# Useful links

## Kubernetes

1. Kubernetes Deployment Tutorial For Beginners <https://devopscube.com/kubernetes-deployment-tutorial/>
2. How To Setup Grafana On Kubernetes <https://devopscube.com/setup-grafana-kubernetes/>
3. How to Setup Prometheus Monitoring On Kubernetes Cluster <https://devopscube.com/setup-prometheus-monitoring-on-kubernetes/>
4. How To Setup Kube State Metrics on Kubernetes <https://devopscube.com/setup-kube-state-metrics/>
5. Setting Up Alert Manager on Kubernetes – Beginners Guide <https://devopscube.com/alert-manager-kubernetes-guide/>
6. Kubernetes monitoring with Prometheus, the ultimate guide <https://sysdig.com/blog/kubernetes-monitoring-prometheus/>
7. Jenkins Integration for Grafana Cloud <https://grafana.com/docs/grafana-cloud/integrations/integrations/integration-jenkins/?pg=always-enabled-monitoring-with-loki-prometheus-and-grafana&plcmt=related-content-3>
8. Monitoring a Linux host using Prometheus and node\_exporter <https://grafana.com/docs/grafana-cloud/quickstart/noagent_linuxnode/>
9. Kubernetes <https://grafana.com/docs/grafana-cloud/kubernetes/>
10. https://kubernetes.io/docs/tasks/debug-application-cluster/\_print/
11. https://stackoverflow.com/questions/69544012/unable-to-attach-or-mount-volumes-timed-out-waiting-for-the-condition
12. https://stackoverflow.com/questions/52668938/pod-has-unbound-persistentvolumeclaims

## Jenkins installation in Kubernetes

1. How To Install Jenkins on Kubernetes <https://www.digitalocean.com/community/tutorials/how-to-install-jenkins-on-kubernetes>
2. How to Install Jenkins on Kubernetes Cluster <https://phoenixnap.com/kb/how-to-install-jenkins-kubernetes>
3. How To Install Jenkins Server on Kubernetes | OpenShift <https://computingforgeeks.com/how-to-install-jenkins-server-on-kubernetes-openshift/>
4. Install Jenkins on Kubernetes <https://linoxide.com/install-jenkins-on-kubernetes/>
5. Install on Kubernetes <https://jenkins-x.io/docs/resources/guides/managing-jx/old/install-on-cluster/>
6. Running Jenkins in Kubernetes Cluster with Persistent Volume <https://medium.com/@vishal.sharma./running-jenkins-in-kubernetes-cluster-with-persistent-volume-da6584edc126>
7. Running Jenkins Inside a Kubernetes Cluster <https://levelup.gitconnected.com/running-jenkins-inside-a-kubernetes-cluster-bd86822d487>
8. Install Jenkins on Kubernetes <https://www.jenkins.io/doc/book/installing/kubernetes/>
9. Kubernetes plugin for Jenkins <https://plugins.jenkins.io/kubernetes/>
10. Dynamic Jenkins Agent from Kubernetes <https://itnext.io/dynamic-jenkins-agent-from-kubernetes-4adb98901906>
11. How To: Kubernetes Pods as Jenkins Build Agents <https://medium.com/vivid-seats-engineering/how-to-kubernetes-pods-as-jenkins-build-agents-a726d3886861>
12. How to Set Up Jenkins on Kubernetes <https://appfleet.com/blog/how-to-set-up-jenkins-on-kubernetes/>
13. Local Jenkins Development Environment on Minikube on OSX <https://winder.ai/local-jenkins-development-environment-on-minikube-on-osx/>
