

# netns - network namespaces in go

The netns package provides an ultra-simple interface for handling network namespaces in go. Changing namespaces requires elevated privileges, so in most cases this code needs to be run as root.

## Local Build and Test

You can use go get command:

```
go get github.com/vishvananda/netns
```

Testing (requires root):

```
sudo -E go test github.com/vishvananda/netns
```

## Example

```
package main

import (
    "fmt"
    "net"
    "runtime"
    "github.com/vishvananda/netns"
)

func main() {
    // Lock the OS Thread so we don't accidentally switch namespaces
    runtime.LockOSThread()
    defer runtime.UnlockOSThread()

    // Save the current network namespace
    origins, _ := netns.Get()
    defer origins.Close()

    // Create a new network namespace
    newns, _ := netns.New()
    defer newns.Close()

    // Do something with the network namespace
    ifaces, _ := net.Interfaces()
    fmt.Printf("Interfaces: %v\n", ifaces)

    // Switch back to the original namespace
    netns.Set(origins)
}
```