

10 Steps to Launch a Secure Cloud Computing Architecture (SCCA) Landing Zone

How to deploy Oracle's Cloud Native SCCA Landing Zone

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Purpose statement

This document provides 10 simple steps to configure your Oracle Cloud Native SCCA Landing Zone.

Disclaimer

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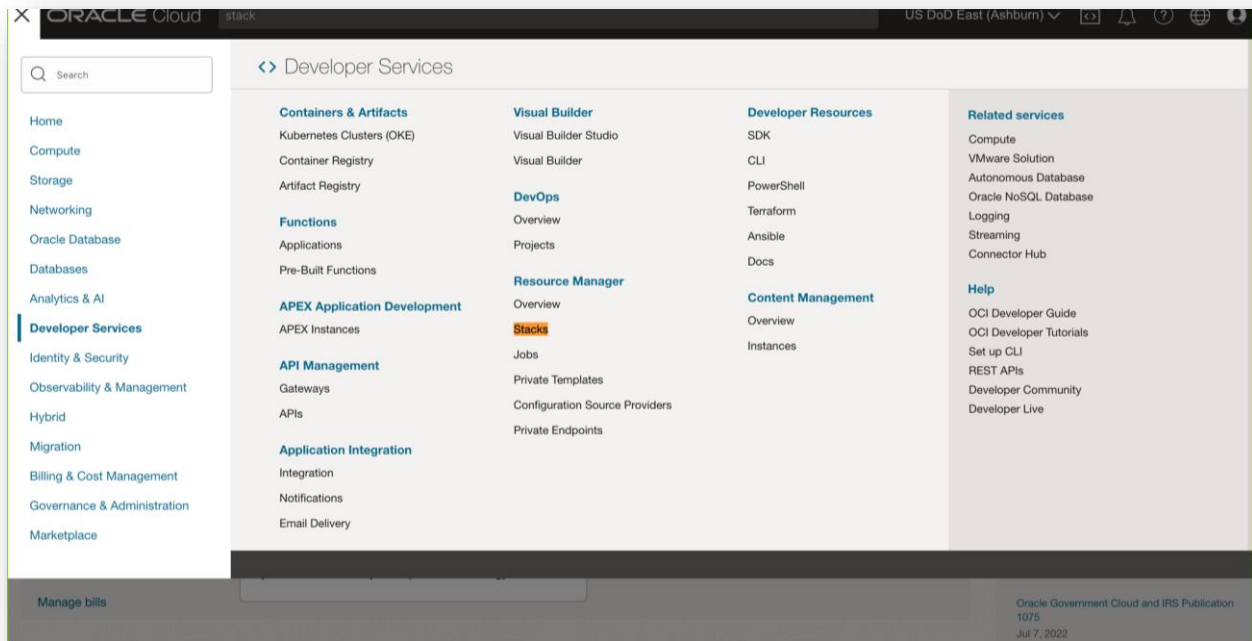
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Step 1 Get Started

