

# Chaos Engineering Report

25 February 2021

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## Summary

This report aggregates 1 experiments spanning over the following subjects:

*kubernetes*

## Experiment

### What is the impact of deleting a pod without a grace period?

If the pod is terminated, we should spin up a new pod.

#### Summary

---

<b>Status</b>	completed
<b>Tagged</b>	kubernetes
<b>Executed From</b>	chaos-toolkit-test-79cdb9fc78-z9dht
<b>Platform</b>	Linux-4.18.0-193.29.1.el8_2.x86_64-x86_64-with-redhat-8.3-Ootpa
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Completed</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	1 second

---

#### Definition

The experiment was made of 5 actions, to vary conditions in your system, and 10 probes, to collect objective data from your system during the experiment.

#### Steady State Hypothesis

The steady state hypothesis this experiment tried was “**Verifying services are healthy and pod accepts api request**”.

#### Before Run

The steady state was verified

---

Probe	Tolerance	Verified
count-pods	14	True

---

#### After Run

The steady state was verified

---

Probe	Tolerance	Verified
count-pods	14	True

---

#### Method

The experiment method defines the sequence of activities that help gathering

evidence towards, or against, the hypothesis.

The following activities were conducted as part of the experimental's method:

Type	Name
probe	count-pods
probe	pod-is-not-available
probe	pods-in-conditions
probe	pods-not-in-phase
probe	read-pod-logs
action	terminate-pods
probe	statefulset-fully-available
probe	service-is-initialized
action	delete-deployment
probe	deployment-available-and-healthy
action	scale-deployment
action	remove-service-endpoint
action	scale-microservice
probe	microservice-available-and-healthy
probe	read-microservices-logs

## Result

The experiment was conducted on Thu, 25 Feb 2021 14:15:41 GMT and lasted roughly 1 second.

### Probe - count-pods

<b>Status</b>	succeeded
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.probes
<b>Function</b>	count_pods
<b>Arguments</b>	{'label_selector': 'app=spring-config-client', 'ns': 'cmst-test'}

### Probe - pod-is-not-available

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.probes
<b>Function</b>	pod_is_not_available
<b>Arguments</b>	{'name': 'app=spring-config-client', 'ns': 'cmst-test'}

The *pod-is-not-available* probe raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/pod/probes.py", line 238, in pod_is_not_available
    ret = v1.list_namespaced_pod(ns, label_selector=label_selector)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/core_v1_api.py", line 15302, in list_namespaced_pod
    return self.list_namespaced_pod_with_http_info(namespace,
**kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/core_v1_api.py", line 15427, in list_namespaced_pod_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 377, in request
    headers=headers)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 243, in GET
    query_params=query_params)
```

```

File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (400)
Reason: Bad Request
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'bc24545d-339b-4d4e-ac64-e6cae2e94381', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Kubernetes-Pf-
Flowschema-Uid': '12514990-4cc8-4d9b-9d51-f0ba95b70a4d',
'X-Kubernetes-Pf-Prioritylevel-Uid':
'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date': 'Thu, 25 Feb 2021
14:15:41 GMT', 'Content-Length': '175'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"unable
to parse requirement: found '=', expected: ',' or
')'", "reason":"BadRequest", "code":400}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (400)
Reason: Bad Request
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'bc24545d-339b-4d4e-ac64-e6cae2e94381', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Kubernetes-Pf-
Flowschema-Uid': '12514990-4cc8-4d9b-9d51-f0ba95b70a4d',
'X-Kubernetes-Pf-Prioritylevel-Uid':
'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date': 'Thu, 25 Feb 2021
14:15:41 GMT', 'Content-Length': '175'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"unable
to parse requirement: found '=', expected: ',' or
')'", "reason":"BadRequest", "code":400}

```

## Probe - pods-in-conditions

Status	failed
Background	False
Started	Thu, 25 Feb 2021 14:15:41 GMT
Ended	Thu, 25 Feb 2021 14:15:41 GMT
Duration	0 seconds

The probe provider that was executed:

---

<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.probes
<b>Function</b>	Pods_in_conditions
<b>Arguments</b>	{'label_selector': 'app=spring-config-client', 'conditions': ['Running', 'Pending'], 'ns': 'cmst-test'}

---

The *Pods-in-conditions* probe raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/pod/probes.py", line 152, in Pods_in_conditions
    condition=condition
chaoslib.exceptions.ActivityFailed: pod cpqq-testinpipeline-spring-config-client-6fd9fb56fc-t6m4k does not match the following given condition: Running
```

