Technical Test

This task should demonstrate your grasp of key DevOps skills, such as working with source control, automation, orchestration and software configuration management.

Task

a) Launch 3 separate linux nodes using the tool/distro of your choice

- 2 x application nodes
- 1 x web node

b) Using a configuration management tool (**contractors MUST use Chef**)

- Deploy the sample application to the application nodes
- Install Nginx on the web node and balance requests to the application nodes in a round-robin fashion
- Demonstrate the round-robin mechanism is working correctly

Goal

Sending a HTTP request to the web node should return the response

```
Hi there, I'm served from <application node hostname>!
```

Considerations

- Share your work on a public git repo
- Include a README.md with clear and concise instructions
- Invocation should be a one line command string
- Take care not to over engineer a solution

Bonus point
For changes to the sample code, automate the build and delivery to the environment.

Sample application code (Go)

```
package main
import (
        "fmt"
        "net/http"
        "os"
)
func handler(w http.ResponseWriter, r *http.Request) {
        h, _ := os.Hostname()
        fmt.Fprintf(w, "Hi there, I'm served from %s!", h)
}
func main() {
        http.HandleFunc("/", handler)
        http.ListenAndServe(":8484", nil)
}
```