

Deploying Packages on Gno.land

The complete guide to deploying Gno packages



Package Types



Pure Packages (/p/namespace/ ...)

- No persistent storage

```
package demo

func Add(a, b int) int {
    return a + b
}
```



Realm Packages (/r/namespace/ ...)

- Persistent storage

```
package demo

var counter int

func Increment() {
    counter++
}
```



Deployment Commands

Package Deployment

```
gnokey maketx addpkg \  
  --pkgpath "gno.land/r/demo/counter" \  
  --pkgdir "./counter" \  
  --deposit "1gnot" \  
  --gas-fee "1gnot" \  
  --gas-wanted 200 \  
  --broadcast \  
  --chainid "staging" \  
  --remote "https://rpc.gno.land:443" \  
MyKey
```



Namespace Rules

Path Structure

```
gno.land/[p|r]/[owner]/[package]
```

Ownership Rules:

1. **Registered users:** `gno.land/p/david/math`
2. **Anonymous users:** `gno.land/p/g1abc ... xyz/math`
3. **Gno owned packages:** `gno.land/r/sys/vals`

Deployment Rights:

- Only namespace owner can deploy
- Requires correct signing key