Pages /... / CD3 Automation Toolkit - End to End Process PENDING LEVEL

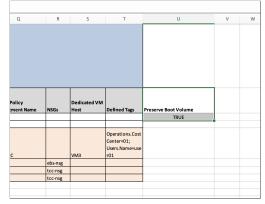
Support for Additional Attributes

Follow the below steps to add an attribute that is not present already in your Excel sheet -

- Add the attribute name to the CD3 Excel sheet (based on the resource the attribute belongs to) as given in Terraform Official Documentation.
 Uncomment the attribute in .tf files (terraform modules in outdirectory, if they are commented).
 Uncomment the attribute in Jinja template for the resource attribute. (Resource to Jinja template mapping is available here)
 Update the variable file for any additional changes like image ocids, ssh public keys, etc

Example 1: To add an attribute for Instances - (preserve_boot_volume)

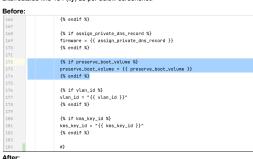
- Here is the Terraform Hashicorp documentation for instances https://registry.terraform.io/providers/oracle/oci/latest/docs/resources/core_instance
- Add an additional column preserve_boot_volume to the Instances Sheet as shown below. Optionally change the underscores to spaces for better readability.



■ Uncomment the parameter in *instances.tf* file as shown below.

```
# boot_volume_type = each.value.boot_volume_type
# isot_volume_type = each.value.boot_volume_type
# is_consistent_volume_naming_enabled = each.value.is_consistent_volume_naming_en
# network_type = each.value.network_type
# remote_data_volume_type = each.value.remote_data_volume_type
# platform_config = each.value.platform_config
# ipxe_script = each.value.ipxe_script
preserve_boot_volume = each.value.preserve_boot_volume
# assign_private_dns_record = each.value.assign_private_dns_record
# vlan_id = each.value.vlan_id
# kms_key_id = each.value.kms_key_id
       # VNIC Details
# vnic_defined_tags = each.value.vnic_defined_tags
# vnic_freeform_tags = each.value.vnic_freeform_tags
# vnic_display_name = each.value.vnic_display_name
```

■ Uncomment the parameter in cd3_automation_toolkiftCompute\templates\instance-template\templates\instance-template\tem



After {% if vlan_id %} vlan_id = "{{ vlan_id }}" {% endif %} {% if kms_key_id %} kms_key_id = "{{ kms_key_id }}" {% endif %} {% if preserve_boot_volume %}
preserve_boot_volume = {{ preserve_boot_volume }}
{% endif %}

Apart from the above changes, optionally, update the <code>instance_ssh_keys</code> and <code>instance_source_ocids</code> in your variables file before executing the toolkit to generate the auto.tfvars for instances.

Example 2: To add Freeform Tags -

Automation Tool Kit allows the tagging of resources. To use this option, the user is required to add the below column to the appropriate CD3 sheet.

 $\hbox{Ex: To Tag your Instances, Open the 'Instances' sheet of your CD3 and add the below column at the end.}\\$

Note
The Tag Values (Default and Freeform Tags) specified will apply to all the resources in the tab.

 ${\sf Ex:} \ {\sf The \ tags \ applied \ to \ VCNs \ will \ not \ be \ applied \ to \ its \ objects \ like \ IGW, \ NGW, \ SGW, \ LPG, \ etc.$

Empty column values are allowed for FreeForm and Defined Tags; when used it does not attach any tags to the resource. eg: Row 1 in the below example

Semi Colon is used as Delimiter between multiple tag values (Example as shown below)

Allowed Values for Tags include the following formats: (Semi-colon delimited values to be entered) Example:

SNo	FreeForm Tags	Defined Tags
1		
2	Network=Test1;Network2=Test40	Operations.CostCenter=01;Users.Name=user01
3	Network=Test2; Network2=Test4	Application.Env=Dev
4	Network=	OS.Version=
5	testing	Platform.Usage

• Export of new attributes is only supported if the attribute name of Terraform documentation matches that of the Python SDK. Export may fail to fetch the data incase there is a mismatch of the variable names.

Resource to Template Mapping -

Added New options for CIS compliance.