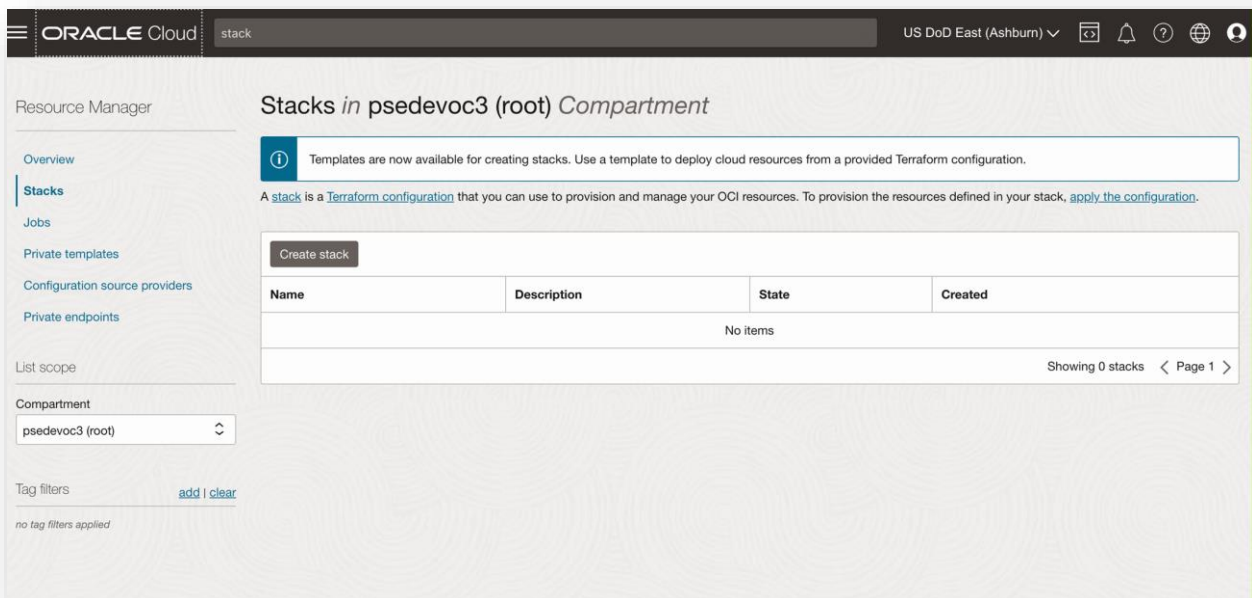
Log in to Oracle Cloud Console.

Select the **Navigation Menu** and select **Developer Services**, then **Stacks** under the Resource Manager heading.



Select your **Compartment** for deployment on the left dropdown menu.

Click **Create Stack**.



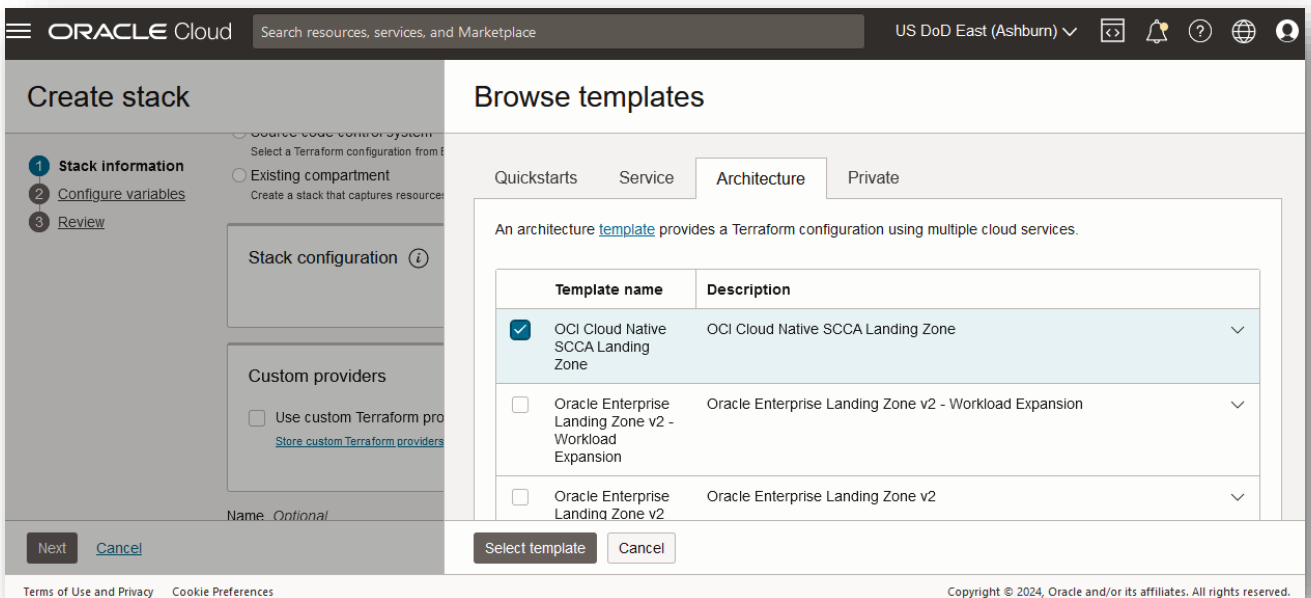
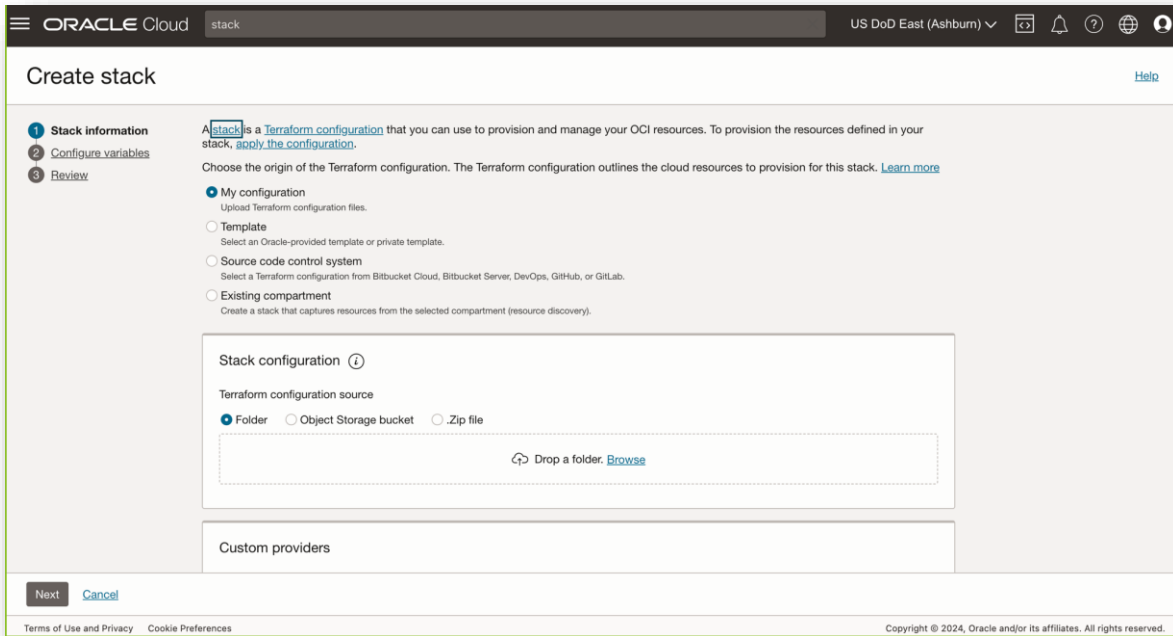
Step 2 Stack Configuration

