

# Oracle EMEA Landing Zones – Simplifying the Onboarding and Running of OCI

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AUGUST 2023 | v0.9



# THERE ARE TWO LANDING ZONE APPROACHES:

Standard Landing Zones

An **existing** and prescribed solution  
where **best practices** are applied.

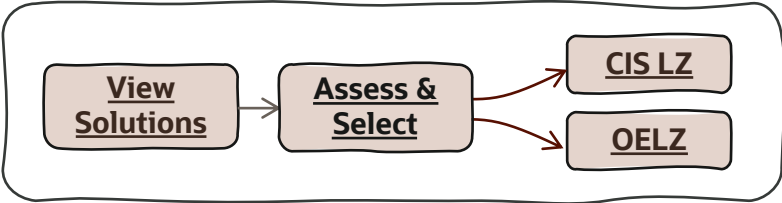
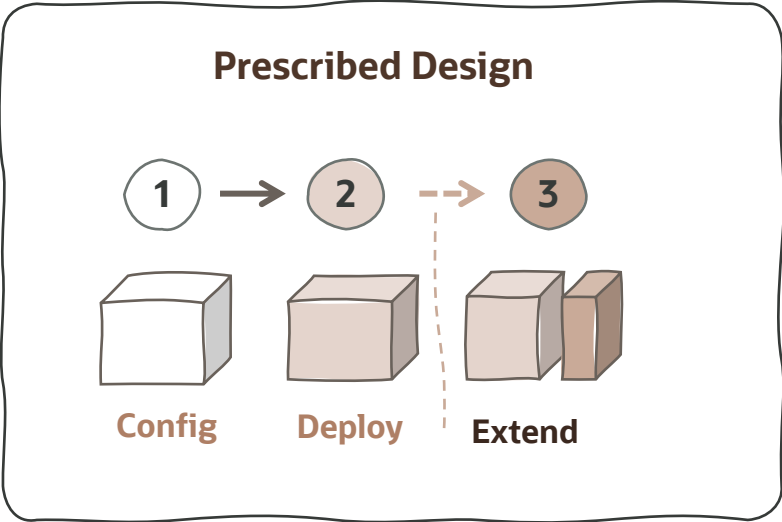
Tailored Landing Zones

A **tailored** solution to fit **specific**  
**customer requirements.**

[technology-engineering git](https://github.com/oracle-technology-engineering)

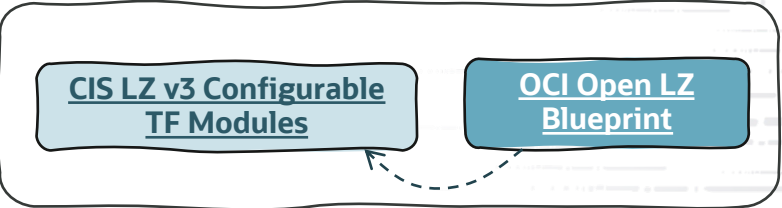
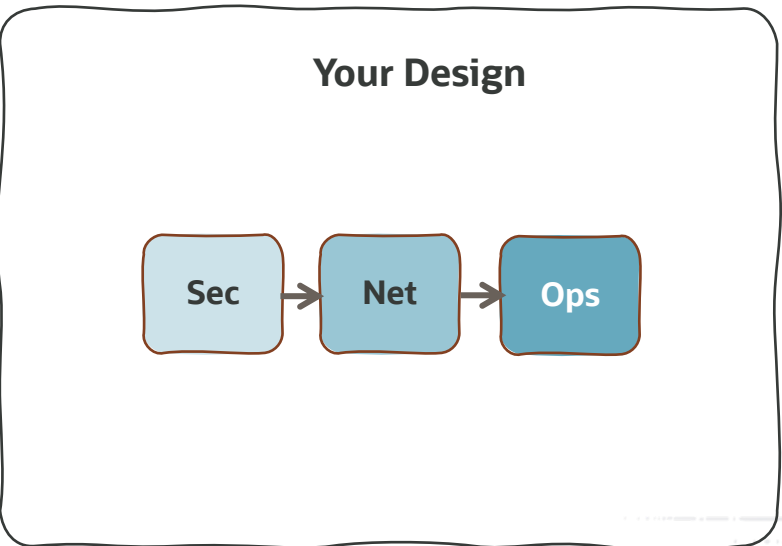
# Summary of Landing Zones Approaches, Scope, and Assets

