

# Heroku

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Cloud Application Platform

# What is Heroku?

- Cloud Platform-as-a-Service (don't worry about infrastructure, just focus on your application)
- Supports Ruby, Java, Node.js, Scala, Python, PHP...

# Features

- Instant Deployment with Git push
- Plenty of Add-on resources (applications, databases etc.)
- Processes scaling - independent scaling for each component of your app
- Isolation - each process is completely isolated from each other
- Full Logging

# Dynos

- A dyno is a lightweight isolated Linux container that runs a single user-specified command to provide the environment required to run an application.
- Applications that use the free dyno type will sleep after 30 minutes of inactivity. Scaling to multiple web dynos, or a different dyno type, will avoid this.

# Scalability

| Dyno Type     | Sleeps | Professional Features | Memory (RAM) | CPU Share | Dedicated |
|---------------|--------|-----------------------|--------------|-----------|-----------|
| free          | yes    | no                    | 512MB        | 1x        | no        |
| hobby         | no     | no                    | 512MB        | 1x        | no        |
| standard-1x   | no     | yes                   | 512MB        | 1x        | no        |
| standard-2x   | no     | yes                   | 1024MB       | 2x        | no        |
| performance-m | no     | yes                   | 2.5GB        | 100%      | yes       |
| performance-l | no     | yes                   | 14GB         | 100%      | yes       |

# Demo

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# Questions ?

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**Thank you !**

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