The following Table maps the Excel Sheet to the Resources to the Templates:

CD3-template.xlsx:				
Tab Name/SetUpOCI Option	Resource Name (OCI Console)	Jinja2 Template Path	Jinja2 Template Name	
Compartments Groups Policies	Identity: Compartments Groups Dynamic Groups Policies	cd3_automation_toolkit\ldentity\Compartments\templates\ cd3_automation_toolkit\ldentity\Policies\templates\ cd3_automation_toolkit\ldentity\Policies\templates\	compartments-template groups-template policies-template	
Tags	Governance: Tag Namespace	cd3_automation_toolkit\Governance\Tagging\templates	tags-namespaces-template tags-keys-template tags-defaults-template	
VCNs SubnetsDHCP RouteRulesinOCl SecRulesinOCl NSGs	Networking: Virtual Cloud Networks	cd3_automation_toolkit\Network\BaseNetwork\templates\	major-objects-drgs-template major-objects-igws-template major-objects-ngws-template major-objects-pgs-template major-objects-sgws-template major-objects-syms-template major-objects-drg-attachments-template major-objects-default-dhcp-template major-objects-default-dhcp-template subnet-template custom-dhcp-template drg-data-source-template drg-route-distribution-statement-template drg-route-distribution-template drg-route-dremplate	

Tab Name/SetUpOCI Option	Resource Name	Jinja2 Template Path	Jinja2 Template Name
rab Name/Setopool Option	(OCI Console)	Jilija2 ielipiate raul	Jilijaz Template Name
	,		drg-route-table-template
			default-route-table-template
			route-rule-template
			route-table-template
			default-seclist-template
			seclist-template
			sec-rule-template
			nsg-rule-template
			nsg-template
DedicatedVMHosts	Compute:		dedicatedvmhosts-template
Instances	Dedicated Virtual Machine Hosts	cd3_automation_toolkit\Compute\templates\	instances-template
	Instances		
BlockVolumes	Block Storage: Block Volumes	cd3_automation_toolkit\Storage\BlockVolume\templates\	blockvolumes-template
blockvolumes	Block Storage. Block Volumes	cus_automation_toolkitoitolageiblockvolumettemplatest	<u> </u>
500			fss-template
FSS	File Storage: File Systems	cd3_automation_toolkit\Storage\FileStorage\templates\	export-resource-template
			export-options-template
			mount-target-template
			lbr-template
			certificate-template
			hostname-template
			cipher-suite-template
			backend-server-template
LB-Hostname-Certs			backend-set-template
BackendSet-BackendServer			rule-set-template
RuleSet	Networking: Load Balancers	cd3_automation_toolkit\Networking\LoadBalancers\templates\	access-control-rules-template
PathRouteSet	3		access-method-rules-template
LB-Listener			http-header-rules-template
ES Elotorio.			request-response-header-rules-template
			uri-redirect-rules-template
			path-route-set-template
			path-route-rules-template
			listener-template
			Ibr-reserved-ips-template
NLB-Listeners	Networking: Network Load Balancers	cd3_automation_toolkit\Networking\LoadBalancers\templates\	nlb-template
NLB-BackendSets-BackendServers			nlb-backend-set-template
			nlb-backend-server-template
			nlb-listener-template
			nlb-reserved-ips-template
ADB	Autonomous Data Warehouse		adb-template
DBSystems-VM-BM	Autonomous Transaction Processing	cd3_automation_toolkit\Database\templates\	dbsystems-vm-bm-template
EXA-Infra	Bare Metal, VM and Exadata Infra, and	·	exa-infra-template
EXA-VMClusters	Exadata VM Clusters		exa-vmclusters-template
	Developer Services Constant With annothing	ad2 automation toolkitiDayslanarCanisasiOVEItamslatasi	
OKE	Developer Service: Oracle Kubernetes Service	cd3_automation_toolkit\DeveloperServices\OKE\templates\	cluster-template
			nodepool-template
Cloud Guard	Cloud Guard	cd3_automation_toolkit\Security\CloudGuard\templates	cloud-guard-config-template
			cloud-guard-target-template
Key Vault	Key and Vault	cd3_automation_toolkit\Security\KeyVault\templates	keys-template
			vaults-template
Logging	VCN Flow Logs	cd3_automation_toolkit\ManagementServices\Logging\templates	logging-template
	Object Storage Bucket Logs	·	
OSS	Object Storage Bucket	cd3_automation_toolkit\Storage\ObjectStorage\templates	oss-policy-template
300	Object Storage Ducket	ado_dationidition_totinage(collection) age(templates	
			oss-template
Budgets	Governance: Budget	cd3_automation_toolkit\Governance\Billing\templates	budget-alert-rule-template
			budget-template

CD3-EN-template.xlsx

Tab Name	Resource Name	Jinja2 Template Path	Jinja2 Template Name
	(OCI Console)		
Notifications	Application Integration:	cd3_automation_toolkit\ManagementServices\EventsAndNotifications\templates\	actions-template
Events	Notification	cd3_automation_toolkit\ManagementServices\Monitoring\templates\	events-template
Alarms	Events Service		notifications-topics-template
	Alarms		notifications-subscriptions-template

No labels

