{'0.0.0.0/0': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': '',

'preference': 0,

'protocol': 'static',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'10.0.0.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'10.0.0.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.1.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.1.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.2.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.2.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.3.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.3.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

{'192.168.5.0/24': [{'age': 0,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.3.2',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True},

{'age': 3,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

all\_routes\_info

{'0.0.0.0/0': {'0.0.0.0/0': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': '',

'preference': 0,

'protocol': 'static',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'10.0.0.0/24': {'10.0.0.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'10.0.0.1/32': {'10.0.0.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.1.0/24': {'192.168.1.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.1.1/32': {'192.168.1.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.2.0/24': {'192.168.2.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.2.1/32': {'192.168.2.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.3.0/24': {'192.168.3.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.3.1/32': {'192.168.3.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.5.0/24': {'192.168.5.0/24': [{'age': 6,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.3.2',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True},

{'age': 0,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}}

Network: 0.0.0.0/0

protocol: static

outgoing\_interface:

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop: 192.168.2.2

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 10.0.0.0/24

protocol: connected

outgoing\_interface: Loopback0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 10.0.0.1/32

protocol: connected

outgoing\_interface: Loopback0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.1.0/24

protocol: connected

outgoing\_interface: GigabitEthernet0/0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.1.1/32

protocol: connected

outgoing\_interface: GigabitEthernet0/0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.2.0/24

protocol: connected

outgoing\_interface: GigabitEthernet0/1

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.2.1/32

protocol: connected

outgoing\_interface: GigabitEthernet0/1

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.3.0/24

protocol: connected

outgoing\_interface: GigabitEthernet0/2

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.3.1/32

protocol: connected

outgoing\_interface: GigabitEthernet0/2

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Network: 192.168.5.0/24

protocol: rip

outgoing\_interface: GigabitEthernet0/2

age: 6

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop: 192.168.3.2

selected\_next\_hop: True

inactive\_reason:

preference: 1

Network: 192.168.5.0/24

protocol: rip

outgoing\_interface: GigabitEthernet0/1

age: 0

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop: 192.168.2.2

selected\_next\_hop: True

inactive\_reason:

preference: 1

OUTPUT

rigrazia@826bem002 Cisco IOS Programmability % /usr/local/bin/python3 "/Users/rigrazia/MyInformation/Cabrillo/C

ourses/Python/Networking/Cisco IOS Programmability/2 - napalm/3 - CLI-regex-parsing/1b\_regex\_show\_ip\_route\_napa

lm.py"

output: <class 'dict'>

output: {'show ip route': 'Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP\n D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area \n N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2\n E1 - OSPF external type 1, E2 - OSPF external type 2\n i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2\n ia - IS-IS inter area, \* - candidate default, U - per-user static route\n o - ODR, P - periodic downloaded static route, + - replicated route\n\nGateway of last resort is 192.168.2.2 to network 0.0.0.0\n\nS\* 0.0.0.0/0 [1/0] via 192.168.2.2\n is directly connected, Loopback0\n 10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks\nC 10.0.0.0/24 is directly connected, Loopback0\nL 10.0.0.1/32 is directly connected, Loopback0\n 192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks\nC 192.168.1.0/24 is directly connected, GigabitEthernet0/0\nL 192.168.1.1/32 is directly connected, GigabitEthernet0/0\n 192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks\nC 192.168.2.0/24 is directly connected, GigabitEthernet0/1\nL 192.168.2.1/32 is directly connected, GigabitEthernet0/1\n 192.168.3.0/24 is variably subnetted, 2 subnets, 2 masks\nC 192.168.3.0/24 is directly connected, GigabitEthernet0/2\nL 192.168.3.1/32 is directly connected, GigabitEthernet0/2\nR 192.168.5.0/24 [120/1] via 192.168.3.2, 00:00:06, GigabitEthernet0/2\n [120/1] via 192.168.2.2, 00:00:00, GigabitEthernet0/1'}

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2

i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2

ia - IS-IS inter area, \* - candidate default, U - per-user static route

o - ODR, P - periodic downloaded static route, + - replicated route

Gateway of last resort is 192.168.2.2 to network 0.0.0.0

S\* 0.0.0.0/0 [1/0] via 192.168.2.2

is directly connected, Loopback0

10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks

C 10.0.0.0/24 is directly connected, Loopback0

L 10.0.0.1/32 is directly connected, Loopback0

192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.1.0/24 is directly connected, GigabitEthernet0/0