During handling of the above exception, another exception occurred:

```
chaoslib.exceptions.ActivityFailed:
chaoslib.exceptions.ActivityFailed: pod cpqq-testinpipeline-spring-config-client-6fd9fb56fc-t6m4k does not match the following given condition: Running
```

#### Probe - pods-not-in-phase

---

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Duration</b>	0 seconds

---

The probe provider that was executed:

---

<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.probes
<b>Function</b>	Pods_not_in_phase
<b>Arguments</b>	{'label_selector': 'app=spring-config-client', 'ns': 'cmst-test'}

---

The *Pods-not-in-phase* probe raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/pod/probes.py", line 186, in pods_not_in_phase
    name=label_selector, s=d.status.phase))
chaoslib.exceptions.ActivityFailed: pod 'app=spring-config-client'
should not be in phase 'Running'
```

During handling of the above exception, another exception occurred:

```
chaoslib.exceptions.ActivityFailed:
chaoslib.exceptions.ActivityFailed: pod 'app=spring-config-client'
should not be in phase 'Running'
```

#### Probe - read-pod-logs

<b>Status</b>	succeeded
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.probes
<b>Function</b>	read_pod_logs
<b>Arguments</b>	{'ns': 'cmst-test'}

#### Action - terminate-pods

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Duration</b>	0 seconds

The action provider that was executed:



<b>Type</b>	python
<b>Module</b>	chaosk8s.pod.actions
<b>Function</b>	terminate_pods
<b>Arguments</b>	{'ns': 'cmst-test'}

The *terminate-pods* action raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/pod/actions.py", line 68, in terminate_pods
    v1.delete_namespaced_pod(p.metadata.name, ns, body=body)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/core_v1_api.py", line 12141, in delete_namespaced_pod
    return self.delete_namespaced_pod_with_http_info(name, namespace,
**kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/core_v1_api.py", line 12262, in delete_namespaced_pod_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 420, in request
    body=body)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 270, in DELETE
    body=body)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'0915689a-8171-4761-8338-9c79476a6deb', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
```

```

Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:41 GMT', 'Content-Length': '379'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"pods
\"chaos-toolkit-getlogs-779f4ffccd-ptgfk\" is forbidden: User
\"system:serviceaccount:cmst-test:default\" cannot delete resource
\"pods\" in API group \"\" in the namespace \"cmst-
test\"","reason":"Forbidden","details":{"name":"chaos-toolkit-
getlogs-779f4ffccd-ptgfk","kind":"pods"},"code":403}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'0915689a-8171-4761-8338-9c79476a6deb', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:41 GMT', 'Content-Length': '379'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"pods
\"chaos-toolkit-getlogs-779f4ffccd-ptgfk\" is forbidden: User
\"system:serviceaccount:cmst-test:default\" cannot delete resource
\"pods\" in API group \"\" in the namespace \"cmst-
test\"","reason":"Forbidden","details":{"name":"chaos-toolkit-
getlogs-779f4ffccd-ptgfk","kind":"pods"},"code":403}

```

#### Probe - statefulset-fully-available

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.statefulset.probes

---

<b>Function</b>	statefulset_fully_available
<b>Arguments</b>	{'name': 'app=spring-config-client', 'ns': 'cmst-test'}