14. appendix Installing Jenkins on Minikube <https://livebook.manning.com/book/microservices-in-action/appendix/1>
15. <https://github.com/morganjbruce/microservices-in-action>
16. <https://github.com/helm/charts/tree/master/stable/jenkins>
17. Deploy Jenkins with dynamic slaves on Minikube <https://itnext.io/deploy-jenkins-with-dynamic-slaves-in-minikube-8aef5404e9c1>
18. <https://github.com/lvthillo/minikube-helm-jenkins>
19. Dynamically scalable jenkins slave with Docker and Kubernetes <https://www.linkedin.com/pulse/dynamically-scalable-jenkins-slave-docker-kubernetes-kapil-mundra>
20. Deploying Jenkins on Kubernetes for Scalability and Fault Tolerance <https://faun.pub/the-ci-octopus-extremely-scalable-jenkins-master-slaves-on-kubernetes-2607704a9513>
21. <https://morioh.com/p/08db51e8ad5a>
22. Task 4 -Dynamic Jenkins Cluster And Deploying Application Using Kubernetes Minikube. <https://jainrishabh155.medium.com/task-4-dynamic-jenkins-cluster-and-deploying-application-using-kubernetes-minikube-41b4f6baa5d8>
23. Jenkins, MiniKube & Kubernetes Plugin - Dynamically spawning slaves <https://stackoverflow.com/questions/45921297/jenkins-minikube-kubernetes-plugin-dynamically-spawning-slaves>
24. How To Setup Jenkins Server on Kubernetes - Master Slave Setup <https://digitalavenue.dev/How-To-Setup-Jenkins-On-Kubernetes/>
25. How To Setup Jenkins On Kubernetes Cluster – Beginners Guide https://devopscube.com/setup-jenkins-on-kubernetes-cluster/
26. How to Install Jenkins on Kubernetes Cluster <https://phoenixnap.com/kb/how-to-install-jenkins-kubernetes> Working!!!!
27. How To Setup Jenkins On Kubernetes Cluster – Beginners Guide https://devopscube.com/setup-jenkins-on-kubernetes-cluster/
28. Deploying Jenkins on Kubernetes for Scalability and Fault Tolerance https://faun.pub/the-ci-octopus-extremely-scalable-jenkins-master-slaves-on-kubernetes-2607704a9513
29. How to Run Locally Built Docker Images in Kubernetes https://medium.com/swlh/how-to-run-locally-built-docker-images-in-kubernetes-b28fbc32cc1d
30. [How to use local docker images with Minikube?](https://stackoverflow.com/questions/42564058/how-to-use-local-docker-images-with-minikube) <https://stackoverflow.com/questions/42564058/how-to-use-local-docker-images-with-minikube>
31. Running Jenkins inside Kubernetes https://faun.pub/jenkins-inside-kubernetes-bdee0340e0ca
32. Set up Jenkins in a Kubernetes cluster https://medium.com/swlh/set-up-jenkins-in-a-kubernetes-cluster-96660c8d9ab
33. [https://github.com/jenkinsci/kubernetes-plugin#pod-template-inheritance](https://github.com/jenkinsci/kubernetes-plugin" \l "pod-template-inheritance)
34. Хранилища данных (Persistent Volumes) в Kubernetes <https://serveradmin.ru/hranilishha-dannyh-persistent-volumes-v-kubernetes/>
35. https://github.com/jenkinsci/kubernetes-plugin/blob/master/examples/declarative\_from\_yaml\_file/Jenkinsfile
36. https://github.com/idegtiarenko/habr-demo-ci-cd
37. How to Setup Jenkins Build Agents on Kubernetes Pods https://devopscube.com/jenkins-build-agents-kubernetes/

