker images	baremetal-operator	mirantis.azurecr.io/bm/baremetal-operator:base-bionic-20200812172956
	httpd	mirantis.azurecr.io/bm/external/httpd:2.4.43-20200710111500
	ironic	mirantis.azurecr.io/openstack/ironic:train-bionic-20200803180020
	ironic-inspector	mirantis.azurecr.io/openstack/ironic-inspector:train-bionic-20200803180020
	ironic-operator	mirantis.azurecr.io/bm/ironic-operator:base-bionic-20200805144858
	kaas-ipam	mirantis.azurecr.io/bm/kaas_ipam:base-bionic-20200807130953
	mariadb	mirantis.azurecr.io/general/mariadb:10.4.12-bionic-20200803130834

Core components artifacts

Artifact	Component	Path
Bootstrap tarball	bootstrap-linux	<a href="https://binary.mirantis.com/core/bin/bootstrap-linux-1.10.12.tar.gz">https://binary.mirantis.com/core/bin/bootstrap-linux-1.10.12.tar.gz</a>
	bootstrap-darwin	<a href="https://binary.mirantis.com/core/bin/bootstrap-darwin-1.10.12.tar.gz">https://binary.mirantis.com/core/bin/bootstrap-darwin-1.10.12.tar.gz</a>
Helm charts	admission-controller	<a href="https://binary.mirantis.com/core/helm/admission-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/admission-controller-1.10.12.tgz</a>

	aws-credentials-controller	<a href="https://binary.mirantis.com/core/helm/aws-credentials-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/aws-credentials-controller-1.10.12.tgz</a>
	aws-provider	<a href="https://binary.mirantis.com/core/helm/aws-provider-1.10.12.tgz">https://binary.mirantis.com/core/helm/aws-provider-1.10.12.tgz</a>
	baremetal-provider	<a href="https://binary.mirantis.com/core/helm/baremetal-provider-1.10.12.tgz">https://binary.mirantis.com/core/helm/baremetal-provider-1.10.12.tgz</a>
	byo-credentials-controller	<a href="https://binary.mirantis.com/core/helm/byo-credentials-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/byo-credentials-controller-1.10.12.tgz</a>
	byo-provider	<a href="https://binary.mirantis.com/core/helm/byo-provider-1.10.12.tgz">https://binary.mirantis.com/core/helm/byo-provider-1.10.12.tgz</a>
	iam-controller	<a href="https://binary.mirantis.com/core/helm/iam-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/iam-controller-1.10.12.tgz</a>
	kaas-exporter	<a href="https://binary.mirantis.com/core/helm/kaas-exporter-1.10.12.tgz">https://binary.mirantis.com/core/helm/kaas-exporter-1.10.12.tgz</a>
	kaas-public-api	<a href="https://binary.mirantis.com/core/helm/kaas-public-api-1.10.12.tgz">https://binary.mirantis.com/core/helm/kaas-public-api-1.10.12.tgz</a>
	kaas-ui	<a href="https://binary.mirantis.com/core/helm/kaas-ui-1.10.12.tgz">https://binary.mirantis.com/core/helm/kaas-ui-1.10.12.tgz</a>
	lcm-controller	<a href="https://binary.mirantis.com/core/helm/lcm-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/lcm-controller-1.10.12.tgz</a>
	openstack-provider	<a href="https://binary.mirantis.com/core/helm/openstack-provider-1.10.12.tgz">https://binary.mirantis.com/core/helm/openstack-provider-1.10.12.tgz</a>
	os-credentials-controller	<a href="https://binary.mirantis.com/core/helm/os-credentials-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/os-credentials-controller-1.10.12.tgz</a>
	release-controller	<a href="https://binary.mirantis.com/core/helm/release-controller-1.10.12.tgz">https://binary.mirantis.com/core/helm/release-controller-1.10.12.tgz</a>
Docker images for DE Container Cloud deployment	aws-cluster-api-controller	mirantis.azurecr.io/core/aws-cluster-api-controller:1.10.12
	aws-credentials-controller	mirantis.azurecr.io/core/aws-credentials-controller:1.10.12
	byo-credentials-controller	mirantis.azurecr.io/core/byo-credentials-controller:1.10.12
	cluster-api-provider-baremetal	mirantis.azurecr.io/core/cluster-api-provider-baremetal:1.10.12
	frontend	mirantis.azurecr.io/core/frontend:1.10.12
	iam-controller	mirantis.azurecr.io/core/iam-controller:1.10.12
	lcm-controller	mirantis.azurecr.io/core/lcm-controller:v0.2.0-149-g412c5a05

	openstack-cluster-api-controller	mirantis.azurecr.io/core/openstack-cluster-api-controller:1.10.12
	os-credentials-controller	mirantis.azurecr.io/core/os-credentials-controller:1.10.12
	release-controller	mirantis.azurecr.io/core/release-controller:1.10.12

