

Policy Example - I

Example 21 - Grouping nodes for anti-colocation policy application

```
tosca_definitions_version: tosca_simple_yaml_1_0

description: Template hosting requirements and placement policy.

topology_template:
  inputs:
    # omitted here for brevity
  node_templates:
    wordpress_server:
      type: tosca.nodes.WebServer
      properties:
        # omitted here for brevity
      requirements:
        - host:
            # Find a Compute node that fulfills these additional filter reqs.
            node_filter:
              capabilities:
                - host:
                    properties:
                      - mem_size: { greater_or_equal: 512 MB }
                      - disk_size: { greater_or_equal: 2 GB }
                - os:
                    properties:
                      - architecture: x86_64
                      - type: linux
    mysql:
      type: tosca.nodes.DBMS.MySQL
      properties:
        # omitted here for brevity
      requirements:
        - host:
            node: tosca.nodes.Compute
            node_filter:
              capabilities:
                - host:
                    properties:
                      - disk_size: { greater_or_equal: 1 GB }
                - os:
```

properties:

- architecture: x86_64

- type: linux

groups:

my_co_location_group:

type: toska.groups.Root

members: [wordpress_server, mysql]

policies:

- my_anti_collocation_policy:

type: my.policies.anticollocation

targets: [my_co_location_group]

For this example, specific policy definitions are considered

domain specific and are not included here