v9.2_CIS Features

Below CIS Features have been included as part of Automation Toolkit. They are not part of CD3 but just included into SetUpOCI Menu:

```
0.   Validate CD3
1.   Identity
2.   Tags
3.   Network
4.   Compute
5.   Storage
6.   Database
7.   Load Balancers
8.   Management Services
9.   Developer Services
10. CIS Compliance Features
q.   Press q to quit


See example folder for sample input files


Enter your choice (specify comma separated to choose multiple choices): 10
==============================================CIS Compliance Features==============================================
1. CIS Compliance Checking Script
2. Create Key/Vault, Object Storage Bucket and enable Logging for write events to bucket
3. Create Default Budget
4. Enable Cloud Guard
q. Press q to quit
m. Press m to go back to Main Menu
Enter your choice (specify comma separated to choose multiple choices): 1,2,3,4
```

1. CIS Compliance Checking Script:

> This option provides two choices: One is to download the cis_reports.py from https://github.com/oracle-quickstart/oci-cis-landingzone-quickstart /blob/main/scripts/cis_reports.py and the other is to execute the script with the desired options. User can choose either or both. Toolkit image provides the script downloaded for the first time. User should chose to download again in case there is some update to the CIS compliance checker script.

```
---------------------------------------------CIS Compliance Checking-----------------------------------
1. Download the latest compliance checking script
2. Execute compliance checking script
q. Press q to quit
m. Press m to go back to Main Menu
Enter your choice (specify comma separated to choose multiple choices):
```

2. Create Key/Vault, Object Storage Bucket and enable Logging for write events to bucket:

> Below TF files are created:
>
> cis-osskeyvault-policy.auto.tfvars   TF variables file for allowing object storage service to use keys. This is created in Home region directory.
>
> cis-keyvault.auto.tfvars   TF variables file for creating the key/vault in the specified compartment and region. This is created under the specified region directory.
>
> cis-oss.auto.tfvars   TF variables file for creating OSS bucket using above key (instead of Oracle Managed Keys). This is also created under specified region directory.
>
> cis-oss-logging.auto.tfvars   TF variables file for enabling logging for write events of the above created bucket. This is also created under specified region directory.

3. Enable Cloud Guard

> This will enable cloud guard for tenancy from home region, create Oracle Managed detector and responder recipes. Also creates a target for root compartment with the default Oracle Managed recipes.

Below TF file is created:

cis-cloudguard.auto.tfvars   TF variables file for enabling cloud guard and creating target for root compartment.

4. Enable VCN Flow Logs

This will enable Flow logs for all the subnets mentioned in 'Subnets' tab of CD3 Excel sheet. Log group for each VCN is created under the specified compartment and all subnets are added as logs to this log group.

Below TF file is created:

cis-vcnflow-logging.auto.tfvars   TF variables file containing log group for each VCN and logs for each subnet in that VCN.