IAM artifacts

Artifact	Component	Path
Binaries	hash-generate-linux	<a href="http://binary.mirantis.com/iam/bin/hash-generate-0.0.1-236-9cea809-linux">http://binary.mirantis.com/iam/bin/hash-generate-0.0.1-236-9cea809-linux</a>
	hash-generate-darwin	<a href="http://binary.mirantis.com/iam/bin/hash-generate-0.0.1-236-9cea809-darwin">http://binary.mirantis.com/iam/bin/hash-generate-0.0.1-236-9cea809-darwin</a>
	iamctl-linux	<a href="http://binary.mirantis.com/iam/bin/iamctl-0.3.18-linux">http://binary.mirantis.com/iam/bin/iamctl-0.3.18-linux</a>
	iamctl-darwin	<a href="http://binary.mirantis.com/iam/bin/iamctl-0.3.18-darwin">http://binary.mirantis.com/iam/bin/iamctl-0.3.18-darwin</a>
	iamctl-windows	<a href="http://binary.mirantis.com/iam/bin/iamctl-0.3.18-windows">http://binary.mirantis.com/iam/bin/iamctl-0.3.18-windows</a>
Helm charts	iam	<a href="http://binary.mirantis.com/iam/helm/iam-1.1.16.tgz">http://binary.mirantis.com/iam/helm/iam-1.1.16.tgz</a>
	iam-proxy	<a href="http://binary.mirantis.com/iam/helm/iam-proxy-0.2.2.tgz">http://binary.mirantis.com/iam/helm/iam-proxy-0.2.2.tgz</a>
	keycloak-proxy	<a href="http://binary.mirantis.com/core/helm/keycloak_proxy-1.10.12.tgz">http://binary.mirantis.com/core/helm/keycloak_proxy-1.10.12.tgz</a>
Docker images	api	mirantis.azurecr.io/iam/api:0.3.18
	auxiliary	mirantis.azurecr.io/iam/auxiliary:0.3.18
	kubernetes-entrypoint	mirantis.azurecr.io/iam/external/kubernetes-entrypoint:v0.3.1
	mariadb	mirantis.azurecr.io/iam/external/mariadb:10.2.18
	keycloak	mirantis.azurecr.io/iam/keycloak:0.3.18
	keycloak-gatekeeper	mirantis.azurecr.io/iam/keycloak-gatekeeper:6.0.1

Seealso

- [Cluster releases \(managed\)](#)
- [release-history](#)

## Cluster releases (managed)

This section outlines the release notes for the Docker Enterprise (DE) Container Cloud Cluster releases that are supported by specific DE Container Cloud releases. For the release schedule and details about the DE Container Cloud releases, see: Docker Enterprise Container Cloud releases.

### 5.7.0

This section outlines release notes for the Cluster release 5.7.0 that is introduced in the Docker Enterprise (DE) Container Cloud release 2.0.0 and supports UCP 3.3.3, Docker Engine - Enterprise 19.03.12, and Kubernetes 1.18.

For the list of known issues, refer to the DE Container Cloud release 2.0.0 Known issues.

### Components versions

The following table lists the components versions of the Cluster release 5.7.0.

Components versions of the Cluster release 5.7.0

Component	Application/Service	Version
Distributed storage	Ceph	14.2.9 (Nautilus)
	Rook	1.3.8
Docker Enterprise	Docker Engine - Enterprise	19.03.12 <sup>1</sup>
	UCP	3.3.3 <sup>2</sup>
LCM	ansible-docker	0.3.5-136-g38653c7
	descheduler	0.8.0
	Helm	2.16.7-38
	helm-controller	0.2.0-149-g412c5a05
	lcm-ansible	0.2.0-110-g63cf88b
	lcm-agent	0.2.0-149-g412c5a05
	metallb-controller	0.9.3-1
StackLight	metrics-server	0.3.6-1
	Alerta	7.4.4-20200615123606
	Alertmanager	0.21.0
	Elasticsearch	7.6.1
	Elasticsearch curator	5.7.6
	Elasticsearch exporter	1.0.2
	Fluentd	1.10.2-20200609085335