## Monitoring

1. Kubernetes monitoring with prometheus

<https://acloudguru.com/hands-on-labs/kubernetes-monitoring-with-prometheus?utm_campaign=11244863417&utm_source=google&utm_medium=cpc&utm_content=469352928666&utm_term=_&adgroupid=115625160932&gclid=EAIaIQobChMIzqGCicX39AIVZoODBx1DfwA_EAAYASAAEgKYkfD_BwE>

1. How to Setup Prometheus Monitoring On Kubernetes Cluster <https://devopscube.com/setup-prometheus-monitoring-on-kubernetes/>
2. Metrics <https://plugins.jenkins.io/metrics/>
3. Monitoring Jenkins <https://www.jenkins.io/doc/book/system-administration/monitoring/>
4. Jenkins Events, Logs, and Metrics <https://towardsdatascience.com/jenkins-events-logs-and-metrics-7c3e8b28962b>
5. Pipeline as code <https://livebook.manning.com/book/pipeline-as-code/chapter-5/v-4/266>
6. How To Gather Infrastructure Metrics with Metricbeat on Ubuntu 18.04 <https://www.stackovercloud.com/2019/03/15/how-to-gather-infrastructure-metrics-with-metricbeat-on-ubuntu-18-04/>
7. Monitoring Jenkins with Grafana and Prometheus <https://medium.com/@eng.mohamed.m.saeed/monitoring-jenkins-with-grafana-and-prometheus-a7e037cbb376>
8. <https://www.neotys.com/blog/continuous-load-testing-using-jenkins-pipelines-kubernetes/>
9. <https://www.neotys.com/insights/performance-testing>
10. Performance Test in Jenkins – Run Dynamic Pod Executors in Kubernetes Parallelly <https://engineering.linecorp.com/en/blog/performance-test-in-jenkins-run-dynamic-pod-executors-in-kubernetes-parallelly/>
11. Welcome to the k6 documentation <https://k6.io/docs/>
12. Jenkins Pipeline Unit testing framework <https://github.com/jenkinsci/JenkinsPipelineUnit>
13. Active Choices <https://plugins.jenkins.io/uno-choice/>
14. Jenkins : Dynamic Parameter Plug-in <https://wiki.jenkins.io/display/JENKINS/Dynamic+Parameter+Plug-in>
15. Jenkins:How to Achieve parallel dynamic stages in jenkins declarative pipeline <https://coderedirect.com/questions/734779/jenkinshow-to-achieve-parallel-dynamic-stages-in-jenkins-declarative-pipeline>
16. Monitoring Kubernetes with Grafana [https://go2.grafana.com/kubernetes-monitoring-grafana-cloud.html?src=ggl-s&mdm=cpc&camp=nb-kubernetes-bmm&cnt=123790598285&trm=prometheus%20kubernetes%20pod%20metrics&device=c&gclid=EAIaIQobChMIlvrVmMX59AIVkbt3Ch27qQDLEAAYASAAEgKsTPD\_BwE](https://go2.grafana.com/kubernetes-monitoring-grafana-cloud.html?src=ggl-s&mdm=cpc&camp=nb-kubernetes-bmm&cnt=123790598285&trm=prometheus kubernetes pod metrics&device=c&gclid=EAIaIQobChMIlvrVmMX59AIVkbt3Ch27qQDLEAAYASAAEgKsTPD_BwE)
17. Monitoring Kubernetes Clusters Through Prometheus & Grafana <https://www.magalix.com/blog/monitoring-of-kubernetes-cluster-through-prometheus-and-grafana>
18. Deploy Prometheus & Grafana on Kubernetes Cluster
19. Jobs and instances. https://prometheus.io/docs/concepts/jobs\_instances/
20. How To Setup Grafana On Kubernetes https://devopscube.com/setup-grafana-kubernetes/
21. How to Setup Prometheus Node Exporter on Kubernetes https://devopscube.com/node-exporter-kubernetes/
22. How To Setup Kube State Metrics on Kubernetes https://devopscube.com/setup-kube-state-metrics/
23. https://github.com/cicd-draft/Jenkins-prometheus/blob/master/README.md
24. How to integrate Jenkins with Prometheus and Grafana on top of Amazon-EKS? https://medium.com/@shashankjoshi368/how-to-integrate-jenkins-with-prometheus-and-grafana-on-top-of-amazon-eks-c393421da9a0
25. Jenkins Monitoring https://joostvdg.github.io/blogs/monitor-jenkins-on-k8s/introduction/
26. Setup Prometheus and Grafana on Kubernetes using prometheus-operator https://computingforgeeks.com/setup-prometheus-and-grafana-on-kubernetes/
27. How to Setup Prometheus Monitoring On Kubernetes Cluster https://devopscube.com/setup-prometheus-monitoring-on-kubernetes/
28. Jenkins monitoring <https://hackmd.io/@isweluiz/SkOZI65->\_
29. https://github.com/cicd-draft/Jenkins-prometheus/blob/master/README.md
30. Setup Prometheus and Grafana on Kubernetes using prometheus-operator https://computingforgeeks.com/setup-prometheus-and-grafana-on-kubernetes/
31. Monitoring Jenkins with Beats https://discuss.elastic.co/t/monitoring-jenkins-with-beats/147917
32. Monitor Kubernetes with Metricbeat https://www.elastic.co/blog/brewing-in-beats-monitor-kubernetes-with-metricbeat
33. Run Metricbeat on kubernetes [https://www.elastic.co/guide/en/beats/metricbeat/current/running-on-kubernetes.html#running-on-kubernetes](https://www.elastic.co/guide/en/beats/metricbeat/current/running-on-kubernetes.html" \l "running-on-kubernetes)
34. https://github.com/elastic/beats
