

Support for CD3 Validator

With version v9.0 we have introduced validator for Multiple VCN CIDRs in Networking Tab.

CD3 Validator helps you validate the Compartments, Groups, Policies, Network component entries, Instances, Block Volumes, FSS in your CD3 to ensure error free, smooth creation of the resources when Terraform is applied.

Below is a list of checks done by the CD3 Validator:

Tab Name	Validation/Checks
Identity	<p>This covers Compartments, Groups, Policies Tabs.</p> <ol style="list-style-type: none">1. Checks if the <i>Region</i> column contains Home Region2. Checks for mandatory columns
VCNs	<ol style="list-style-type: none">1. Checks if the Columns - <i>Region</i> and <i>Compartment</i> have <i>valid</i> entries2. Checks if the VCN Names are <i>duplicated</i> in Column - <i>VCN Name</i> for the same region.3. Validates the <i>VCN CIDRs (Single and Multiple)</i> - Checks for <i>Overlapping/Duplicate addresses</i>4. Checks the VCN CIDR ranges for host bits set.5. Checks if the Column - <i>DNS Label</i> has any <i>special characters</i>6. Checks for <i>NULL Values</i> if any in <i>all</i> the Columns that is <i>Required/Mandatory</i>7. Notifies the current <i>LPG Peering status</i> for <i>Review</i> (Also indicates the new set of peering that will be established based on the entries in CD3)
Subnets	<ol style="list-style-type: none">1. Checks if the Columns - <i>Region</i> and <i>Compartment</i> have <i>valid</i> entries2. Checks if the <i>VCN Names are part of VCN Tab</i> in Column - <i>VCN Name</i>3. Checks if the Column - <i>DNS Label</i> has any special characters or any <i>Duplicate</i> Values4. Validates the <i>Subnet CIDRs</i> - Checks for <i>Overlapping/Duplicate addresses</i>5. Checks the Subnet CIDR ranges for host bits set.6. Checks for <i>NULL Values</i> if any in <i>all</i> the Columns that is <i>Required/Mandatory</i>7. <i>Cross Validates</i> entries in <i>Subnets</i> and <i>DHCP Tabs</i> for Column - <i>DHCP Options</i>8. Checks if <i>Internet Gateways</i> and <i>Service Gateways</i> are <i>set appropriately</i>.9. <i>Cross Validates</i> entries in <i>Subnets</i> and <i>VCNs Tabs</i> for Column - <i>Subnet CIDR</i> (Checks if the Subnet CIDR belongs to / falls under the VCN CIDR as mentioned in the Subnet's Tab)
DHCP	<ol style="list-style-type: none">1. Checks if the Columns - <i>Region</i> and <i>Compartment</i> have <i>valid</i> entries2. Checks if the <i>VCN Names are part of VCN Tab</i> in Column - <i>VCN Name</i>3. Check if there is <i>value</i> for <i>Customer DNS</i> Column if the entered <i>type</i> is 'CustomDNSServer'4. Checks for <i>NULL Values</i> if any in <i>all</i> the Columns that is <i>Required/Mandatory</i>
DRGs	<ol style="list-style-type: none">1. Checks if the Columns - <i>Region</i> and <i>Compartment</i> have <i>valid</i> entries2. Checks if DRG Name entered is as per mentioned in VCNs tab3. Checks for the valid format of Attached To column and if it contains VCN Name as mentioned in VCNs Tab.4. Checks for valid format of column 'Import DRG Route Distribution Statements'5. Checks that column 'Import DRG Route Distribution Statements' cannot have any value if column 'Import DRG Route Distribution' is empty.
Instances	<ol style="list-style-type: none">1. Checks if the Columns - <i>Region</i> and <i>Compartment</i> have <i>valid</i> entries2. Checks for mandatory columns - Region, Compartment Name, Availability Domain, Display Name, Subnet Name, SSH Key Var Name, Pub Address, Source Details, Shape3. Checks if Subnet Name specified is valid as per Subnets Tab of CD34. Checks for valid values for columns - Availability Domain, Fault Domain, Source Details, Shape5. Checks if the NSG names mentioned in NSGs column are part of NSGs tab of the CD3 excel.
Block Volumes	<ol style="list-style-type: none">1. Checks if the Columns - <i>Region</i> and <i>Compartment</i> have <i>valid</i> entries2. Checks for mandatory columns Block Name, Availability Domain, Attach Type.3. Checks for valid values for columns - Availability Domain, Attach Type, Attached to Instance.4. Checks if AD mentioned in Block Volumes sheet is same as AD mentioned in Instances sheet for the instance to which block volume is to be attached.

FSS

1. Checks if the Columns - *Region* and *Compartment* have *valid* entries
2. Checks for mandatory columns - *Region, Compartment Name, Availability Domain, MountTarget Name, MountTarget SubnetName*.
3. Checks if Subnet Name specified is valid as per Subnets Tab of CD3
4. Checks if the NSG names mentioned in NSGs column are part of NSGs tab of the CD3 excel.