	Grafana	6.6.2
	IAM Proxy	6.0.1
	Kibana	7.6.1
	MCC Metric Collector	0.1-20200806113043
	Metricbeat	7.6.1
	Netchecker	1.4.1
	Patroni	12-1.6p3
	Prometheus	2.19.2
	Prometheus Blackbox Exporter	0.14.0
	Prometheus ES Exporter	0.5.1-20200313132957
	Prometheus libvirt Exporter	0.1-20200610164751
	Prometheus Memcached Exporter	0.5.0
	Prometheus MySQL Exporter	0.11.0
	Prometheus Node Exporter	1.0.1
	Prometheus NGINX Exporter	0.6.0
	Prometheus Patroni Exporter	0.1-20200428121305
	Prometheus Postgres Exporter	0.8.0-20200715102834
	Prometheus RabbitMQ Exporter	0.29.0
	Prometheus Relay	0.3-20200519054052
	Pushgateway	1.2.0
	telegraf-ds	1.9.1-20200806073506
	telegraf-s	1.9.1-20200806073506
	Telemeter	4.4.0-20200424

- 1 For the Docker Engine - Enterprise release highlights, see [Docker Enterprise documentation: Docker Engine - Enterprise release notes](#).
- 2 For the UCP 3.3.3 release highlights and components versions, see [Docker Enterprise documentation: Universal Control Plane release notes](#).

## Artifacts

This section lists the components artifacts of the Cluster release 5.7.0.

- Ceph artifacts



- LCM artifacts
- StackLight artifacts

Ceph artifacts

Artifact	Component	Path
Helm chart	ceph-controller	mirantis.azurecr.io/ceph/helm/ceph-controller-1.0.0-mcp-16.tgz
Docker images	ceph	mirantis.azurecr.io/ceph/ceph:v14.2.9
	ceph-controller	mirantis.azurecr.io/ceph/mcp/ceph-controller:v1.0.0-20200805103414
	cephcsi	mirantis.azurecr.io/ceph/cephcsi/cephcsi:v2.1.2
	csi-node-driver-registrar	mirantis.azurecr.io/ceph/k8scsi/csi-node-driver-registrar:v1.2.0
	csi-provisioner	mirantis.azurecr.io/ceph/k8scsi/csi-provisioner:v1.4.0
	csi-snapshotter	mirantis.azurecr.io/ceph/k8scsi/csi-snapshotter:v1.2.2
	csi-attacher	mirantis.azurecr.io/ceph/k8scsi/csi-attacher:v2.1.0
	rook	mirantis.azurecr.io/ceph/rook/ceph:v1.3.8

LCM artifacts

Artifact	Component	Path
Binaries	ansible-docker	<a href="https://binary.mirantis.com/lcm/bin/ansible-docker/v0.3.5-136-g38653c7/ansible-docker.tar.gz">https://binary.mirantis.com/lcm/bin/ansible-docker/v0.3.5-136-g38653c7/ansible-docker.tar.gz</a>
	lcm-ansible	<a href="https://binary.mirantis.com/lcm/bin/lcm-ansible/v0.2.0-110-g63cf88b/lcm-ansible.tar.gz">https://binary.mirantis.com/lcm/bin/lcm-ansible/v0.2.0-110-g63cf88b/lcm-ansible.tar.gz</a>
	lcm-agent	<a href="https://binary.mirantis.com/lcm/bin/lcm-agent/v0.2.0-149-g412c5a05/lcm-agent">https://binary.mirantis.com/lcm/bin/lcm-agent/v0.2.0-149-g412c5a05/lcm-agent</a>
Docker images	descheduler	mirantis.azurecr.io/lcm/descheduler/v0.8.0
	helm	mirantis.azurecr.io/lcm/helm/tiller:v2.16.9-39
	helm-controller	mirantis.azurecr.io/lcm/lcm-controller:v0.2.0-149-g412c5a05

	metallb-controller	mirantis.azurecr.io/lcm/metallb/controller:v0.9.3-1
	metallb-speaker	mirantis.azurecr.io/lcm/metallb/speaker:v0.9.3-1
	metrics-server	mirantis.azurecr.io/lcm/metrics-server-amd64/v0.3.6-1

