Terraform - Commonly used Commands  
  
🔷 Terraform commands are essential for managing infrastructure as code.  
  
Here's a breakdown of the purposes of these commonly used Terraform commands:  
  
🔸 ' terraform init '  
Initializes a working directory containing Terraform configuration files. This command initializes the backend, downloads necessary plugins, and sets up the environment for the configuration.  
  
🔸 ' terraform init -upgrade '  
Upgrades the provider plugins to the latest versions compatible with the configuration. It checks for and downloads newer versions of the required providers.  
  
🔸 ' terraform plan '  
Generates an execution plan showing what actions Terraform will take to achieve the desired state specified in the configuration files. It's a "dry run" to preview changes before applying them.  
  
🔸 ' terraform apply '  
Executes the actions proposed in the execution plan generated by terraform plan. It creates, modifies, or deletes resources according to the configuration provided.  
  
🔸 ' terraform validate '  
Validates the configuration files for correct syntax, format, and other basic errors. It checks whether the configuration is properly formatted and follows the Terraform language constructs.  
  
🔸 ' terraform fmt '  
Formats the Terraform configuration files to ensure consistent styling and indentation. It helps maintain a standardized appearance across the configuration.  
  
🔸 ' terraform destroy '  
Destroys all resources created by the Terraform configuration. It prompts for confirmation before deleting, allowing you to decommission infrastructure provisioned by Terraform.  
  
💡 These commands are fundamental for managing Terraform projects, from initializing the environment to planning changes, applying configurations, and eventually destroying resources when they are no longer needed.