---

The *statefulset-fully-available* probe raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/statefulset/probes.py", line 117, in
statefulset_fully_available
    secrets,
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/statefulset/probes.py", line 51, in
_statefulset_readiness_has_state
    for event in watch_events():
  File "/usr/local/lib/python3.6/site-packages/kubernetes/watch/watch.py", line 157, in stream
    resp = func(*args, **kwargs)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 3587, in
list_namespaced_stateful_set
    return self.list_namespaced_stateful_set_with_http_info(namespace,
**kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 3712, in
list_namespaced_stateful_set_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 377, in request
    headers=headers)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 243, in GET
    query_params=query_params)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
```

```

Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'ce9a7b35-bf5d-49b0-ada0-debd448e500c', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'Date': 'Thu, 25 Feb 2021 14:15:41 GMT',
'Content-Length': '335'})
HTTP response body:
b'{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "statefulset
is forbidden: User \"system:serviceaccount:cmst-test:default\"
cannot watch resource \"statefulsets\" in API group \"apps\" in
the namespace \"cmst-
test\"\", \"reason\": \"Forbidden\", \"details\": {\"group\": \"apps\", \"kind\": \"statefulsets\"}, \"code\": 403}\'

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'ce9a7b35-bf5d-49b0-ada0-debd448e500c', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'Date': 'Thu, 25 Feb 2021 14:15:41 GMT',
'Content-Length': '335'})
HTTP response body:
b'{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "statefulset
is forbidden: User \"system:serviceaccount:cmst-test:default\"
cannot watch resource \"statefulsets\" in API group \"apps\" in
the namespace \"cmst-
test\"\", \"reason\": \"Forbidden\", \"details\": {\"group\": \"apps\", \"kind\": \"statefulsets\"}, \"code\": 403}\'

```

#### Probe - service-is-initialized

<b>Status</b>	succeeded
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:41 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	1 second

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.service.probes
<b>Function</b>	service_is_initialized

---

<b>Arguments</b>	{'ns': 'cmst-test'}
------------------	---------------------

---

#### Action - delete-deployment

---

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	0 seconds

---

The action provider that was executed:

---

<b>Type</b>	python
<b>Module</b>	chaosk8s.deployment.actions
<b>Function</b>	delete_deployment
<b>Arguments</b>	{'name': 'app=spring-config-client', 'ns': 'cmst-test'}

---

The *delete-deployment* action raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/deployment/actions.py", line 54, in delete_deployment
    ret = v1.list_namespaced_deployment(ns,
label_selector=label_selector)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 3269, in list_namespaced_deployment
    return self.list_namespaced_deployment_with_http_info(namespace,
**kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 3394, in list_namespaced_deployment_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 184, in __call_api
```

```

        _request_timeout=_request_timeout)
    File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 377, in request
        headers=headers)
    File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 243, in GET
        query_params=query_params)
    File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
        raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'a97acce3-a352-4287-90a8-7bcc86a4458d', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '331'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
is forbidden: User \"system:serviceaccount:cmst-test:default\" cannot
list resource \"deployments\" in API group \"apps\" in the namespace
\"cmst-
test\\\", \"reason\":\"Forbidden\", \"details\":{\"group\":\"apps\", \"kind\":\"deployments\"}, \"code\":403}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'a97acce3-a352-4287-90a8-7bcc86a4458d', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '331'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
is forbidden: User \"system:serviceaccount:cmst-test:default\" cannot
list resource \"deployments\" in API group \"apps\" in the namespace
\"cmst-
test\\\", \"reason\":\"Forbidden\", \"details\":{\"group\":\"apps\", \"kind\":\"deployments\"}, \"code\":403}

```

## Probe - deployment-available-and-healthy

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.deployment.probes
<b>Function</b>	deployment_available_and_healthy
<b>Arguments</b>	{'name': 'app=spring-config-client'}

The *deployment-available-and-healthy* probe raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/deployment/probes.py", line 40, in deployment_available_and_healthy
    ret = v1.list_namespaced_deployment(ns,
field_selector=field_selector)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 3269, in list_namespaced_deployment
    return self.list_namespaced_deployment_with_http_info(namespace,
**kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 3394, in list_namespaced_deployment_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 377, in request
```