StackLight artifacts

Artifact	Component	Path
Helm charts	alerta	<a href="https://binary.mirantis.com/stacklight/helm/alerta-0.1.0-mcp-12.tgz">https://binary.mirantis.com/stacklight/helm/alerta-0.1.0-mcp-12.tgz</a>
	elasticsearch	<a href="https://binary.mirantis.com/stacklight/helm/elasticsearch-7.1.1-mcp-20.tgz">https://binary.mirantis.com/stacklight/helm/elasticsearch-7.1.1-mcp-20.tgz</a>
	elasticsearch-curator	<a href="https://binary.mirantis.com/stacklight/helm/elasticsearch-curator-1.5.0-mcp-2.tgz">https://binary.mirantis.com/stacklight/helm/elasticsearch-curator-1.5.0-mcp-2.tgz</a>
	elasticsearch-exporter	<a href="https://binary.mirantis.com/stacklight/helm/elasticsearch-exporter-1.2.0-mcp-2.tgz">https://binary.mirantis.com/stacklight/helm/elasticsearch-exporter-1.2.0-mcp-2.tgz</a>
	fluentd	<a href="https://binary.mirantis.com/stacklight/helm/fluentd-2.0.3-mcp-15.tgz">https://binary.mirantis.com/stacklight/helm/fluentd-2.0.3-mcp-15.tgz</a>
	fluentd-elasticsearch	<a href="https://binary.mirantis.com/stacklight/helm/fluentd-elasticsearch-3.0.0-mcp-24.tgz">https://binary.mirantis.com/stacklight/helm/fluentd-elasticsearch-3.0.0-mcp-24.tgz</a>
	grafana	<a href="https://binary.mirantis.com/stacklight/helm/grafana-3.3.10-mcp-59.tgz">https://binary.mirantis.com/stacklight/helm/grafana-3.3.10-mcp-59.tgz</a>
	kibana	<a href="https://binary.mirantis.com/stacklight/helm/kibana-3.2.1-mcp-19.tgz">https://binary.mirantis.com/stacklight/helm/kibana-3.2.1-mcp-19.tgz</a>
	mcc-metric-collector	<a href="https://binary.mirantis.com/stacklight/helm/mcc-metric-collector-0.1.0-mcp-22.tgz">https://binary.mirantis.com/stacklight/helm/mcc-metric-collector-0.1.0-mcp-22.tgz</a>
	metricbeat	<a href="https://binary.mirantis.com/stacklight/helm/metricbeat-1.7.1-mcp-8.tgz">https://binary.mirantis.com/stacklight/helm/metricbeat-1.7.1-mcp-8.tgz</a>
	netchecker	<a href="https://binary.mirantis.com/core/helm/netchecker-1.4.1.tgz">https://binary.mirantis.com/core/helm/netchecker-1.4.1.tgz</a>
	patroni	<a href="https://binary.mirantis.com/stacklight/helm/patroni-0.15.1-mcp-17.tgz">https://binary.mirantis.com/stacklight/helm/patroni-0.15.1-mcp-17.tgz</a>
	prometheus	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-8.11.4-mcp-73.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-8.11.4-mcp-73.tgz</a>
	prometheus-blackbox-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-blackbox-exporter-0.3.0-mcp-3.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-blackbox-exporter-0.3.0-mcp-3.tgz</a>

	prometheus-es-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-es-exporter-1.0.0-mcp-3.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-es-exporter-1.0.0-mcp-3.tgz</a>
	prometheus-libvirt-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-libvirt-exporter-0.1.0-mcp-2.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-libvirt-exporter-0.1.0-mcp-2.tgz</a>
	prometheus-memcached-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-memcached-exporter-0.1.0-mcp-1.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-memcached-exporter-0.1.0-mcp-1.tgz</a>
	prometheus-mysql-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-mysql-exporter-0.3.2-mcp-1.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-mysql-exporter-0.3.2-mcp-1.tgz</a>
	prometheus-nginx-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-nginx-exporter-0.1.0-mcp-2.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-nginx-exporter-0.1.0-mcp-2.tgz</a>
	prometheus-rabbitmq-exporter	<a href="https://binary.mirantis.com/stacklight/helm/prometheus-rabbitmq-exporter-0.4.1-mcp-1.tgz">https://binary.mirantis.com/stacklight/helm/prometheus-rabbitmq-exporter-0.4.1-mcp-1.tgz</a>
	stacklight	<a href="https://binary.mirantis.com/stacklight/helm/stacklight-0.1.2-mcp-285.tgz">https://binary.mirantis.com/stacklight/helm/stacklight-0.1.2-mcp-285.tgz</a>
	telegraf-ds	<a href="https://binary.mirantis.com/stacklight/helm/telegraf-ds-1.1.5-mcp-14.tgz">https://binary.mirantis.com/stacklight/helm/telegraf-ds-1.1.5-mcp-14.tgz</a>
	telegraf-s	<a href="https://binary.mirantis.com/stacklight/helm/telegraf-s-1.1.5-mcp-14.tgz">https://binary.mirantis.com/stacklight/helm/telegraf-s-1.1.5-mcp-14.tgz</a>
	telemeter-server	<a href="https://binary.mirantis.com/stacklight/helm/telemeter-server-0.1.0-mcp-11.tgz">https://binary.mirantis.com/stacklight/helm/telemeter-server-0.1.0-mcp-11.tgz</a>
	telemeter-client	<a href="https://binary.mirantis.com/stacklight/helm/telemeter-client-0.1.0-mcp-11.tgz">https://binary.mirantis.com/stacklight/helm/telemeter-client-0.1.0-mcp-11.tgz</a>
Docker images	alerta	mirantis.azurecr.io/stacklight/alerta-web:7.4.4-20200615123606
	alertmanager	mirantis.azurecr.io/stacklight/alertmanager:v0.21.0
	alpine-python3-requests	mirantis.azurecr.io/stacklight/alpine-python3-requests:latest-20200320
	busybox	mirantis.azurecr.io/stacklight/busybox:1.30
	configmap-reload	mirantis.azurecr.io/stacklight/configmap-reload:v0.3.0
	curl	mirantis.azurecr.io/stacklight/curl:7.69.0
	elasticsearch	mirantis.azurecr.io/stacklight/elasticsearch:7.6.1
	elasticsearch-curator	mirantis.azurecr.io/stacklight/curator:5.7.6
	elasticsearch-exporter	mirantis.azurecr.io/stacklight/elasticsearch_exporter:1.0.2
	fluentd	mirantis.azurecr.io/stacklight/fluentd:1.10.2-20200609085335