Select the **Template** radio button.

Click **Select Template**.

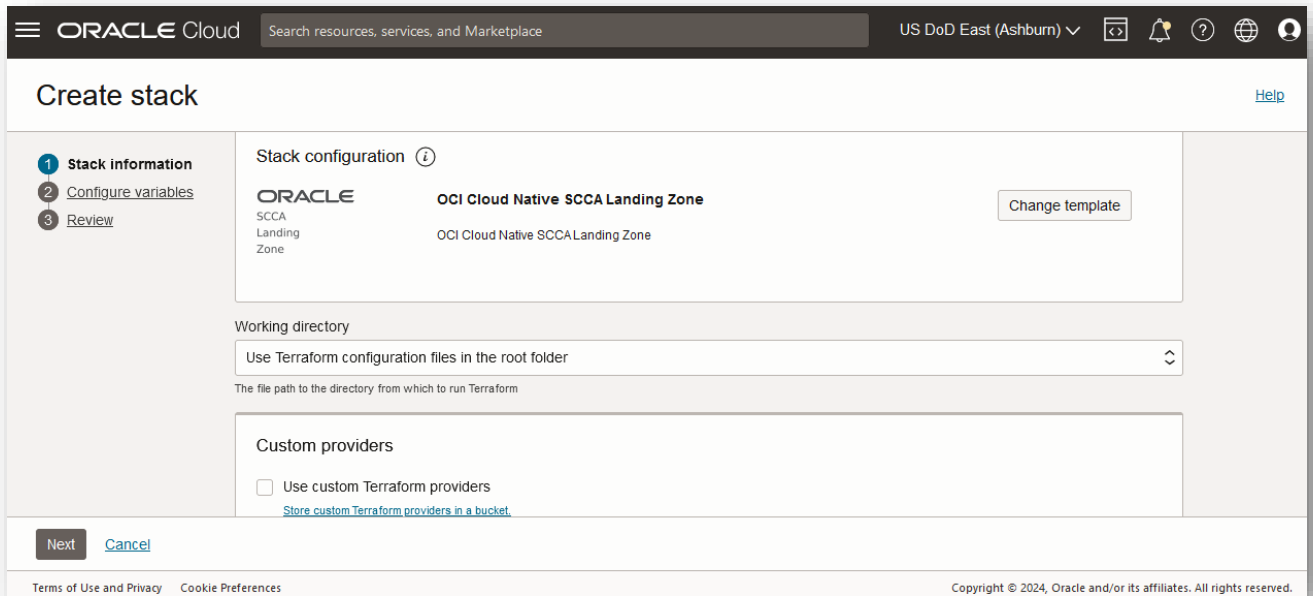
Select the **Architecture** tab.