```

        headers=headers)
    File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 243, in GET
        query_params=query_params)
    File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
        raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'4dba3c2e-de38-4760-9d77-cdf2851939bb', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '329'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
is forbidden: User \"system:serviceaccount:cmst-test:default\" cannot
list resource \"deployments\" in API group \"apps\" in the namespace
\"default\"","reason":"Forbidden","details":{"group":"apps","kind":"deployments"},"code":403}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'4dba3c2e-de38-4760-9d77-cdf2851939bb', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '329'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
is forbidden: User \"system:serviceaccount:cmst-test:default\" cannot
list resource \"deployments\" in API group \"apps\" in the namespace
\"default\"","reason":"Forbidden","details":{"group":"apps","kind":"deployments"},"code":403}

```

#### Action - scale-deployment

---

Status	failed
Background	False



<b>Started</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	0 seconds

The action provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.deployment.actions
<b>Function</b>	scale_deployment
<b>Arguments</b>	{'replicas': 0, 'name': 'app=spring-config-client', 'ns': 'cmst-test'}

The *scale-deployment* action raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/deployment/actions.py", line 76, in scale_deployment
    v1.patch_namespaced_deployment(name=name, namespace=ns, body=body)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 4511, in patch_namespaced_deployment
    return self.patch_namespaced_deployment_with_http_info(name,
namespace, body, **kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/apps_v1_api.py", line 4636, in patch_namespaced_deployment_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 413, in request
    body=body)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 300, in PATCH
    body=body)
  File "/usr/local/lib/python3.6/site-packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
```

Reason: Forbidden

```
HTTP response headers: HTTPHeaderDict({'Audit-Id':  
'6e8f2bc1-0265-4e98-aec2-c28a7f2ff3e0', 'Cache-Control': 'no-cache,  
private', 'Content-Type': 'application/json', 'X-Content-Type-  
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':  
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-  
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':  
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '395'})
```

HTTP response body:

```
{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "deployments.apps/v1/  
\"app=spring-config-client\" is forbidden: User  
\"system:serviceaccount:cmst-test:default\" cannot patch resource  
\"deployments\" in API group \"apps\" in the namespace \"cmst-  
test\", \"reason\": \"Forbidden\", \"details\": {\"name\": \"app=spring-config-  
client\", \"group\": \"apps\", \"kind\": \"deployments\"}, \"code\": 403}
```

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/site-  
packages/chaoslib/provider/python.py", line 55, in run_python_activity  
    return func(**arguments)
```

```
File "/usr/local/lib/python3.6/site-  
packages/chaosk8s/deployment/actions.py", line 80, in scale_deployment  
    s=name, r=replicas, e=str(e))
```

```
chaoslib.exceptions.ActivityFailed: failed to scale 'app=spring-  
config-client' to 0 replicas: (403)
```

Reason: Forbidden

```
HTTP response headers: HTTPHeaderDict({'Audit-Id':  
'6e8f2bc1-0265-4e98-aec2-c28a7f2ff3e0', 'Cache-Control': 'no-cache,  
private', 'Content-Type': 'application/json', 'X-Content-Type-  
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':  
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-  
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':  
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '395'})
```

HTTP response body:

```
{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "deployments.apps/v1/  
\"app=spring-config-client\" is forbidden: User  
\"system:serviceaccount:cmst-test:default\" cannot patch resource  
\"deployments\" in API group \"apps\" in the namespace \"cmst-  
test\", \"reason\": \"Forbidden\", \"details\": {\"name\": \"app=spring-config-  
client\", \"group\": \"apps\", \"kind\": \"deployments\"}, \"code\": 403}
```

During handling of the above exception, another exception occurred:

