**Eduonix Introduction To Go**

**Summary**

At the conclusion of the course you should now start to be comfortable with the following attributes of Go code development

1. How to use Golang language types such as Goroutines, pointers, functions and structs to

* create your own rest api
* interface with external api’s like amazon aws
* create concurrent code

2. Use Golang packages to

* install dependencies
* export dependencies via github(as in the Docker topic)

3. Use the Golang toolchain to

* bind to other languages and frameworks(Android, Python)
* create static and dynamic link libraries
* dynamically link to external dynamic link libraries (video streaming)

4. Create simple applications for

* Desktop
* Cloud (Docker, Rest, App Engine, AWS)
* Mobile (Android)
* Systems

Where to from here

I predict there will be a big uptake in Go language development and the growth will be driven by

* Cloud programming
* Mobile programming
* Systems programming

Cloud programming growth will be driven by the demand for IoT, Golangs simplicity w.r.t creating concurrent code will drive demand for Go Cloud development skills

Mobile programming is already beginning to eclipse desktop application development. Golangs one language toolchain and the simplicity it allows for complicated and difficult task such as cross compiling will drive demand for Go Mobile development skills

With the decrease in cost for sophisticated and powerful embedded platforms like ARM,

the application development space for the IoT will come to dominate the market for development skills. This will primarily will be a systems programming domain and will drive demand for Go Systems programming skills