## Standard Landing Zones [\[details\]](#)



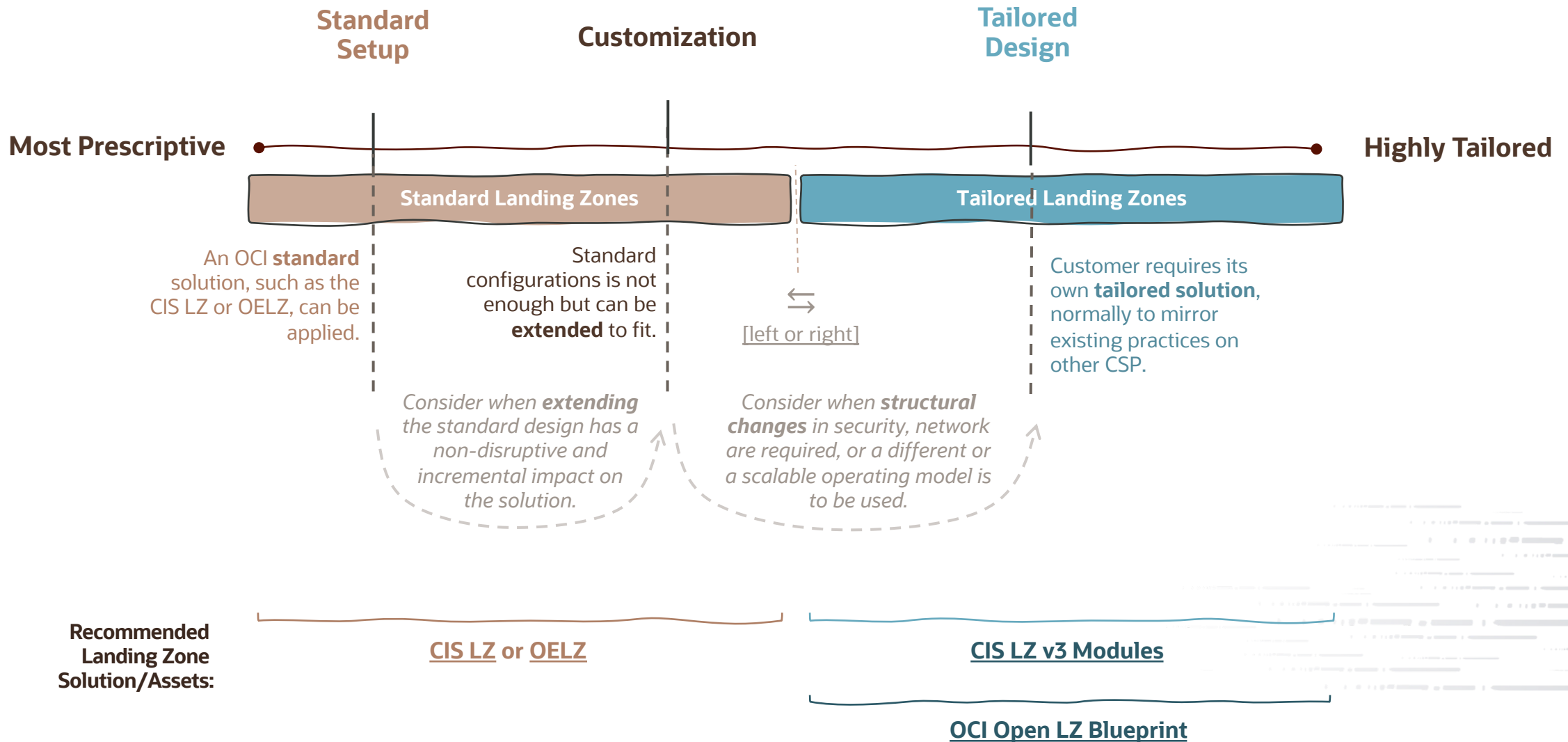
Where to Start

## Tailored Landing Zones [\[details\]](#)



Where to Start





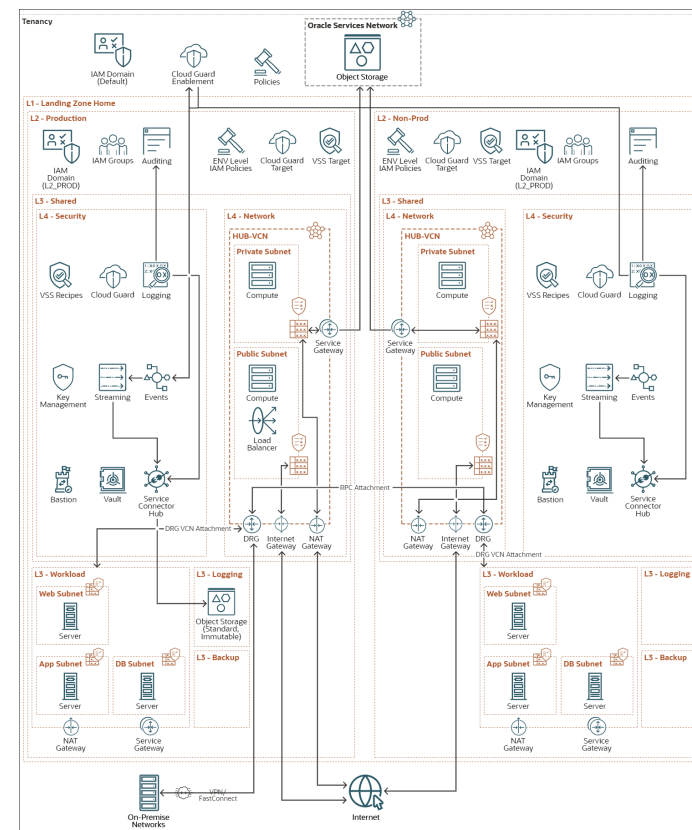
