**Terraform Operational Readiness Checklist**

1. Core Integrations

* Integrate with Version Control System (VCS)
* Set up Single Sign-On (SSO) / Identity Provider (IdP)
* Deploy HCP Terraform Agents (if required)
* Configure system logs and metrics (for Terraform Enterprise)
* Enable audit logs for compliance and traceability

2. Platform and Team Onboarding

* Establish a workflow for onboarding application teams to HCP Terraform/Enterprise
* Automate workflow vending and workspace creation
* Provide secure cloud credentials for workspaces
* Test initial end-to-end CLI-driven and VCS-driven runs
* Validate SSO for both platform and application teams
* Gather feedback from early adopter teams and iterate on onboarding processes

3. Project and Platform Planning

* Plan installation and configuration of HCP Terraform or Terraform Enterprise
* Define self-service capabilities for internal customers
* Strategize onboarding for early adopters and gradual rollout to larger teams
* Assess platform team size and bandwidth for supporting onboarding and automation

4. Training and Documentation

* Ensure platform team is fully trained on Infrastructure as Code (IaC) with Terraform and relevant cloud providers
* Adhere to the HashiCorp Terraform language style guide:
  + [Terraform Style Guide](https://developer.hashicorp.com/terraform/language/style)
* Provide documentation and guidance for developers to write compliant Terraform code

5. Workspace and Credential Management

* Set up Terraform workspaces with appropriate cloud credentials
* Connect workspaces to VCS for automated runs and collaboration

6. Day 2 Operations and Automation

* Enable automated drift detection to monitor for configuration changes
* Implement proactive health checks for infrastructure
* Set up continuous validation and run tasks for policy enforcement and integration with third-party tools
* Configure automatic alerts and remediation workflows

7. Security and Compliance

* Ensure all workspaces and operations are auditable
* Apply guardrails for security, compliance, and financial controls
* Regularly review and update access controls and permissions

8. Prerequisites and References

* Review and implement the following guides:
* Terraform Operating Guides: Adoption & Standardization
  + [Adoption Guide](https://developer.hashicorp.com/validated-designs/terraform-operating-guides-adoption)
  + [Standardization Guide](https://developer.hashicorp.com/validated-designs/terraform-operating-guides-standardization)
* Terraform Solution Design Guide for Terraform Enterprise:
  + [Solution Design Guide](https://developer.hashicorp.com/validated-designs/terraform-solution-design-guides-terraform-enterprise)
* Cloud Operating Model:
  + [Cloud Operating Model PDF](https://www.datocms-assets.com/2885/1688075949-1686849771-hashicorp_whitepaper_cloudoperationsmodel_06-12-2023.pdf)

9. Additional Operational Readiness Resources

* [Well-Architected Framework](https://developer.hashicorp.com/well-architected-framework/operational-excellence/operational-excellence-resources)