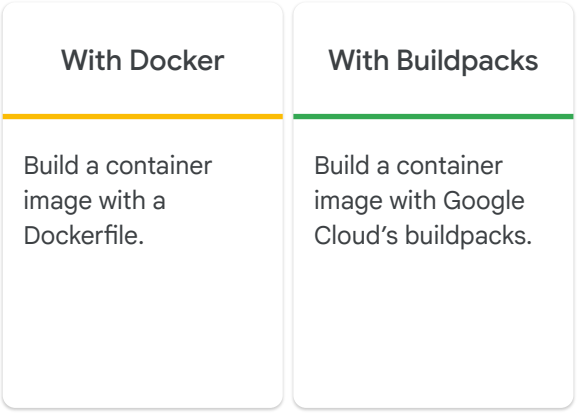
Congratulations on completing this course on Developing Containerized Applications on Google Cloud.

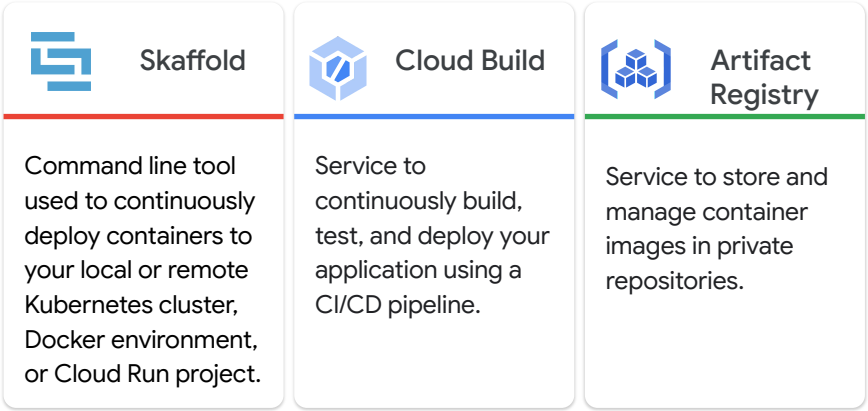
Let’s review the topics that were discussed and the skills you gained in this course.

Build container images



By completing this course, you learned about containers, and container images. You learned how to build and package container images for your application with Docker, and with Google Cloud's buildpacks.

Continuous integration and delivery



We discussed tools like Skaffold, Cloud Build, and Artifact Registry that can be used to implement your CI/CD process to build, test, and deploy containers.

Skaffold handles the workflow for building, and deploying your application, and provides building blocks for creating CI/CD pipelines. Skaffold can be used to continuously deploy containers to your local or remote Kubernetes cluster, Docker environment, or Cloud Run project.

Cloud Build is a service that executes your builds on Google Cloud. With Cloud Build, you can continuously build, test, and deploy your application using a CI/CD pipeline.

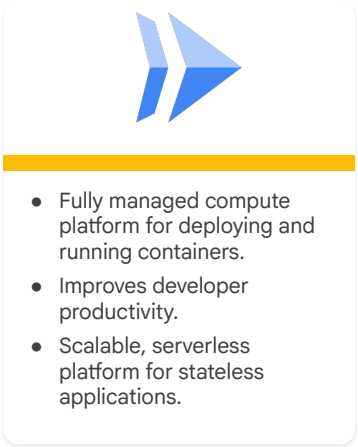
Artifact Registry is a service that is used to store and manage software artifacts in private repositories, including container images, and software packages. Artifact Registry integrates with Cloud Build to store the packages and container images from your builds.

Best practices

- Remove unnecessary tools, and build the smallest image possible.
- Run the application as a non-root user.
- Create container images with common layers.
- Scan your container images for software vulnerabilities

By completing this course, you have the knowledge to implement best practices when building your container images, and securely running your containerized applications.

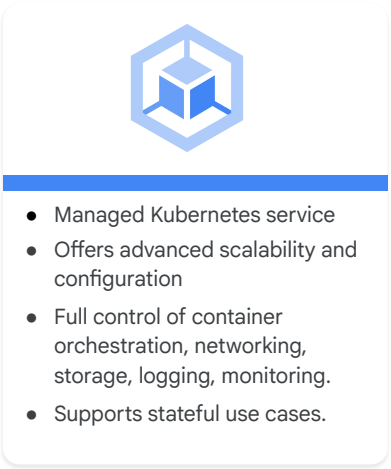
Cloud Run



We discussed Cloud Run, a fully managed compute platform that lets you deploy and run containers directly on top of Google's scalable infrastructure.

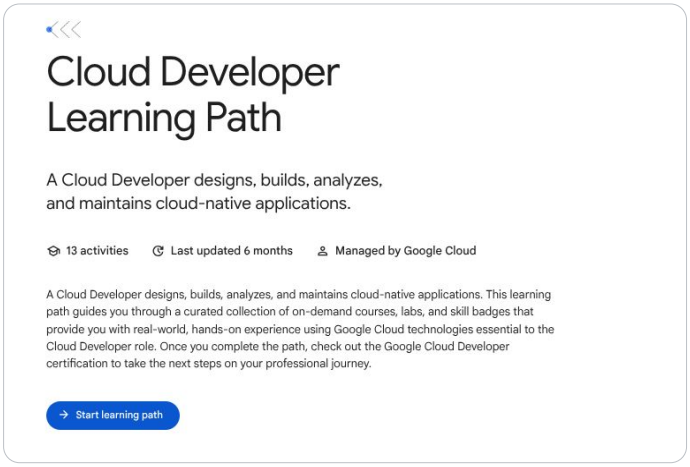
Cloud Run works well with other services on Google Cloud, so you can build full-featured applications without spending too much time operating, configuring, and scaling your Cloud Run service.

Google Kubernetes Engine



We also discussed Google Kubernetes Engine, a managed Kubernetes service for deploying, managing, and scaling your containerized applications on Google infrastructure.

What's next?



Now that you've completed this course on developing containerized applications on Google Cloud, you might consider learning more about other services such as Cloud Run, Google Kubernetes Engine, and about Service Orchestration and Choreography on Google Cloud.

Some of these courses are part of a set of courses and quests in the Cloud Developer learning path that you can subscribe to, and expand your knowledge and skills on Google Cloud.