# THANKS





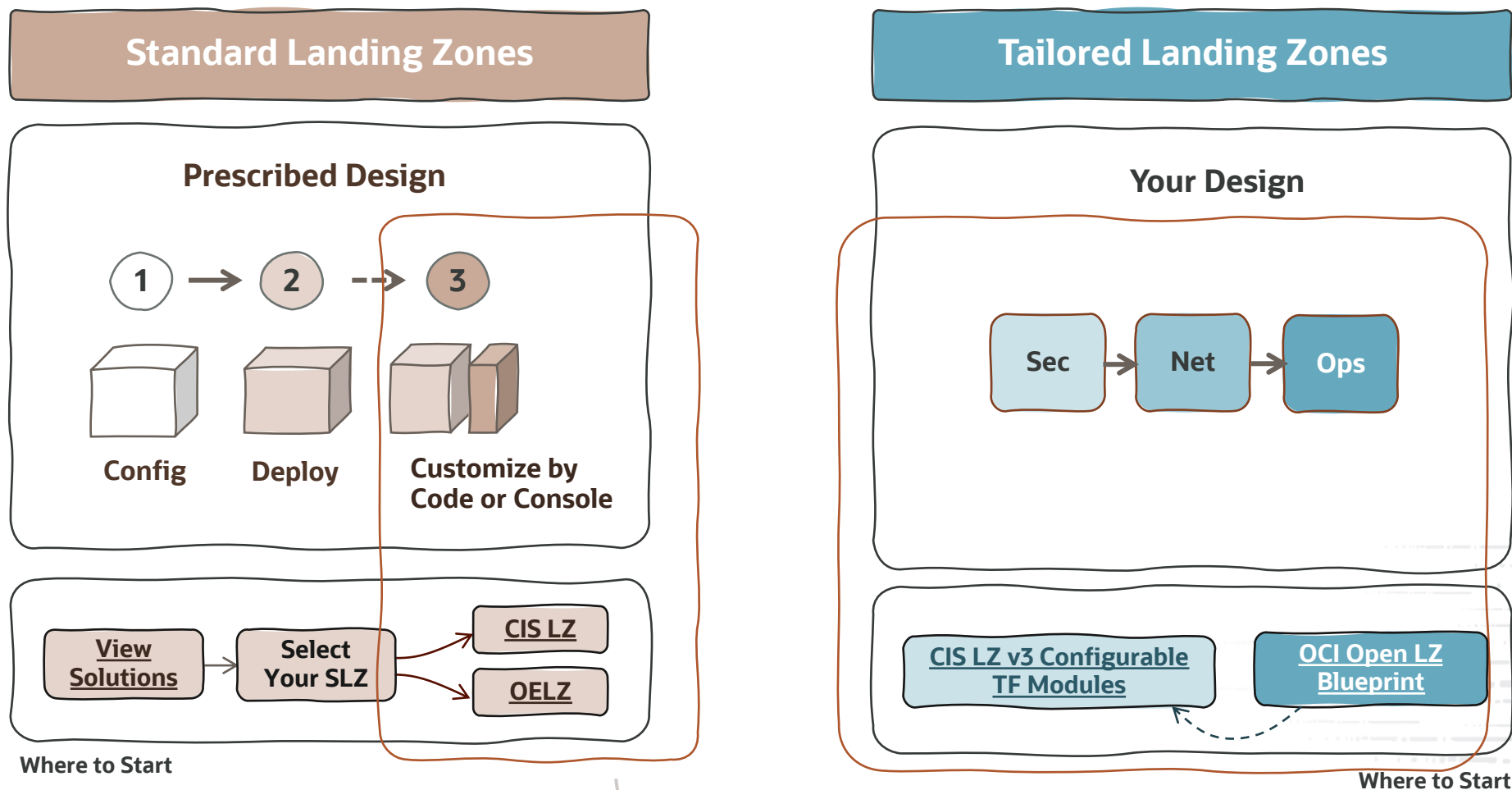
## Standard Landing Zones

## OELZ v2



# CUSTOMIZATION vs TAILORING

There are two options to create specific designs, we recommend **Tailoring**.

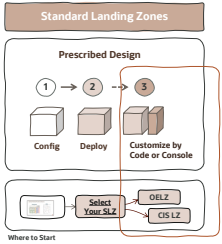


