The tools we want our team to be able to use are well known and widely used by multiple DevOps teams, so we will introduce a single DevOps Tooling Solution that will consist of:

1. [Jenkins](https://www.jenkins.io/) – free and open source automation server used to build [CI/CD](https://en.wikipedia.org/wiki/CI/CD) pipelines.
2. [Kubernetes](https://kubernetes.io/) – an open-source container-orchestration system for automating computer application deployment, scaling, and management.
3. [Jfrog Artifactory](https://jfrog.com/artifactory/) – Universal Repository Manager supporting all major packaging formats, build tools and CI servers. Artifactory.
4. [Rancher](https://rancher.com/products/rancher/) – an open source software platform that enables organizations to run and manage [Docker](https://en.wikipedia.org/wiki/Docker_(software)) and Kubernetes in production.
5. [Grafana](https://grafana.com/) – a multi-platform open source analytics and interactive visualization web application.
6. [Prometheus](https://prometheus.io/) – An open-source monitoring system with a dimensional data model, flexible query language, efficient time series database and modern alerting approach.
7. [Kibana](https://www.elastic.co/kibana) – Kibana is a free and open user interface that lets you visualize your [Elasticsearch](https://www.elastic.co/elasticsearch/) data and navigate the [Elastic Stack](https://www.elastic.co/elastic-stack).

**Note:** Do not feel overwhelmed by all the tools and technologies listed above, we will gradually get ourselves familiar with them in upcoming projects!

Side Self Study

Read about [Network-attached storage (NAS)](https://en.wikipedia.org/wiki/Network-attached_storage), [Storage Area Network (SAN)](https://en.wikipedia.org/wiki/Storage_area_network) and related protocols like NFS, (s)FTP, SMB, iSCSI. Explore what [Block-level storage](https://en.wikipedia.org/wiki/Block-level_storage) is and how it is used by Cloud Service providers, know the difference from [Object storage](https://en.wikipedia.org/wiki/Object_storage).  
On the [example of AWS services](https://dzone.com/articles/confused-by-aws-storage-options-s3-ebs-amp-efs-explained) understand the difference between Block Storage, Object Storage and Network File System.