```
chaoslib.exceptions.ActivityFailed:
chaoslib.exceptions.ActivityFailed: failed to scale 'app=spring-
config-client' to 0 replicas: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'6e8f2bc1-0265-4e98-aec2-c28a7f2ff3e0', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '395'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.apps
/app=spring-config-client\" is forbidden: User
\"system:serviceaccount:cmst-test:default\" cannot patch resource
\"deployments\" in API group \"apps\" in the namespace \"cmst-
test\"","reason":"Forbidden","details":{"name":"app=spring-config-
client","group":"apps","kind":"deployments"},"code":403}
```

#### Action - remove-service-endpoint

Status	failed
Background	False
Started	Thu, 25 Feb 2021 14:15:42 GMT
Ended	Thu, 25 Feb 2021 14:15:42 GMT
Duration	0 seconds

The action provider that was executed:

Type	python
Module	chaosk8s.actions
Function	remove_service_endpoint
Arguments	{'name': 'app=spring-config-client', 'ns': 'cmst-test'}

The *remove-service-endpoint* action raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-
packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/actions.py",
```

```

line 30, in remove_service_endpoint
    delete_service(name, ns, secrets)
  File "/usr/local/lib/python3.6/site-
packages/chaosk8s/service/actions.py", line 43, in delete_service
    v1.delete_namespaced_service(name, namespace=ns)
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api/core_v1_api.py", line 12906, in
delete_namespaced_service
    return self.delete_namespaced_service_with_http_info(name,
namespace, **kwargs) # noqa: E501
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api/core_v1_api.py", line 13027, in
delete_namespaced_service_with_http_info
    collection_formats=collection_formats)
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 420, in request
    body=body)
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 270, in DELETE
    body=body)
  File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'a7a3874f-ee99-4219-b316-0c1fed6812d8', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '363'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"services
\\\"app=spring-config-client\\\" is forbidden: User
\\\"system:serviceaccount:cmst-test:default\\\" cannot delete resource
\\\"services\\\" in API group \\\"\\\" in the namespace \\\"cmst-
test\\\"","reason":"Forbidden","details":{"name":"app=spring-config-
client","kind":"services"},"code":403}

```

During handling of the above exception, another exception occurred:

```
chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'a7a3874f-ee99-4219-b316-0c1fed6812d8', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '363'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"services
\\\"app=spring-config-client\\\" is forbidden: User
\\\"system:serviceaccount:cmst-test:default\\\" cannot delete resource
\\\"services\\\" in API group \\\"\\\" in the namespace \\\"cmst-
test\\\"","reason":"Forbidden","details":{"name":"app=spring-config-
client","kind":"services"},"code":403}
```

#### Action - scale-microservice

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	0 seconds

The action provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.actions
<b>Function</b>	scale_microservice
<b>Arguments</b>	{'replicas': 0, 'name': 'app=spring-config-client', 'ns': 'cmst-test'}

The *scale-microservice* action raised the following error while running:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.6/site-
packages/chaosk8s/deployment/actions.py", line 76, in scale_deployment
    v1.patch_namespaced_deployment(name=name, namespace=ns, body=body)
```

```

File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api/apps_v1_api.py", line 4511, in
patch_namespaced_deployment
    return self.patch_namespaced_deployment_with_http_info(name,
namespace, body, **kwargs) # noqa: E501
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api/apps_v1_api.py", line 4636, in
patch_namespaced_deployment_with_http_info
    collection_formats=collection_formats)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 413, in request
    body=body)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 300, in PATCH
    body=body)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'6ebd498a-e084-4e93-9505-a4fe074dc021', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '395'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.apps
\\\"app=spring-config-client\\\" is forbidden: User
\\\"system:serviceaccount:cmst-test:default\\\" cannot patch resource
\\\"deployments\\\" in API group \\\"apps\\\" in the namespace \\\"cmst-
test\\\"","reason":"Forbidden","details":{"name":"app=spring-config-
client","group":"apps","kind":"deployments"},"code":403}

```

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

