## Screening test

This task should demonstrate your grasp of key DevOps skills, such as working with source control, automation, orchestration and software configuration management.  
You should aim to have your results ready to share at least 24 hours prior to your interview.

**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)  } |