//mission overview

Firstly, thank you for your interest in Arctiq! We hope you gained some insight into how Arctiq is a unique solution provider in today's technology market. We also hope you got a sense of how important each and every team member is to the ongoing success of Arctiq.

Your mission (should you choose to accept it!) is focused on learning some new technologies we feel are key to enabling DevOps and technology transformation for Arctiq's clients.

//goals

- For you to get a feel for some of the learning challenges experienced regularly at Arctiq. Consider this an opportunity to test drive a day-in-the-life at Arctiq and judge for yourself.
  This should be both challenging and fun, and also enable you with some new valuable skills.
- For Arctiq to gauge how you respond to the challenge, apply critical thinking, research and problem solving, and your ability to engage the meeting attendees.

//deployment

Deploy HashiCorp Vault on a Kubernetes cluster in the cloud of your choosing.

- Build a Kubernetes cluster using Terraform.
- Deploy Vault with auto-unseal capabilities enabled and implement a cloud Dynamic Secrets Engine which is leveraged by Terraform for automating deployments of cloud infrastructure
- **Bonus**: Demonstrate how this could be integrated with a CI/CD pipeline

//constraints
- Use Github.com to store, version, and explain your code

//freedom
- Use Terraform as the automation tool but feel free to layer-in any other (shell, Ansible etc.)
- Choose how you want to present your workshop to the Arctiq team (be creative)

//support
- The Arctiq Slack channel. We always work in a collaborative style. If you have a question, please just **ask** - we will provide guidance and tips to make sure you are successful.
- Don't forget about the Internet

//timeline
- You have one week to complete the mission, after which you will present to the Arctiq team.
- If you really enjoy the exercise and want to accomplish more, please do!
- Need some feedback or direction along the way? Reach out on Slack, you are not alone!

//presentation

- On the day of your presentation, remotely demonstrate the solution architecture, features, and functionality to the team
- Part of your presentation should include an overview of the value to the business for an executive audience

Arctiq's mission is to provide our clients with solutions that enable organizational success in the modern world.

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