L 192.168.1.1/32 is directly connected, GigabitEthernet0/0

192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.2.0/24 is directly connected, GigabitEthernet0/1

L 192.168.2.1/32 is directly connected, GigabitEthernet0/1

192.168.3.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.3.0/24 is directly connected, GigabitEthernet0/2

L 192.168.3.1/32 is directly connected, GigabitEthernet0/2

R 192.168.5.0/24 [120/1] via 192.168.3.2, 00:00:06, GigabitEthernet0/2

[120/1] via 192.168.2.2, 00:00:00, GigabitEthernet0/1

Complete route dictionary:

{'0.0.0.0/0': {'admin\_distance': '1',

'description': 'N/A',

'interface': '',

'metric': '0',

'next\_hop': 'N/A',

'protocol': 'S'},

'10.0.0.0/24': {'admin\_distance': '0',

'description': 'directly connected,',

'interface': 'Loopback0',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'C'},

'10.0.0.1/32': {'admin\_distance': '0',

'description': 'Local interface',

'interface': 'Loopback0',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'L'},

'192.168.1.0/24': {'admin\_distance': '0',

'description': 'directly connected,',

'interface': 'GigabitEthernet0/0',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'C'},

'192.168.1.1/32': {'admin\_distance': '0',

'description': 'Local interface',

'interface': 'GigabitEthernet0/0',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'L'},

'192.168.2.0/24': {'admin\_distance': '0',

'description': 'directly connected,',

'interface': 'GigabitEthernet0/1',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'C'},

'192.168.2.1/32': {'admin\_distance': '0',

'description': 'Local interface',

'interface': 'GigabitEthernet0/1',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'L'},

'192.168.3.0/24': {'admin\_distance': '0',

'description': 'directly connected,',

'interface': 'GigabitEthernet0/2',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'C'},

'192.168.3.1/32': {'admin\_distance': '0',

'description': 'Local interface',

'interface': 'GigabitEthernet0/2',

'metric': 'N/A',

'next\_hop': 'N/A',

'protocol': 'L'},

'192.168.5.0/24': {'admin\_distance': '120',

'description': 'N/A',

'interface': 'GigabitEthernet0/2',

'metric': '1',

'next\_hop': '192.168.3.2',

'protocol': 'R'}}

Network: 0.0.0.0/0

Protocol: S,

Administrative Distance: 1,

Metric: 0,

Next-Hop: N/A,

Description: N/A,

Exit Interface:

Network: 10.0.0.0/24

Protocol: C,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: directly connected,,

Exit Interface: Loopback0

Network: 10.0.0.1/32

Protocol: L,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: Local interface,

Exit Interface: Loopback0

Network: 192.168.1.0/24

Protocol: C,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: directly connected,,

Exit Interface: GigabitEthernet0/0

Network: 192.168.1.1/32

Protocol: L,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: Local interface,

Exit Interface: GigabitEthernet0/0

Network: 192.168.2.0/24

Protocol: C,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: directly connected,,

Exit Interface: GigabitEthernet0/1

Network: 192.168.2.1/32

Protocol: L,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: Local interface,

Exit Interface: GigabitEthernet0/1

Network: 192.168.3.0/24

Protocol: C,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: directly connected,,

Exit Interface: GigabitEthernet0/2

Network: 192.168.3.1/32

Protocol: L,

Administrative Distance: 0,

Metric: N/A,

Next-Hop: N/A,

Description: Local interface,

Exit Interface: GigabitEthernet0/2

Network: 192.168.5.0/24

Protocol: R,

Administrative Distance: 120,

Metric: 1,

Next-Hop: 192.168.3.2,

Description: N/A,

Exit Interface: GigabitEthernet0/2

for network in route\_dictionary.keys():

{'0.0.0.0/0': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': '',

'preference': 0,

'protocol': 'static',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'10.0.0.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'10.0.0.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.1.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.1.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.2.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.2.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.3.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.3.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

for network in route\_dictionary.keys():

{'192.168.5.0/24': [{'age': 8,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.3.2',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True},

{'age': 2,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}

Complete Route Information for All Networks:

{'0.0.0.0/0': {'0.0.0.0/0': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': '',

'preference': 0,

'protocol': 'static',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'10.0.0.0/24': {'10.0.0.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'10.0.0.1/32': {'10.0.0.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'Loopback0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.1.0/24': {'192.168.1.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.1.1/32': {'192.168.1.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/0',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.2.0/24': {'192.168.2.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.2.1/32': {'192.168.2.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.3.0/24': {'192.168.3.0/24': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.3.1/32': {'192.168.3.1/32': [{'age': '',