Select **OCI Cloud Native SCCA Landing Zone**.

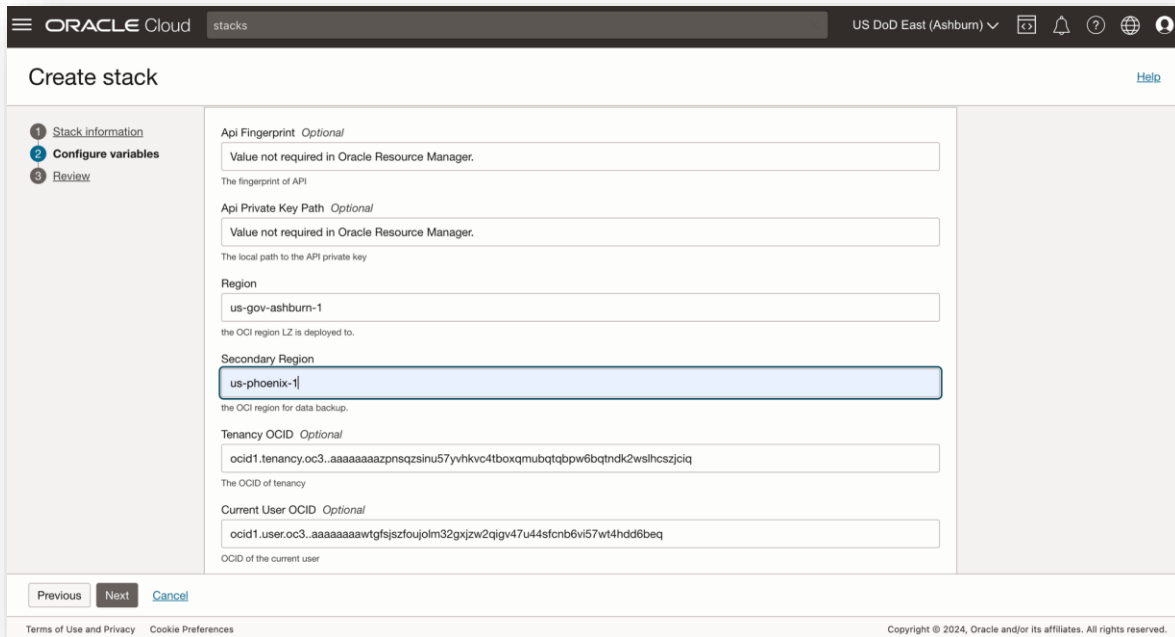


Step 3 Configure Variables

Update the optional variables such as **Stack Name**, then click **Next**.



Configure the **Provider Variables** as needed. The **Secondary Region** field is required.



Step 4 Compartment Configuration

Configure your Landing Zone **Compartments** and choose whether to enable a separate compartment for logging.