	gce-proxy	mirantis.azurecr.io/stacklight/gce-proxy:1.11
	grafana	mirantis.azurecr.io/stacklight/grafana:6.6.2
	k8s-netchecker-agent	mirantis.azurecr.io/lcm/kubernetes/k8s-netchecker-agent/2019.1/
	k8s-netchecker-server	mirantis.azurecr.io/lcm/kubernetes/k8s-netchecker-server/2019.1/
	k8s-sidecar	mirantis.azurecr.io/stacklight/k8s-sidecar:0.1.178
	kibana	mirantis.azurecr.io/stacklight/kibana:7.6.1
	kube-state-metrics	mirantis.azurecr.io/stacklight/kube-state-metrics:v1.9.2
	mcc-metric-collector	mirantis.azurecr.io/stacklight/mcc-metric-collector:v0.1-20200806113043
	metricbeat	mirantis.azurecr.io/stacklight/metricbeat:7.6.1
	node-exporter	mirantis.azurecr.io/stacklight/node-exporter:v1.0.1
	origin-telemeter	mirantis.azurecr.io/stacklight/origin-telemeter:4.4.0-20200424
	prometheus	mirantis.azurecr.io/stacklight/prometheus:v2.19.2
	prometheus-blackbox-exporter	mirantis.azurecr.io/stacklight/blackbox-exporter:v0.14.0
	prometheus-es-exporter	mirantis.azurecr.io/stacklight/prometheus-es-exporter:v0.5.1-20200313132957
	prometheus-libvirt-exporter	mirantis.azurecr.io/stacklight/libvirt-exporter:v0.1-20200610164751
	prometheus-memcached-exporter	mirantis.azurecr.io/stacklight/memcached-exporter:v0.5.0
	prometheus-mysql-exporter	mirantis.azurecr.io/stacklight/mysql-exporter:v0.11.0
	prometheus-nginx-exporter	mirantis.azurecr.io/stacklight/nginx-prometheus-exporter:0.6.0
	prometheus-patroni-exporter	mirantis.azurecr.io/stacklight/prometheus-patroni-exporter:v0.1-20200428121305
	prometheus-postgres-exporter	mirantis.azurecr.io/stacklight/prometheus-postgres-exporter:v0.8.0-20200715102834
	prometheus-rabbitmq-exporter	mirantis.azurecr.io/stacklight/rabbitmq-exporter:v0.29.0

	prometheus-relay	mirantis.azurecr.io/stacklight/prometheus-relay:v0.3-20200519054052
	pushgateway	mirantis.azurecr.io/stacklight/pushgateway:v1.2.0
	spilo	mirantis.azurecr.io/stacklight/spilo:12-1.6p3
	telegraf	mirantis.azurecr.io/stacklight/telegraf:v1.9.1-20200806073506
	telemeter-token-auth	mirantis.azurecr.io/stacklight/telemeter-token-auth:v0.1-20200406175600

Seealso

DE Container Cloud release 2.0.0