Consider **tailoring** when structural changes in security and network are required, or customer requires a new/different design.





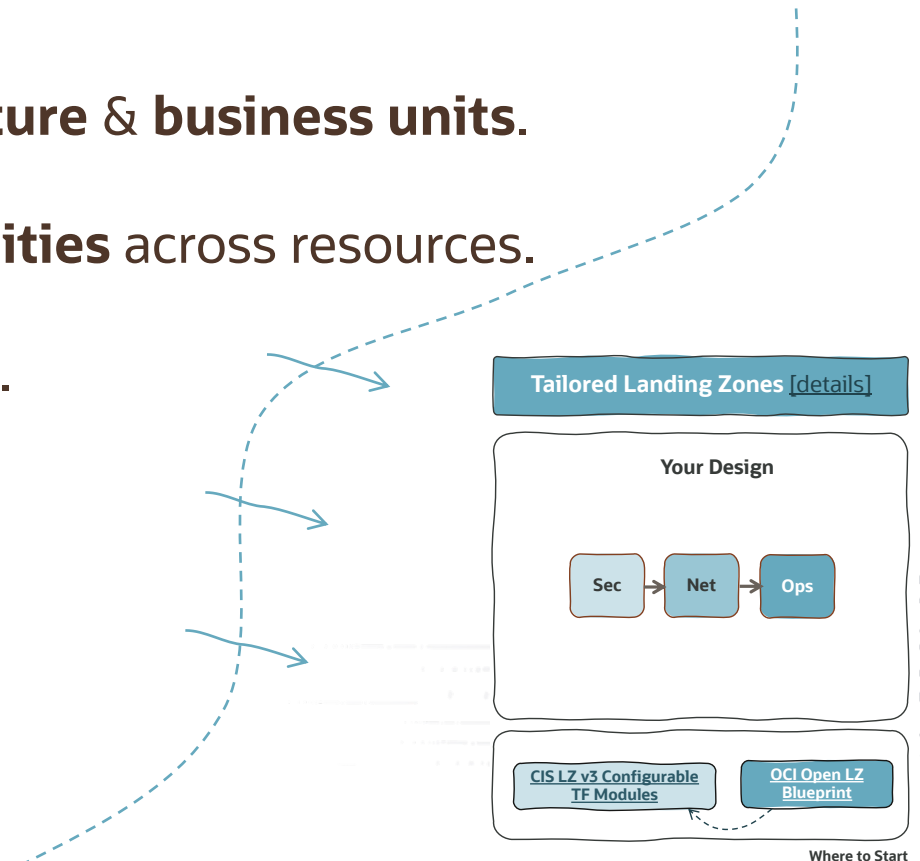
# Challenges with “Complex” Customizations