35. Getting started with Metricbeat https://medium.com/devops-dudes/getting-started-with-metricbeat-7c5718e6b3f4
36. Monitoring Kubernetes Cluster using Elastic Stack( Elasticsearch-Kibana-Metricbeat) https://medium.com/nerd-for-tech/monitoring-kubernetes-cluster-using-elastic-stack-elasticsearch-kibana-metricbeat-ecbe586a3e7c
37. Elasticsearch-Kibana Cluster on Kubernetes using ECK - Operator 101 https://arunksingh16.medium.com/elasticsearch-kibana-cluster-on-kubernetes-using-elk-operator-101-bd502f82238b
38. Мониторинг кластера Kubernetes с помощью Elastic Stack (Elasticsearch-Kibana-Metricbeat) https://ichi.pro/ru/monitoring-klastera-kubernetes-s-pomos-u-elastic-stack-elasticsearch-kibana-metricbeat-260302271299196
39. Kubernetes Metrics https://logit.io/sources/configure/metricbeat\_module\_kubernetes
40. Monitoring Kubernetes with Metricbeat http://elatov.github.io/2020/01/monitoring-kubernetes-with-metricbeat/
41. Setup Metricbeat on Kubernetes and config Kibana dashboard to visualize cluster data https://itnext.io/config-kibana-dashboard-to-visualize-your-kubernetes-cluster-data-20a87bd7111d
42. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-quickstart.html
43. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-beat-quickstart.html
44. [https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-eck.html#k8s-deploy-eck](https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-eck.html" \l "k8s-deploy-eck)
45. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-kibana.html
46. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-elasticsearch.html
47. https://www.elastic.co/guide/en/elasticsearch/reference/7.16/getting-started.html
48. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-managing-compute-resources.html
49. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-installing-eck.html
50. Elasticsearch-Kibana Cluster on Kubernetes using ECK - Operator 101 https://arunksingh16.medium.com/elasticsearch-kibana-cluster-on-kubernetes-using-elk-operator-101-bd502f82238b
51. https://logit.io/sources/configure/metricbeat\_module\_kubernetes
52. https://ichi.pro/ru/monitoring-klastera-kubernetes-s-pomos-u-elastic-stack-elasticsearch-kibana-metricbeat-260302271299196
53. Shipping Kubernetes Cluster Metrics to Elasticsearch with Metricbeat https://qbox.io/blog/shipping-kubernetes-cluster-metrics-to-elasticsearch-with-metricbeat/
54. <https://github.com/elastic/beats/blob/master/deploy/kubernetes/metricbeat-kubernetes.yaml>
55. https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-eck.html
56. Run Metricbeat on Kubernetes [https://www.elastic.co/guide/en/beats/metricbeat/current/running-on-kubernetes.html#running-on-kubernetes](https://www.elastic.co/guide/en/beats/metricbeat/current/running-on-kubernetes.html" \l "running-on-kubernetes)
57. Configure Kibana dasboard loading <https://www.elastic.co/guide/en/beats/metricbeat/current/configuration-dashboards.html>
58. Configure Kibana Endpoint <https://www.elastic.co/guide/en/beats/metricbeat/current/setup-kibana-endpoint.html>
59. Deploy A Kibana Instance <https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-kibana.html>
60. Deploy ECK on your kubernetes cluster <https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-eck.html>
61. Deploy an Elasticsearc cluster https://www.elastic.co/guide/en/cloud-on-k8s/current/k8s-deploy-elasticsearch.html
62. Elastic Search and Kibana on Kubernetes on Portworx https://docs.portworx.com/portworx-install-with-kubernetes/application-install-with-kubernetes/elastic-search-and-kibana/
63. Logging in Kubernetes with Elasticsearch, Kibana, and Fluentd <https://mherman.org/blog/logging-in-kubernetes-with-elasticsearch-Kibana-fluentd/>
64. Installing Filebeat for Kubernetes Logs https://alexander.holbreich.org/filebeat-kubernetes/
66. https://github.com/elastic/beats
67. https://coderoad.ru/47692905/Filebeat-Kubernetes-%D0%BF%D1%80%D0%BE%D1%86%D0%B5%D1%81%D1%81%D0%BE%D1%80-%D0%B8-%D1%84%D0%B8%D0%BB%D1%8C%D1%82%D1%80%D0%B0%D1%86%D0%B8%D1%8F
68. https://www.elastic.co/guide/en/beats/metricbeat/current/running-on-kubernetes.html
69. https://www.elastic.co/guide/en/beats/metricbeat/6.8/running-on-kubernetes.html
70. Kubernetes Metrics https://logit.io/sources/configure/metricbeat\_module\_kubernetes
71. https://github.com/elastic/beats/blob/master/deploy/kubernetes/metricbeat-kubernetes.yaml
72. Cluster-level Logging in Kubernetes with Fluentd https://medium.com/kubernetes-tutorials/cluster-level-logging-in-kubernetes-with-fluentd-e59aa2b6093a
73. https://github.com/fluent/fluentd-kubernetes-daemonset