The screenshot shows the 'Create stack' page in the Oracle Cloud console, specifically the 'Compartment Variables' section. The page has a dark header with 'ORACLE Cloud' and 'stacks' on the left, and 'US DoD East (Ashburn)' and various utility icons on the right. A 'Help' link is in the top right corner. On the left side, there are three numbered steps: 1. Stack information, 2. Configure variables (active), and 3. Review. The main content area contains several input fields: 'Home Compartment Name' (OCI-SCCA-LZ-Home), 'VDMS Compartment Name' (OCI-SCCA-LZ-VDMS), 'VDSS Compartment Name' (OCI-SCCA-LZ-VDSS), and 'Backup Compartment Name' (OCI-SCCA-LZ-IAC-TF-Configbackup). Below these is a 'resource_label' field with the value 'test'. At the bottom of this section, there is a checkbox for 'enable_logging_compartment' which is checked. At the very bottom of the page, there are 'Previous', 'Next', and 'Cancel' buttons, and a footer with 'Terms of Use and Privacy', 'Cookie Preferences', and 'Copyright © 2024, Oracle and/or its affiliates. All rights reserved.'

Step 5 Identity and Access Management (IAM)

Configure **Identity Variables**:

- **Realm Key**
 - 1 for OC1 (Commercial)
 - 2 for OC2 (US Government Realm)
 - 3 for OC3 (US Defense Cloud)
- Choose whether to enable Identity replication.

The screenshot shows the 'Create stack' page in the Oracle Cloud console, specifically the 'Identity Variables' and 'Monitoring Variables' sections. The layout is similar to the previous screenshot. The 'Identity Variables' section contains a 'realm_key' dropdown menu with the value '1' selected. Below it is a checkbox for 'enable_domain_replication' which is unchecked. The 'Monitoring Variables' section contains three dropdown menus for email lists: 'VDMS Critical Notification Recipient Email List', 'VDMS Warning Notification Recipient Email List', and 'VDSS Critical Notification Recipient Email List'. All three dropdowns have 'Select a value' as the current selection. At the bottom, there are 'Previous', 'Next', and 'Cancel' buttons, and a footer with 'Terms of Use and Privacy', 'Cookie Preferences', and 'Copyright © 2024, Oracle and/or its affiliates. All rights reserved.'

Step 6 Monitoring Variables

Configure your **Monitoring Variables**. The initial Email list options are optional.

Create stack [Help](#)

1 Stack information
2 Configure variables
 3 Review

List of email addresses for VDSS Critical notifications.
 VDSS Warning Notification Recipient Email List *Optional*
 Select a value

List of email addresses for VDSS Warning notifications.

enable_vdss_warning_alarm
 Enable warning alarms in VDSS compartment

enable_vdss_critical_alarm
 Enable critical alarms in VDSS compartment

enable_vdms_warning_alarm
 Enable warning alarms in VDMS compartment

enable_vdms_critical_alarm
 Enable critical alarms in VDMS compartment

onboard_log_analytics
 Set to true ONLY if your tenancy has NOT been onboarded onto log analytics (fails otherwise). Verify by visiting log analytics in the console.

Security Variables

backup_bucket_name *Optional*
 OCI-SCCA-LZ-IAC-Backup

[Previous](#) [Next](#) [Cancel](#)

Step 7 Security Variables

Configure your **Security Variables**, many are optional.

Create stack [Help](#)

1 Stack information
2 Configure variables
 3 Review

Security Variables

backup_bucket_name *Optional*
 OCI-SCCA-LZ-IAC-Backup
 Name for bucket to store terraform state backups.

central_vault_name *Optional*
 OCI-SCCA-LZ-Central-Vault
 Name for Vault for Key storage.

central_vault_type *Optional*
 VIRTUAL_PRIVATE
 Type of vault. Set value to DEFAULT for testing purpose. Production deployments should be VIRTUAL_PRIVATE

enable_vault_replication
 Enable to replicate vault to secondary region. Can only be enabled when vault type is VIRTUAL_PRIVATE

master_encryption_key_name *Optional*
 OCI-SCCA-LZ-MSK
 Name of Master Encryption Key

cloud_guard_target_tenancy
 Should Cloud Guard monitor entire tenancy? (if false, it just monitors the Landing Zone compartment tree)

Restion Client CIDR Block Allow List

[Previous](#) [Next](#) [Cancel](#)

Step 8 Network Variables

Configure your **Network Variables**.