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 0,

'protocol': 'connected',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]},

'192.168.5.0/24': {'192.168.5.0/24': [{'age': 8,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.3.2',

'outgoing\_interface': 'GigabitEthernet0/2',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True},

{'age': 2,

'current\_active': True,

'inactive\_reason': '',

'last\_active': True,

'next\_hop': '192.168.2.2',

'outgoing\_interface': 'GigabitEthernet0/1',

'preference': 1,

'protocol': 'rip',

'protocol\_attributes': {},

'routing\_table': 'default',

'selected\_next\_hop': True}]}}

ALL\_ROUTES\_INFO[NETWORK]: {'0.0.0.0/0': [{'protocol': 'static', 'outgoing\_interface': '', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '192.168.2.2', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 0.0.0.0/0

protocol: static

outgoing\_interface:

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop: 192.168.2.2

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface:

ALL\_ROUTES\_INFO[NETWORK]: {'10.0.0.0/24': [{'protocol': 'connected', 'outgoing\_interface': 'Loopback0', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 10.0.0.0/24

protocol: connected

outgoing\_interface: Loopback0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: Loopback0

ALL\_ROUTES\_INFO[NETWORK]: {'10.0.0.1/32': [{'protocol': 'connected', 'outgoing\_interface': 'Loopback0', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 10.0.0.1/32

protocol: connected

outgoing\_interface: Loopback0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: Loopback0

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.1.0/24': [{'protocol': 'connected', 'outgoing\_interface': 'GigabitEthernet0/0', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 192.168.1.0/24

protocol: connected

outgoing\_interface: GigabitEthernet0/0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: GigabitEthernet0/0

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.1.1/32': [{'protocol': 'connected', 'outgoing\_interface': 'GigabitEthernet0/0', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 192.168.1.1/32

protocol: connected

outgoing\_interface: GigabitEthernet0/0

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: GigabitEthernet0/0

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.2.0/24': [{'protocol': 'connected', 'outgoing\_interface': 'GigabitEthernet0/1', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 192.168.2.0/24

protocol: connected

outgoing\_interface: GigabitEthernet0/1

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: GigabitEthernet0/1

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.2.1/32': [{'protocol': 'connected', 'outgoing\_interface': 'GigabitEthernet0/1', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 192.168.2.1/32

protocol: connected

outgoing\_interface: GigabitEthernet0/1

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: GigabitEthernet0/1

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.3.0/24': [{'protocol': 'connected', 'outgoing\_interface': 'GigabitEthernet0/2', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 192.168.3.0/24

protocol: connected

outgoing\_interface: GigabitEthernet0/2

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: GigabitEthernet0/2

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.3.1/32': [{'protocol': 'connected', 'outgoing\_interface': 'GigabitEthernet0/2', 'age': '', 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 0}]}

Network: 192.168.3.1/32

protocol: connected

outgoing\_interface: GigabitEthernet0/2

age:

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop:

selected\_next\_hop: True

inactive\_reason:

preference: 0

Specific detail - Outgoing Interface: GigabitEthernet0/2

ALL\_ROUTES\_INFO[NETWORK]: {'192.168.5.0/24': [{'protocol': 'rip', 'outgoing\_interface': 'GigabitEthernet0/2', 'age': 8, 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '192.168.3.2', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 1}, {'protocol': 'rip', 'outgoing\_interface': 'GigabitEthernet0/1', 'age': 2, 'current\_active': True, 'routing\_table': 'default', 'last\_active': True, 'protocol\_attributes': {}, 'next\_hop': '192.168.2.2', 'selected\_next\_hop': True, 'inactive\_reason': '', 'preference': 1}]}

Network: 192.168.5.0/24

protocol: rip

outgoing\_interface: GigabitEthernet0/2

age: 8

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop: 192.168.3.2

selected\_next\_hop: True

inactive\_reason:

preference: 1

Specific detail - Outgoing Interface: GigabitEthernet0/2

Network: 192.168.5.0/24

protocol: rip

outgoing\_interface: GigabitEthernet0/1

age: 2

current\_active: True

routing\_table: default

last\_active: True

protocol\_attributes: {}

next\_hop: 192.168.2.2

selected\_next\_hop: True

inactive\_reason:

preference: 1

Specific detail - Outgoing Interface: GigabitEthernet0/1