74. Installing Logstash on Kubernetes https://alexander.holbreich.org/logstash-kubernetes/
75. How To Deploy Logstash and Filebeat On Kubernetes With ECK and SSL https://raphaeldelio.medium.com/deploy-logstash-and-filebeat-on-kubernetes-with-eck-ssl-and-filebeat-d9f616737390
76. The basics of deploying Logstash pipelines to Kubernetes https://towardsdatascience.com/the-basics-of-deploying-logstash-pipelines-to-kubernetes-94a470ad34d9
77. ELK stack in k8s cluster <https://tharangarajapaksha.medium.com/elk-stack-in-k8s-cluster-13bb509185e0>
78. https://gitlab.com/ndevox/kubernetes-elastic-logging/blob/master/logstash-deployment.yaml
79. Kubernetes Logging with Filebeat and Elasticsearch (Part 2) https://medium.com/the-metricfire-blog/kubernetes-logging-with-filebeat-and-elasticsearch-part-2-8ddb76ecf35c
80. Logging in Kubernetes with Elasticsearch, Kibana, and Fluentd https://mherman.org/blog/logging-in-kubernetes-with-elasticsearch-Kibana-fluentd/
81. https://docs.fluentd.org/v/0.12/articles/kubernetes-fluentd
82. Kubernetes Logging with Elasticsearch, Fluentd and Kibana https://coralogix.com/blog/kubernetes-logging-with-elasticsearch-fluentd-and-kibana/
83. How To Set Up an Elasticsearch, Fluentd and Kibana (EFK) Logging Stack on Kubernetes https://medium.com/@kirti.garg\_70814/how-to-set-up-an-elasticsearch-fluentd-and-kibana-efk-logging-stack-on-kubernetes-a27db09a24f5
84. Kubernetes Logging with Fluent Bit, Elasticsearch and Kibana https://dwdraju.medium.com/kubernetes-logging-with-fluent-bit-elasticsearch-and-kibana-c4234f71e65b
85. https://www.devopsart.com/2019/12/analyse-jenkins-build-logs-with.html
86. Analyse Jenkins build logs with Elasticsearch and Kibana https://www.devopsart.com/2019/12/analyse-jenkins-build-logs-with.html
87. Monitor Jenkins Application Logs using ELK Stack https://souravatta.medium.com/monitor-jenkins-build-logs-using-elk-stack-697e13b78cb1
88. Jenkins Build Monitoring with the ELK Stack and Logz.io https://logz.io/blog/jenkins-build-monitoring/
89. https://stackoverflow.com/questions/46627979/what-is-the-default-user-and-password-for-elasticsearch
90. https://www.elastic.co/guide/en/kibana/7.16/index-patterns.html
91. https://stackoverflow.com/questions/36319816/jenkins-logstash-plugin-unable-to-post-to-elasticsearch
92. [https://plugins.jenkins.io/logstash/#LogstashPlugin-IndexersCurrentlySupported](https://plugins.jenkins.io/logstash/" \l "LogstashPlugin-IndexersCurrentlySupported)
93. https://stackoverflow.com/questions/30036426/logstash-plugin-for-jenkins
94. https://stackoverflow.com/questions/50095473/using-elk-to-get-jenkins-build-data-from-logs
95. https://blogs.sap.com/2019/04/26/streaming-the-log-data-from-jenkins-pipeline-to-the-elastic-search-and-visualization-in-the-kibana-dashboard/
96. Streaming the log data from Jenkins pipeline to the Elastic search and Visualization in the Kibana dashboard https://blogs.sap.com/2019/04/26/streaming-the-log-data-from-jenkins-pipeline-to-the-elastic-search-and-visualization-in-the-kibana-dashboard/
97. https://discuss.elastic.co/t/logstash-failed-to-send-logs-to-elasticsearch/151039
98. https://stackoverflow.com/questions/36319816/jenkins-logstash-plugin-unable-to-post-to-elasticsearch
99. https://lalit-soni.medium.com/how-to-analyse-jenkins-build-logs-with-elasticsearch-logstash-and-kibana-elk-stack-ad372429858d
100. https://raghwendra-sonu.medium.com/integrate-jenkins-with-github-project-and-feed-the-build-logs-into-elasticsearch-with-logstash-6a50d484bb9d
101. https://stackoverflow.com/questions/54625664/metricbeat-data-is-not-read-by-logstash
102. Jenkins Log Monitoring With ELK https://devsday.ru/blog/details/19180
103. https://coralogix.com/blog/elasticsearch-logstash-kibana-on-kubernetes/
104. Parse and forward jenkins build logs to logstash/ elastricsearch https://stackoverflow.com/questions/57679445/parse-and-forward-jenkins-build-logs-to-logstash-elastricsearch
105. **https://devsday.ru/blog/details/19180**
107. https://grafana.com/grafana/dashboards/13861
108. https://grafana.com/grafana/dashboards/552
109. Monitoring Jenkins with Grafana and Prometheus. https://medium.com/@eng.mohamed.m.saeed/monitoring-jenkins-with-grafana-and-prometheus-a7e037cbb376
110. Grafana Cool Dashboard for Monitoring Jenkins with Prometheus. https://medium.com/@gangsta\_black/grafana-cool-dashboard-for-monitoring-jenkins-with-prometheus-c7ba4f1c6297
111. Jenkins Monitoring with Prometheus and Grafana Dashboard https://www.devopsart.com/2019/09/jenkins-monitoring-with-prometheus-and.html

