**2. Challenges to manage Infrastructure**

**Challenges in existing infrastructure**

* let us understand what are the challenges we have in infrastructure management?
* In our case, the challenge is nothing but how we do manage multiple environments.
* How can your TerraForm handle multiple environments in an efficient manner?
* Let us take a few examples. In TerraForm, we have something called TerraForm Workspace. If you look at that concept called TerraForm Workspace, if you want to create a resource on the target provider for multiple environments like prod, dev, qa and staging or pre-production.
* we must go for workspace, which is an inbuilt feature of you terraform. If you know about that Terraform workspace, it is not that easy to manage for multiple environments
* The main purpose of using terragrunt is nothing but it does not create a resource in your target provider. It cannot.
* The advantage of terragrunt is nothing but it will help your terraform to manage multiple environments. Because since your TerraForm is not able to handle, these particular multiple environments. terragrunt is helping your TerraForm to manage multiple environments.
* This tool is useful if you really have target providers with multiple environments.