

# Terraform Dependency Lockfile

# Dependency Lockfile

- Dependency lockfile records the downloaded Provider version pertaining to the configuration
  - Helps maintain consistency - ensures everyone downloads same Provider version
  - Terraform will download latest Provider version which matches the version constraint & record that version into the dependency lockfile
  - Once version is recorded, any subsequent `terraform init` commands will download the same version
    - Even if a latest version is available
- The dependency lockfile is crucial for teams
  - Always push the dependency lockfile to your repository
- The dependency lockfile is automatically generated and maintained by Terraform
  - No need to manually edit the file
  - If accidentally deleted, run `terraform init` to generate a new lockfile
- Dependency lockfiles are always located at the root level of your main configuration directory
- If you need to upgrade the Provider version, run `terraform init -upgrade`
  - Terraform will update your dependency lockfile, with the new downloaded Provider version

# Dependency Lockfile

```
pw_basics > ≡ .terraform.lock.hcl
```

```
# This file is maintained automatically by "terraform init".  
# Manual edits may be lost in future updates.
```

```
provider "registry.terraform.io/hashicorp/aws" {  
  version      = "3.63.0"  
  constraints = "~> 3.0"  
  hashes = [  
    "h1:OrFmv6NFX1fqE10psnI8SmqeFRs02VIRcixqYqL0+Tc=",  
    "zh:42c6c98b294953a4e1434a331251e539f5372bf6779bd61ab5df84cac0545287",  
    "zh:5493773762a470889c9a23db97582d3a82035847c8d3bd13323b4c3012abf325",  
    "zh:550d22ff9fed4d817a922e7b84bd9d1f2ef8d3afa00832cf66b8cd5f0e6dc748",  
    "zh:632cb5e2d9d5041875f57174236eafe5b05dbf26750c1041ab57eb08c5369fe2",  
    "zh:7cfeaf5bde1b28bd010415af1f3dc494680a8374f1a26ec19db494d99938cc4e",  
    "zh:99d871606b67c8aefce49007315de15736b949c09a9f8f29ad8af1e9ce383ed3",  
    "zh:c4fc8539ffe90df5c7ae587fde495fac6bc0186fec2f2713a8988a619cef265f",  
    "zh:d0a26493206575c99ca221d78fe64f96a8fbcebe933af92eea6b39168c1f1c1d",  
    "zh:e156fdc964fdd4a7586ec15629e20d2b06295b46b4962428006e088145db07d6",  
    "zh:eb04fc80f652b5c92f76822f0fec1697581543806244068506aed69e1bb9b2af",  
    "zh:f5638a533cf9444f7d02b5527446cdbc3b2eab8bcc4ec4b0ca32035fe6f479d3",  
  ]  
}
```