## Minikube

1. How to connect local kubernetes minikube cluster to jenkins pipeline <https://www.edureka.co/community/82471/connect-local-kubernetes-minikube-cluster-jenkins-pipeline>
2. Deploy Prometheus & Grafana on Kubernetes Cluster <https://medium.com/@gurpreets0610/deploy-prometheus-grafana-on-kubernetes-cluster-e8395cc16f91>
3. Gathering Metrics from Kubernetes with Prometheus and Grafana <https://tanzu.vmware.com/developer/guides/observability-prometheus-grafana-p1/>
4. Prometheus and Grafana installation <https://kubernetes.github.io/ingress-nginx/user-guide/monitoring/>
5. https://martincarstenbach.wordpress.com/2019/06/07/learning-kubernetes-persistent-storage-with-minikube/
6. https://martincarstenbach.wordpress.com/2019/06/07/learning-kubernetes-persistent-storage-with-minikube/
7. Why am I getting an ErrImagePull error in this Kubernetes deployment? https://stackoverflow.com/questions/40600419/why-am-i-getting-an-errimagepull-error-in-this-kubernetes-deployment
8. kubectl get pods shows ErrImagePull https://stackoverflow.com/questions/55392014/kubectl-get-pods-shows-errimagepull
9. How to fix ErrImagePull and ImagePullBackoff https://komodor.com/learn/how-to-fix-errimagepull-and-imagepullbackoff/
10. https://blog.pilosus.org/posts/2019/05/24/k8s-volumes-list-copy/
11. Kubernetes Persistent Volumes: How to List and Copy Files and Directories https://blog.pilosus.org/posts/2019/05/24/k8s-volumes-list-copy/

## Jenkins Performance testing

1. The Top 2 Jenkins Continuous Integration Performance Testing K6 Open Source Projects on Github https://awesomeopensource.com/projects/continuous-integration/jenkins/k6/performance-testing

2. Jenkins and K6 don’t go together, until now https://medium.com/@devanshuagrawal/jenkins-and-k6-dont-go-together-until-now-d9c89227ae03

3. Scaling Jenkins with Kubernetes <https://medium.com/@vashgaurav/scaling-jenkins-with-kubernetes-4a14e6ac8f99>

4. Kubernetes cluster pods as Jenkins Build Agents <https://stackoverflow.com/questions/63135251/kubernetes-cluster-pods-as-jenkins-build-agents>

5. Load testing with Jenkins <https://k6.io/blog/integrating-load-testing-with-jenkins/>

6. K6-to-Junit-XML-Jenkins. https://github.com/devns98/K6-to-JUnit-XML-Jenkins

7. https://github.com/grafana/jslib.k6.io

8. End-of-test summary [https://k6.io/docs/results-visualization/end-of-test-summary/#handlesummary-callback](https://k6.io/docs/results-visualization/end-of-test-summary/" \l "handlesummary-callback)

9. Load Testing with Azure DevOps and k6 https://medium.com/microsoftazure/load-testing-with-azure-devops-and-k6-839be039b68a

10. Running k6 https://k6.io/docs/getting-started/running-k6/

11. Beginner’s Guide to Load Testing with k6 https://medium.com/swlh/beginners-guide-to-load-testing-with-k6-ff155885b6db

12. How to add performance testing to CI/CD pipelines using k6 and GitHub Actions https://www.youtube.com/watch?v=GzR2Z25-Yqo

13. Running distributed k6 tests on Kubernetes https://k6.io/blog/running-distributed-tests-on-k8s/

14. How to Autoscale Kubernetes Pods with Keda - Testing with k6 https://dev.to/k6/how-to-autoscale-kubernetes-pods-with-keda-testing-with-k6-4nl9

15. Integrating NewRelic with K6 in kubernetes cluster https://medium.com/capillary-tech/integrating-newrelic-with-k6-in-kubernetes-cluster-483c381daba9

16. Performance Test in Jenkins – Run Dynamic Pod Executors in Kubernetes Parallelly https://engineering.linecorp.com/en/blog/performance-test-in-jenkins-run-dynamic-pod-executors-in-kubernetes-parallelly/

17. Jenkins on Kubernetes Load Testing https://stackoverflow.com/questions/49809520/jenkins-on-kubernetes-load-testing

18. k6-to-junit https://github.com/Mattihew/k6-to-junit

19. https://github.com/grafana/awesome-k6/blob/main/README.md

20. https://stackoverflow.com/questions/63191180/running-parallel-kubernetes-jobs-in-jenkins-pipeline

21 6 Kubernetes Testing Tools to Use in Your DevSecOps Pipelines https://thechief.io/c/editorial/6-kubernetes-testing-tools-use-your-devsecops-pipelines/

22. https://grafana.com/grafana/dashboards/2587

23 https://github.com/elastic/kibana/issues/12562

24. https://k6.io/docs/results-visualization/prometheus/

25. https://k6.io/docs/results-visualization/csv/

26. https://github.com/grafana/k6/blob/master/Dockerfile

27. https://k6.io/blog/getting-started-with-performance-testing-in-ci-cd-using-k6/

28. 21. Detailed steps in deploying K6 on Kubernetes https://programmerall.com/article/31832021067/