Create stack

1 Stack information
 2 **Configure variables**
 3 Review

Network Variables

vdss_vcn_cidr_block
 192.168.0.0/24
CIDR block for VDSS Network

firewall_subnet_cidr_block
 192.168.0.0/25
CIDR block for VDSS Firewall Subnet. Must be within VDSS Network CIDR block.

lb_subnet_cidr_block
 192.168.0.128/25
CIDR block for VDSS Loadbalancer Subnet. Must be within VDSS Network CIDR block

vdms_vcn_cidr_block
 192.168.1.0/24
CIDR block for VDMS Network

vdms_subnet_cidr_block
 192.168.1.0/24
CIDR block for VDMS Subnet. Must be within VDMS Network CIDR block

is_vdms_vtap_enabled
Add VTAP infrastructure for VDMS Network?

Previous Next Cancel

Step 9 Workload Variables

Configure your **Workload Variables**, then click **Next**.

Create stack

1 Stack information
 2 **Configure variables**
 3 Review

Workload Variables

mission_owner_key
 test
Short prefix added to workload name to group workload resources.

workload_name
 test
Name for initial example workload. Each workload within a Landing Zone should have a unique name.

workload_vcn_cidr_block
 192.168.2.0/24
CIDR block for Workload Application Network

workload_subnet_cidr_block
 192.168.2.0/24
CIDR block for Workload Application Subnet. Must be within Workload Network CIDR block

workload_db_vcn_cidr_block
 192.168.3.0/24
CIDR block for Workload DB Network

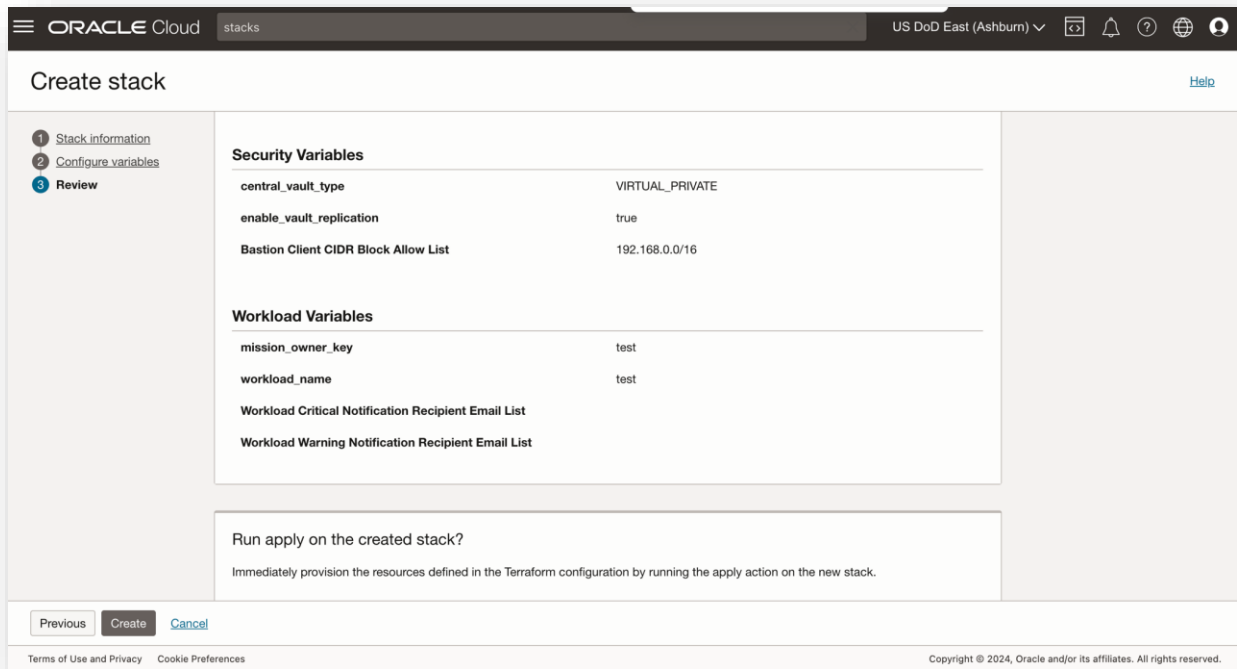
workload_db_subnet_cidr_block
 192.168.3.0/24

