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⚡ **What is meant by Serverless?**

- Serverless means you don't manage servers manually.

- Cloud provider automatically handles scaling, maintenance, and availability.

- You just deploy your code and it runs when triggered.
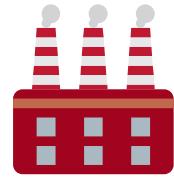
☁️ What is GCP's Cloud Run?

- Cloud Run is a serverless container platform by Google.

- You deploy Docker containers and Google automatically scales them.

- Supports HTTP-based requests and auto-scales to zero when idle.
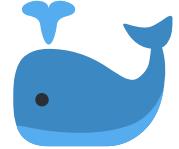
🏭 Industry Use of Cloud Run

- **Event-driven APIs:** respond to requests without managing servers.

- **Microservices deployment:** independent components run in containers.

- **Cost-effective scaling:** pay only when code runs, ideal for startups.

- **Quick prototyping:** fast deployments without infra setup.

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🐳 What is GCR?
(Google Container Registry)

- GCR is a private Docker image registry by Google Cloud.

- Stores container images that can be deployed to Cloud Run, GKE, or Compute Engine.

- Helps teams version, share, and secure images.