StratusEdge Configuration & Installation

v 1.0

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1. Installation of the Nubeva StratusEdge node is done with RESTapi calls to the controller. You can use any orchestration platform or simply python. For demonstration purposes, Postman will be used as the configuration front end. All settings for a StratusEdge are contained in the JSON configuration file.

2. Before installing the StratusEdge, lets review the JSON configuration file.

```
{
    "config":[
        {
            "id":"platform",
            "name":"dispatcher",
            "parameters":{
                "cloud":"azr",
                "netAHosts":[
                    "10.10.1.10"
                ],
                "netASubnet":{
                    "defaultGateway":"10.10.198.1",
                    "ipaddress":"10.10.198.10/24",
                    "reference":"netA"
                },
                "networkReference":"/subscriptions/2acb0abe-d00f-d00f-d00f-
19f2304d2ab6/resourceGroups/nubevapoc/providers/Microsoft.Network/virtu
alNetworks/nubevapoc-vnet",
                "outsideSubnet":{
                    "defaultGateway":"10.10.200.1",
                    "ipaddress":"10.10.200.10/24",
                    "reference":"outside"
                },
                "region":"westus2",
                "roles":{

                },
                "netBSubnet":{
                    "defaultGateway":"10.10.199.1",
                    "ipaddress":"10.10.199.10/24",
                    "reference":"netB"
                }
            }
        }
    ]
}
```

3. The "id" should remain the same

4. The "name" can be any value

5. The "cloud" will be "azr" to indicate Microsoft Azure.

6. "NetAHosts" is the list of hosts or subnets that you wish to mirror or tap. Any value in this field will have all traffic to and from the ip address copied to an external tool. Note: if using a subnet instead of a host, the subnet must reflect the exact subnet IP address, 10.10.0.0/24, 10.10.1.0/24. A CIDR block of multiple subnets will not work, i.e. 10.10.0.0/16.

7. The next 4 lines are the configuration for the transit subnets that are configured as part of the StratusEdge installation. These subnets are required to redirect traffic through the StratusEdge.

```
"netASubnet": {
  "defaultGateway": "10.10.198.1",
  "ipaddress": "10.10.198.10/24",
  "reference": "netA"
```

8. The "NetASubnet" and "reference" entry of "netA" must not change. The "defaultGateway" will always be the .1 IP address of any unused subnet in the VNet. The "ipaddress" entry can be any address in the range. There is no need to create this subnet, it will happen automatically.

9. The corresponding entry for "netBSubnet" is identical to Step 7 above.

10. The "outside" parameter is configured in the same manner as netA and netB. However, this is not a transit subnet. This is where all "tapped" traffic will be sourced from. This subnet will need external connectivity if traffic is being sent to an external location. If all traffic remains inside the VNet then no external connectivity is required.

11. The "networkReference" is the resource id of the VNet. It can be found on the properties tab of the VNet where the StratusEdge is installed.

12. The last value to set is the "region" where the resource group/VNet is configured.

1. First, the JSON configuration file for the deployment needs to be created or use the default. The default is included in the postman collections and the individual JSON file is located here.

2. Now, paste the contents on the JSON file into the body of the "Create Node" entry. Note: if you are using the default Postman configuration, this may already be present.
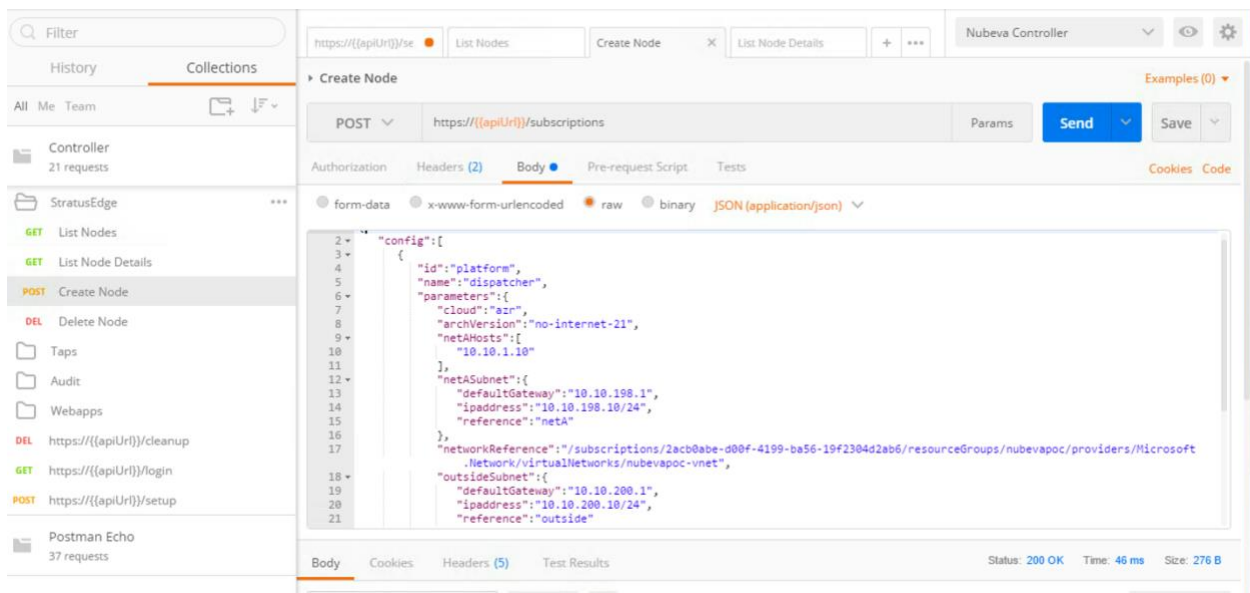
3. The output of the command should read "status": "OK" on line 2. Further on in the output, the "subscription" will be the identifier of this specific StratusEdge Node. Highlight the Subscription ID, right click in postman, and set this values as your "subid" parameter.
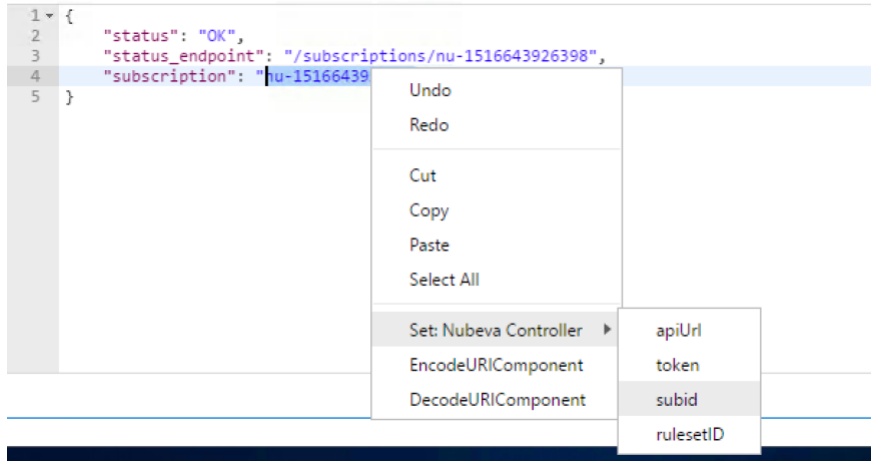
4. To see the status of the install, simply click on the "List Node Details". The installation will start with "DEPLOYING", then "INITIALIZING" and finally "LAUNCHED." When the installation is launched, it is complete and ready for the tap configuration.