```

File "/usr/local/lib/python3.6/site-
packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
File "/usr/local/lib/python3.6/site-packages/chaosk8s/actions.py",
line 39, in scale_microservice
    scale_deployment(name, replicas, ns, secrets)
File "/usr/local/lib/python3.6/site-
packages/chaosk8s/deployment/actions.py", line 80, in scale_deployment
    s=name, r=replicas, e=str(e)))
chaoslib.exceptions.ActivityFailed: failed to scale 'app=spring-
config-client' to 0 replicas: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'6ebd498a-e084-4e93-9505-a4fe074dc021', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '395'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
pp=spring-config-client\" is forbidden: User
\"system:serviceaccount:cmst-test:default\" cannot patch resource
\"deployments\" in API group \"apps\" in the namespace \"cmst-
test\"","reason":"Forbidden","details":{"name":"app=spring-config-
client","group":"apps","kind":"deployments"},"code":403}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
chaoslib.exceptions.ActivityFailed: failed to scale 'app=spring-
config-client' to 0 replicas: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'6ebd498a-e084-4e93-9505-a4fe074dc021', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '395'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
pp=spring-config-client\" is forbidden: User
\"system:serviceaccount:cmst-test:default\" cannot patch resource

```

```
\\"deployments\\" in API group \\"apps\\" in the namespace \\"cmst-  
test\\"","reason":"Forbidden","details":{"name":"app=spring-config-  
client","group":"apps","kind":"deployments"},"code":403}
```

#### Probe - microservice-available-and-healthy

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.probes
<b>Function</b>	microservice_available_and_healthy
<b>Arguments</b>	{'name': 'spring-config-client'}

The *microservice-available-and-healthy* probe raised the following error while running:

```
Traceback (most recent call last):  
  File "/usr/local/lib/python3.6/site-  
packages/chaoslib/provider/python.py", line 55, in run_python_activity  
    return func(**arguments)  
  File "/usr/local/lib/python3.6/site-packages/chaosk8s/probes.py",  
line 39, in microservice_available_and_healthy  
    deployment_available_and_healthy(name, ns, label_selector,  
secrets)  
  File "/usr/local/lib/python3.6/site-  
packages/chaosk8s/deployment/probes.py", line 40, in  
deployment_available_and_healthy  
    ret = v1.list_namespaced_deployment(ns,  
field_selector=field_selector)  
  File "/usr/local/lib/python3.6/site-  
packages/kubernetes/client/api/apps_v1_api.py", line 3269, in  
list_namespaced_deployment  
    return self.list_namespaced_deployment_with_http_info(namespace,  
**kwargs) # noqa: E501  
  File "/usr/local/lib/python3.6/site-  
packages/kubernetes/client/api/apps_v1_api.py", line 3394, in  
list_namespaced_deployment_with_http_info  
    collection_formats=collection_formats)
```



```

File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 377, in request
    headers=headers)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 243, in GET
    query_params=query_params)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'f3882156-1d9d-4089-89a3-3bc680fa4bde', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '384'})
HTTP response body:
{"kind":"Status","apiVersion":"v1","metadata":{},"status":"Failure","message":"deployments.a
\\"spring-config-client\\" is forbidden: User
\\"system:serviceaccount:cmst-test:default\\" cannot list resource
\\"deployments\\" in API group \\"apps\\" in the namespace
\\"default\\"","reason":"Forbidden","details":{"name":"spring-config-
client"},"group":"apps","kind":"deployments"},"code":403}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'f3882156-1d9d-4089-89a3-3bc680fa4bde', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '384'})

```

HTTP response body:

```
{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "deployments.apps\n\"spring-config-client\" is forbidden: User\n\"system:serviceaccount:cmst-test:default\" cannot list resource\n\"deployments\" in API group \"apps\" in the namespace\n\"default\"", "reason": "Forbidden", "details": {"name": "spring-config-client", "group": "apps", "kind": "deployments"}, "code": 403}
```

#### Probe - read-microservices-logs

<b>Status</b>	failed
<b>Background</b>	False
<b>Started</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Ended</b>	Thu, 25 Feb 2021 14:15:42 GMT
<b>Duration</b>	0 seconds

The probe provider that was executed:

<b>Type</b>	python
<b>Module</b>	chaosk8s.probes
<b>Function</b>	read_microservices_logs
<b>Arguments</b>	N/A

The *read-microservices-logs* probe raised the following error while running:

Traceback (most recent call last):