# Jenkins shared library

1. How to Create a Jenkins Shared Library (Tutorial + Example Repo)

https://www.tutorialworks.com/jenkins-shared-library/

2. Jenkins: использование shared libraries https://ealebed.github.io/posts/2018/jenkins-%D0%B8%D1%81%D0%BF%D0%BE%D0%BB%D1%8C%D0%B7%D0%BE%D0%B2%D0%B0%D0%BD%D0%B8%D0%B5-shared-libraries/

3. Centralise Jenkins Pipelines configuration using Shared Libraries https://dev.to/jalogut/centralise-jenkins-pipelines-configuration-using-shared-libraries

4. Share a standard Pipeline across multiple projects with Shared Libraries https://www.jenkins.io/blog/2017/10/02/pipeline-templates-with-shared-libraries/

5. Extending with Shared Libraries [https://www.jenkins.io/doc/book/pipeline/shared-libraries/#writing-libraries](https://www.jenkins.io/doc/book/pipeline/shared-libraries/" \l "writing-libraries)

6. Jenkins Shared Library Test https://github.com/GSA/jenkins-shared-library-examples

7. Jenkins Pipeline Shared Libraries https://habr.com/ru/post/338032/

8. Getting Started With Shared Libraries in Jenkins https://www.cloudbees.com/blog/getting-started-with-shared-libraries-in-jenkins

9. My Jenkins Story: Writing a Jenkins Shared Library https://medium.com/codex/my-jenkins-story-writing-a-jenkins-shared-library-f255c036c4e7

# Jenkins kubernetes pod

Minikube – configure Jenkins Kubernetes plugin https://geekdudes.wordpress.com/2020/01/03/minikube-configure-jenkins-kubernetes-plugin/

Kubernetes Jenkins plugin - slaves always offline https://coderedirect.com/questions/576818/kubernetes-jenkins-plugin-slaves-always-offline

https://github.com/blendle/kubernetes-plugin/blob/master/examples/declarative.groovy

How to Setup Jenkins Build Agents on Kubernetes Pods https://devopscube.com/jenkins-build-agents-kubernetes/

https://github.com/jenkinsci/kubernetes-plugin/blob/master/examples/kaniko-declarative.groovy

Kubernetes Jenkins plugin - slaves always offline https://stackoverflow.com/questions/38486848/kubernetes-jenkins-plugin-slaves-always-offline

Pods terminated immediately from Jenkins to Kubernetes cluster https://stackoverflow.com/questions/63097836/pods-terminated-immediately-from-jenkins-to-kubernetes-cluster

Jenkins World 2017: Scaling Jenkins with Kubernetes https://www.youtube.com/watch?v=DCkzdsffeh0

https://github.com/RazvanSebastian/Kubernetes\_Cluster/blob/master/3\_jenkins\_setup/account-service.yaml

https://stackoverflow.com/questions/44379805/kubernetes-has-a-ton-of-pods-in-error-state-that-cant-seem-to-be-cleared

I usually remove all the Error pods with this command. kubectl delete pod `kubectl get pods --namespace <yournamespace> | awk '$3 == "Error" {print $1}'` --namespace <yournamespace>

https://blog.pilosus.org/posts/2019/05/24/k8s-volumes-list-copy/

open bash on the pod

$ kubectl exec -it redis-master-0 bash

# see disk usage stats

# volume is mounted under /data

I have no name!@redis-master-0:/$ df -h

## Jenkins Logstash Plugin Elasticsearch

1. https://plugins.jenkins.io/postbuild-task/

2. https://www.jenkins.io/doc/book/pipeline/syntax/

3. https://plugins.jenkins.io/postbuildscript/

4. https://medium.com/@gustavo.guss/how-to-do-post-build-in-jenkins-pipeline-d1e7233909b8

5. https://stackoverflow.com/questions/26627975/jenkins-post-build-step-and-action-what-is-the-difference/26632343

6. https://stackoverflow.com/questions/57172999/send-custom-build-info-from-jenkins-to-elasticsearch

7. https://discuss.elastic.co/t/jenkins-logstash-plugin-to-show-current-state-of-all-jobs-in-one-kibana-graph/136562

8. https://issues.jenkins.io/browse/JENKINS-50562?page=com.atlassian.jira.plugin.system.issuetabpanels%3Acomment-tabpanel&showAll=true

9. https://github.com/jenkinsci/logstash-plugin/pull/49

10. https://github.com/jenkinsci/logstash-plugin/pull/52

11. https://www.elastic.co/guide/en/elasticsearch/reference/6.7/docs-index\_.html

12.https://www.elastic.co/guide/en/elasticsearch/reference/6.7/\_basic\_concepts.html

13. https://support.cloudbees.com/hc/en-us/articles/218554077-How-to-set-current-build-result-in-Pipeline

14. https://phabricator.wikimedia.org/T78705

15. https://question-it.com/questions/1812204/plagin-jenkins-logstash-ne-mozhet-otpravljat-soobschenija-v-elasticsearch

