

Configuring a Routing Map

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A routing map can consist of multiple matching policies, multiple match rules and set-action actions.

Creating a matching-policy Clause

NOTE:



You should set at least one node to the **permit** mode in a routing policy; otherwise, all routes are filtered out.

The following example create a route map matching policy.

```
admin@Xorplus# set routing route-map GlobalMap order 1 matching-policy permit
admin@Xorplus# commit
```

(Optional) Configuring a match Clause

A **match** clause defines matching rules related to route filters and attributes in a routing policy.

If no **match** clause is configured for a node in a routing policy, routes match the routing policy in this node. If one or more **match** clauses are configured in a node, the relationship between the clauses is "AND". This means that a route matches this node only when they match all the **match** clauses in this node.

NOTE:



If a **match** clause defines a filter that is not configured, all routes match this **match** clause by default.

The command **set routing route-map <route-map-name> order <NUMBER> match xx** can be used to configure routing map match clause. PICOS supports most of the route filter parameters, for details about each match clause, see [Route Map Commands](#).

The following commands configure a match clause in the route map to match the community list:

```
admin@Xorplus# set routing community-list standard COMMUNITY1 permit community 100:100
admin@Xorplus# set routing route-map GlobalMap order 10 match community COMMUNITY1
admin@Xorplus# set routing route-map GlobalMap order 10 matching-policy permit
admin@Xorplus# commit
```

(Optional) Configuring a set-action Clause

A **set-action** clause specifies the action of setting attributes for routes that have matched a routing policy node. If a node does not have a **set-action** clause configured, the node will only filter routes. If one or more **set-action** clauses are configured in a node, all the **set-action** clauses are applied to routes that have matched the node.

The command **set routing route-map <route-map-name> order <NUMBER> set-action xx** can be used to configure routing map **set-action** clause. PICOS supports to set most of the several route parameters, for details about each set-action clause, see [Route Map Commands](#).

The following commands configure a match clause in the route map to match the community list and change the community value to 11:101:

```
admin@Xorplus# set routing community-list standard COMMUNITY1 permit community 100:100
admin@Xorplus# set routing route-map GlobalMap order 10 match community COMMUNITY1
admin@Xorplus# set routing route-map GlobalMap order 10 matching-policy permit
admin@Xorplus# set routing route-map GlobalMap order 10 set-action community 11:101
admin@Xorplus# commit
```

Checking the Configuration

Run the **run show routing route-map** command to check information about the route-policy.

```
admin@Xorplus# run show routing route-map
ZEBRA:
route-map: GlobalMap Invoked: 0 Optimization: disabled Processed Change: false
permit, sequence 10 Invoked 0
Match clauses:
Set clauses:
Call clause:
Action:
    Exit routemap
OSPF:
route-map: GlobalMap Invoked: 0 Optimization: disabled Processed Change: false
permit, sequence 10 Invoked 0
Match clauses:
Set clauses:
Call clause:
Action:
    Exit routemap
BGP:
route-map: GlobalMap Invoked: 0 Optimization: disabled Processed Change: false
permit, sequence 10 Invoked 0
Match clauses:
    community COMMUNITY1
Set clauses:
    community 11:101
Call clause:
Action:
    Exit routemap
```