```
File "/usr/local/lib/python3.6/site-packages/chaoslib/provider/python.py", line 55, in run_python_activity
    return func(**arguments)
File "/usr/local/lib/python3.6/site-packages/chaosk8s/pod/probes.py", line 48, in read_pod_logs
    ret = v1.list_namespaced_pod(ns, label_selector=label_selector)
File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/core_v1_api.py", line 15302, in list_namespaced_pod
    return self.list_namespaced_pod_with_http_info(namespace,
**kwargs) # noqa: E501
File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api/core_v1_api.py", line 15427, in list_namespaced_pod_with_http_info
    collection_formats=collection_formats)
File "/usr/local/lib/python3.6/site-packages/kubernetes/client/api_client.py", line 353, in call_api
    _preload_content, _request_timeout, _host)
```

```

File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 184, in __call_api
    _request_timeout=_request_timeout)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/api_client.py", line 377, in request
    headers=headers)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 243, in GET
    query_params=query_params)
File "/usr/local/lib/python3.6/site-
packages/kubernetes/client/rest.py", line 233, in request
    raise ApiException(http_resp=r)
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'1d4512b1-2d5f-4f5e-8b6b-c8511bd20e18', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '284'})
HTTP response body:
{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "pods
is forbidden: User \"system:serviceaccount:cmst-test:default\" cannot
list resource \"pods\" in API group \"\" in the namespace
\"default\"", "reason": "Forbidden", "details": {"kind": "pods"}, "code": 403}

```

During handling of the above exception, another exception occurred:

```

chaoslib.exceptions.ActivityFailed:
kubernetes.client.exceptions.ApiException: (403)
Reason: Forbidden
HTTP response headers: HTTPHeaderDict({'Audit-Id':
'1d4512b1-2d5f-4f5e-8b6b-c8511bd20e18', 'Cache-Control': 'no-cache,
private', 'Content-Type': 'application/json', 'X-Content-Type-
Options': 'nosniff', 'X-Kubernetes-Pf-Flowschema-Uid':
'12514990-4cc8-4d9b-9d51-f0ba95b70a4d', 'X-Kubernetes-Pf-
Prioritylevel-Uid': 'd492cebf-0100-4286-9409-b05e9f326f7e', 'Date':
'Thu, 25 Feb 2021 14:15:42 GMT', 'Content-Length': '284'})
HTTP response body:
{"kind": "Status", "apiVersion": "v1", "metadata": {}, "status": "Failure", "message": "pods
is forbidden: User \"system:serviceaccount:cmst-test:default\" cannot
list resource \"pods\" in API group \"\" in the namespace
\"default\"", "reason": "Forbidden", "details": {"kind": "pods"}, "code": 403}

```

## Appendix

### Probe - count-pods

The *probe* returned the following result:

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### Probe - pod-is-not-available

The *probe* returned the following result:

None

### Probe - pods-in-conditions

The *probe* returned the following result:

None

### Probe - pods-not-in-phase

The *probe* returned the following result:

None

### Probe - read-pod-logs

The *probe* returned the following result:

{}

### Action - terminate-pods

The *action* returned the following result:

None

### Probe - statefulset-fully-available

The *probe* returned the following result:

None

### Probe - service-is-initialized

The *probe* returned the following result:

True

**Action - delete-deployment**

The *action* returned the following result:

None

**Probe - deployment-available-and-healthy**

The *probe* returned the following result:

None

**Action - scale-deployment**

The *action* returned the following result:

None

**Action - remove-service-endpoint**

The *action* returned the following result:

None

**Action - scale-microservice**

The *action* returned the following result:

None

**Probe - microservice-available-and-healthy**

The *probe* returned the following result:

None

**Probe - read-microservices-logs**

The *probe* returned the following result:

None