ILM Cloud Foundation

***Wow Demo!***

*Objective: Demonstrate to customers the “lifecycle of a resource” from an end user perspective. This demo will showcase the ILM foundation[[1]](#footnote-0) in its full glory and should be 20-30 mins long. It can be either done after the 2nd call deck or during the workshop with a goal to “Wow” the audience.*

1. **[just a talk track]** *Non-demoable pre-requisites that need called out, but only part of the ILM LZ module. Maybe show that they are configured, but not built during the demo?*
   * *Onboarding of:*
     1. *Org*
        1. *SSO*
        2. *VCS Provider?*
        3. *Sentinel Policies (OOTB CIS for AWS initially?)*
        4. *Run task cost estimation (Infracost, Cloudability?)*
        5. *Health Assessments enforced*
     2. *Team*
        1. *Notifications to Teams/Slack/Email/Webhook for MLM Change Requests*
     3. *Project*
        1. *Project Tag Bindings with Business Logic*
        2. *Dynamic Provider Credentials*
        3. *Variable set?*
        4. *Project scoped Sentinel Policies?*
        5. *VCS Provider?*
2. **App onboarding workflow (Consumer workflow - workspace vending)**
   * App users (BU end users) request project/workspaces (dev/test/prod) through a no-code module.
     1. Discuss TFE Provider, no-code module for TF App Landing zone
   * Ensure the dev & test workspaces are configured to be ephemeral - with auto-apply enabled.
   * Prod is not configured as ephemeral and does not have auto-apply - would need project admin to perform apply.
3. **Day 1 (Consumer workflow - Infra provisioning)**
   * The infrastructure provisioning workflow, showcasing the following on the dev environment
     1. VCS integration with github
     2. Run task cost estimation (Infracost) - results shown
     3. Dynamic Credentials for AWS
     4. Sentinel policies (Out of the box AWS policies) - results shown
     5. ~~notifications~~
     6. Tags (cost center, environment, app\_id)
     7. drift detection, and continuous validation
   * The user will leverage module from PMR to deploy infrastructure that will include s3 bucket, rds, ec2 etc
     1. They will do this by editing code in a github repo that is connected to the vended workspace
     2. (not sure if it is worthwhile to show how they would promote infrastructure to test/prod environments - this could just be a talk track instead of actual demo. We will however have the dev/test/prod workspaces to show that they are there)
4. **Day 2** 
   * Infrastructure modification workflow. The user performs an invalid change to the infrastructure - here we demonstrate speculative plans which will reject the PR because the sentinel policy failed.
   * The user then corrects the issue and performs the PR and merge to make the change. Since au-top apply is applied - the infrastructure change happens automatically and the user is notified of the update.
5. **Drift Detection and Remediation**
   * The user makes a change from the AWS Console
   * The drift detection is manually triggered
   * User then uses apply to remediate the drift

1. HCP Terraform [↑](#footnote-ref-0)