16. https://www.elastic.co/guide/en/beats/metricbeat/current/configuration-dashboards.html

Pod delete

1. https://stackoverflow.com/questions/60697650/kubernetes-job-to-delete-a-single-pod-every-minute

2. https://stackoverflow.com/questions/44379805/kubernetes-has-a-ton-of-pods-in-error-state-that-cant-seem-to-be-cleared

I usually remove all the Error pods with this command. kubectl delete pod `kubectl get pods --namespace <yournamespace> | awk '$3 == "Error" {print $1}'` --namespace <yournamespace>

Jenkins Copy Files

1. https://serverfault.com/questions/1014604/stash-and-unstash-in-jenkins-declarative-pipeline

2. https://stackoverflow.com/questions/63008196/how-to-copy-a-workspace-of-a-job-from-jenkins-master-to-slave-container-and-copy

3.http://sfriederichs.github.io/how-to/jenkins/archive/2018/01/16/Jenkins-Build-Artifacts.html

4.https://stackoverflow.com/questions/5821545/archive-the-artifacts-in-jenkins

5. https://stackoverflow.com/questions/35890952/where-are-jenkins-artifacts-located

6. https://www.devopsschool.com/blog/copy-a-files-from-jenkins-server-to-jenkins-node-slave-using-pipeline-plugins/

7. https://stackoverflow.com/questions/57793663/how-to-define-workspace-volume-for-jenkins-pipeline-declarative

8. https://stackoverflow.com/questions/61480357/persistentvolumeclaim-workspace-for-jenkins-slave

9. https://stackoverflow.com/questions/57994836/spec-volumes1-name-duplicate-value-workspace-volume

10. https://stackoverflow.com/questions/61531775/run-time-create-pv-pvc-for-each-jenkins-jobs-running-on-slave-agent

11. https://plugins.jenkins.io/kubernetes/

12. https://stackoverflow.com/questions/48938704/jenkins-kubernetes-plugin-archive-junit

13. https://stackoverflow.com/questions/6131114/where-does-jenkins-store-configuration-files-for-the-jobs-it-runs

14.http://sfriederichs.github.io/how-to/jenkins/archive/2018/01/16/Jenkins-Build-Artifacts.html

15.

Metricbeat Custom Index

1. Dashboards display partially when using custom index (other than metricbeat\*) https://github.com/elastic/beats/issues/20703

2.Load the Elasticsearch index template https://www.elastic.co/guide/en/beats/metricbeat/current/metricbeat-template.html

3. Creating New Kibana Dashboards for a Beat or a Beat module. <https://www.elastic.co/guide/en/beats/devguide/current/new-dashboards.html>.

4. Building your own beat dashboard https://www.elastic.co/guide/en/beats/devguide/current/build-dashboards.html#build-dashboards

5. Exporting new and modified beat dashboard. [https://www.elastic.co/guide/en/beats/devguide/current/export-dashboards.html#export-dashboards](https://www.elastic.co/guide/en/beats/devguide/current/export-dashboards.html" \l "export-dashboards)

6. Import Dashboard https://www.elastic.co/guide/en/beats/devguide/current/import-dashboards.html

7. Change the index name https://www.elastic.co/guide/en/beats/metricbeat/current/change-index-name.html

8. Configure Index Lifecycle management. https://www.elastic.co/guide/en/beats/metricbeat/current/ilm.html

9. Configure an Elasticsearch output https://www.elastic.co/guide/en/beats/metricbeat/current/elasticsearch-output.html

10. cannot change default Metricbeat index for Elasticsearch #13235

https://github.com/elastic/beats/issues/13235

11. Configure index lifecycle management https://www.elastic.co/guide/en/beats/metricbeat/7.3/ilm.html

12. [Why doesn't the metricbeat index name change each day?](https://stackoverflow.com/questions/58033945/why-doesnt-the-metricbeat-index-name-change-each-day) https://stackoverflow.com/questions/58033945/why-doesnt-the-metricbeat-index-name-change-each-day

# Jenkins shared library

1.Jenkins agent monitoring with Prometheus

https://medium.com/tresorit-engineering/jenkins-agent-monitoring-with-prometheus-39c9f5066f29

2.Devops Monitoring – Grafana, Prometheus, Node\_Exporter, WMI\_Exporter, Cadvisor

https://devopsbyravi.wordpress.com/grafana-prometheus-node\_exporter-wmi\_exporter-cadvisor/

3. node exporter dashboard

https://grafana.com/grafana/dashboards/1860

4. How to Setup Prometheus Node Exporter on Kubernetes. https://devopscube.com/node-exporter-kubernetes/

5. node exporter and kubernetes https://www.cloudforecast.io/blog/node-exporter-and-kubernetes/

6. Kubernetes monitoring with Prometheus, the ultimate guide

<https://sysdig.com/blog/kubernetes-monitoring-prometheus/>