1. **Time consuming.** Changing or adapting code to create a new landing zone different than the original is complex and time consuming.
2. **Waste & Longer Time-to-Value.** The time spent on **adapting code, or recoding over and over** for the landing/core resources (compartments, groups, policies, network) is time wasted on the workloads, this means longer time to value..
3. **Skills.** Few partners have IaC Terraform coding skills, which makes these efforts a high challenge.
4. **Scaling.** Doing the changes manually work for some tactical engagements, but it will always limit the scaling and day 2. Note that CIS LZ creates 100+ OCI resources.

# When to apply a **Tailored Setup**? Or when the **Standard** might not be enough

1. 'Mirror' **existing landing zones** on other CSP.
2. Onboarding and reflecting your **organization structure & business units**.
3. Fine grained **segregation of duties** and **responsibilities** across resources.
4. Highly tuned **network design** and **security posture**.
5. Heterogeneous/Large **workloads landscape**.
6. Adopting a highly scalable **operating model**.



# Standard Customization and Tailoring differences, and Day-2 Impact

|                                   | Type 1: Standard Customization – By Console   | Type 1: Standard Customization – By Code  | Type 2: Tailored Design   |
|-----------------------------------|---|---|---|
| Approach                          | <ul style="list-style-type: none"> <li>Uses <b>ORM</b> and Deploy Solution</li> <li>Customize <b>Manually</b> on OCI Console</li> </ul>   | <ul style="list-style-type: none"> <li>Uses <b>existing Terraform modules</b> (OELZ v2 or CIS LZ v2)</li> <li>Extend existing Modules</li> <li>Create new modules</li> </ul>            | <ul style="list-style-type: none"> <li>Use <b><u>CIS Landing Zone v3 Modules</u></b></li> <li>Create <b>HCL/JSONs</b> for Security and Network Resources</li> </ul>   |
| Impact: Day 2 and Running Efforts | <ul style="list-style-type: none"> <li>Implementation time*: <b>hours/days</b></li> <li>Works for <b>one-off deployments</b></li> <li>ORM can be used to update configs</li> <li>Day 2 console driven-approach</li> </ul> | <ul style="list-style-type: none"> <li>Implementation time*: <b>weeks/months</b></li> <li><b>Higher efforts</b>, focus on coding</li> <li>Day 2 IaC-driven approach possible</li> </ul> | <ul style="list-style-type: none"> <li>Configuration time*: <b>hours/days</b></li> <li><b>Lower efforts</b>, focus on design not coding</li> <li>Ideal for ready-made Patterns / Templates</li> <li>Works for one-off deployments</li> <li>Ideal for continuous operations (gitops, change)</li> <li>Day 2 IaC-driven approach ready</li> <li>Cloud Operations teams use HCL/JSONs</li> </ul> |

## Running Tailored approach is simple – Compartments Example

```
{
  "compartments_configuration": {
    "enable_delete": "true",
    "default_parent_ocid": "ocid1.tenancy.oc1...",
    "compartments": {
      "CMP-SECURITY-KEY": {
        "name": "cmp-security",
        "description": "Shared Security Compartment",
        "parent_id": "ocid1.tenancy.oc1...",
      },
      "CMP-NETWORK-KEY": {
        "name": "cmp-network",
        "description": "Shared Network Compartment",
        "parent_id": "ocid1.tenancy.oc1...",
      }
    }
  },
},
```

[See Complete Example](#)



# CIS Landing Zone v3 brings a new generation of Terraform Modules

**[0] Overview:** <https://www.ateam-oracle.com/post/cis-landing-zone-enhanced-modules>

**[1] IAM:** <https://github.com/oracle-quickstart/terraform-oci-cis-landing-zone-iam>

**[2] Network:** <https://github.com/oracle-quickstart/terraform-oci-cis-landing-zone-networking>

**[3] Security:** <https://github.com/oracle-quickstart/terraform-oci-cis-landing-zone-security>

**[4] Governance:** <https://github.com/oracle-quickstart/terraform-oci-cis-landing-zone-governance>

**[5] Observability:** <https://github.com/oracle-quickstart/terraform-oci-cis-landing-zone-observability>