



Cloud Operations Engineer Exercise

We would like you to build a simple service, using any programming language, framework, tools, etc. that you prefer. **Please let us know which language or framework you've selected before beginning.** The service should behave as follows:

- Expose an HTTP endpoint at the URL `/manage_file` that accepts a JSON payload.
- If the payload includes `"action": "download"`, fetch the file at <https://www.learningcontainer.com/wp-content/uploads/2020/04/sample-text-file.txt> and store it locally.
- If the payload includes `"action": "read"`, return the contents of the file.
- Ensure your service returns proper status codes for all requests, and otherwise behaves appropriately for a standard HTTP service.

This is a basic exercise, but we are looking for more than just functionality, we want to see your software craft and operational knowledge! *Feel free to embellish the service with any features you think are important, useful, or demonstrative of your skills.* This is your chance to really shine. Some example enhancements you are encouraged to include:

- Unit tests.
- Containerize your service.
- Logs, metrics, monitors, or other observability functionality.
- Automate deployment of the service.

There may be places where you need to make assumptions; make them as needed and just document them.

When you are done, please send us a link to a public GitHub repository that contains your code (and preferably your commit history.)

We are excited to see what you have built and thank you for your interest in JumpCloud!

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