Previous Next Cancel

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Step 10 Confirmation

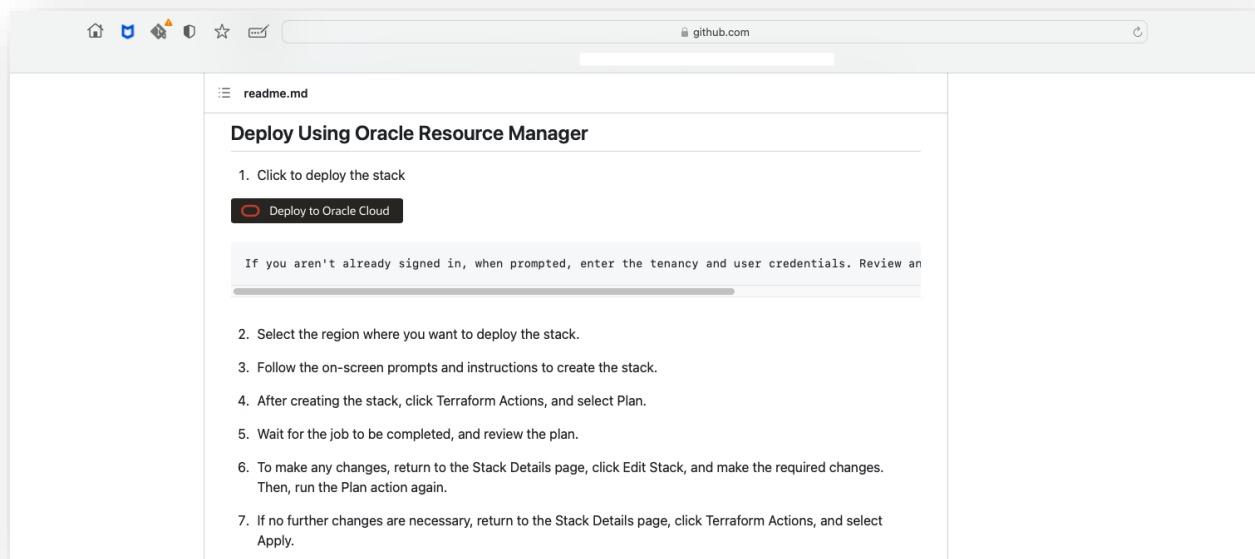
Validate all of your variable configuration entries.



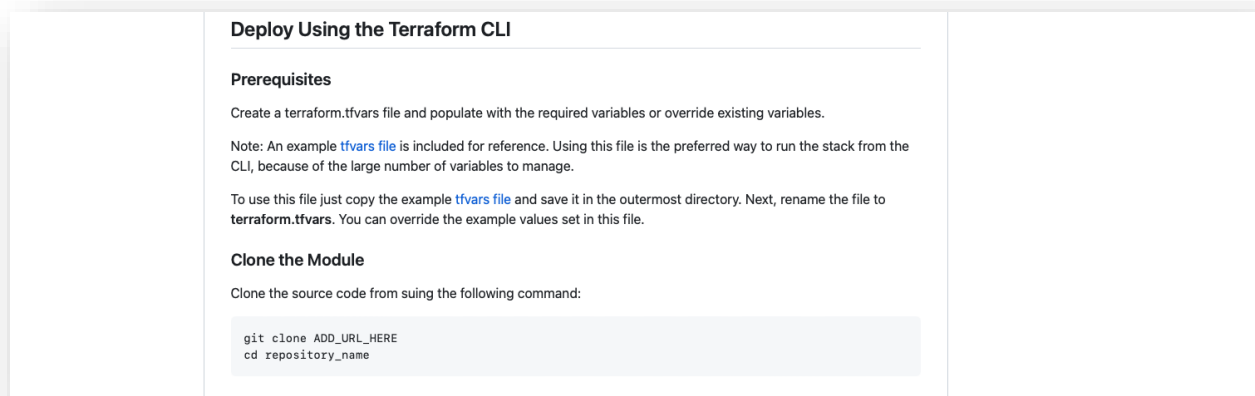
Once you have verified all of the sections, select **Create** to deploy the Landing Zone, which may take 10-15 minutes.

GitHub Deployment

You can find more information on the [SCCA Landing Zone on GitHub](#).



Alternatively, you can clone the Zip file from GitHub and use the Command Line Interface (CLI) to deploy the Landing Zone.



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