

Terraform Taint & Refresh

Terraform Taint

- **terraform taint** - marks a damaged/degraded resource in the statefile with a "taint"
 - Tells Terraform that something is wrong with this resource
 - Upon the next **terraform apply**, Terraform will re-create the resource
 - Important to note that, does not immediately re-create the resource, only upon next apply
- Command is deprecated as of version 0.15.2, but good to understand what it does
 - Deprecated due to developer instability
 - Because not immediately replaced, caused confusion and instability amongst teams
- **terraform taint** is replaced by **terraform apply -replace="resource_address"**
 - We will cover how to target specific resources - **resource address**
 - Replace will immediately re-create the resource instead of waiting for next apply
 - Re-create the resource even without any configuration changes

Terraform Refresh

- **terraform refresh** - reads the resources in your environment and updates your statefile
 - Keeps your statefile up-to-date with any manual/unexpected changes
 - Modifies your statefile
- Command is deprecated as of version 0.15.4, but good to understand what it does
 - Deprecated because the command is deemed "unsafe"
- Replaced by **terraform apply -refresh-only**
 - Instead of automatically modifying your statefile, will ask for confirmation
- Generally, you won't ever run this command
 - Refresh is automatically ran in the background, when running **terraform plan** or **terraform apply**
 - Used to generate the execution plan - comparing your code, statefile, and remote resources