Environment

- VPC1 - `us-east-1`
- VPC2 - `us-west-2`
- tower1 - `node_type` controller
- node1 (`VPC1`) - `node_type` execution `peers` node2 - `execution_node1`
- node2 (`VPC2`) - `node_type` execution - `execution_node2`
- instance group `aws_mesh` with:
  - `execution_node1`
  - `execution_node2`
- Cloud Inventory - `AWS` using `ec2` inventory plugins - `cloud_inventory`
  - Source Variables:

```
---
filters:
  tag:project: "Ansible"
keyed_groups:
  - prefix: os
    key: tags['os_type']
  - prefix: Distro
    key: tags['os_distro']
hostnames:
  - tag:inventory_name
  - dns-name
compose:
    ansible_host: private_ip_address
```

- Target group in `Cloud Inventory` - os_Linux
- Template with simple ping/gather_facts playbook - `job_template`

tried with `aws_mesh` configured on the level of:
- `cloud_inventory`
- `job_template`
- both

CLOUD CONFIGURATION

Region	N Virginia
VPC CIDR	200.196.0.0/24
Private Subnet	200.196.0.128/26

Region	N California
VPC CIDR	200.197.0.0/24
Private Subnet	200.197.0.128/26

Expectation

While calling ping `job_template` against `os_Linux` group under `cloud_inventory` all systems will respond with `pong`

Experience

While calling ping `job_template` against `os_Linux` group under `cloud_inventory` only systems in one `VPC` respond with `pong` while all in other `VPC` with fail with `error` `Failed to connect to the host via ssh: ssh: connect to host XXXXXX port 22: Connection timed out`

Request

Ability to reach all nodes in the multi-tenant inventory using `instacne group` that would have multiple `execution nodes` each capable of reaching subset of the nodes in the inventory.

Since separate inventory can be created for each group of `managed systems` that is behind execution node it would be incredibly helpful if while calling a `smart inventory` (that groups all those separate inventories into one master one), it would be possible to assign instance group to that master inventory, consisting of **all** required execution nodes needed to reach all `managed sytems` in that inventory and successfully execute automation against all those systems.

In short if inventory required using more that one `execution node` to ensure reachability and all required for that purpose `execution nodes` are present within `instance group` assigned to that inventory, controller should be able to map `execution node` to `managed nodes` and execute automation against entire inventory.