

dist-sw01 show ip route vrf all

```
{

  "vrf": {

    "default": {

      "address_family": {

        "ipv4": {

          "routes": {

            "172.16.101.0/24": {

              "active": true,

              "attached": true,

              "mbest": 0,

              "metric": 0,

              "next_hop": {

                "next_hop_list": {

                  "1": {

                    "best_ucast_nexthop": true,

                    "index": 1,

                    "metric": 0,

                    "next_hop": "172.16.101.2",

                    "outgoing_interface": "Vlan101",

                    "route_preference": 0,

                    "source_protocol": "direct",

                    "updated": "02:48:21"

                  }

                }

              }

            }

          }

        },

      }

    }

  }
```

```
"route": "172.16.101.0/24",

"route_preference": 0,

"source_protocol": "direct",

"ubest": 1

},

"172.16.101.1/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.101.1",

        "outgoing_interface": "Vlan101",

        "route_preference": 0,

        "source_protocol": "hsrp",

        "updated": "02:48:00"

      }

    }

  },

  "route": "172.16.101.1/32",

  "route_preference": 0,
```

```
"source_protocol": "hsrp",

"ubest": 1

},

"172.16.101.2/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.101.2",

        "outgoing_interface": "Vlan101",

        "route_preference": 0,

        "source_protocol": "local",

        "updated": "02:48:21"

      }

    }

  },

  "route": "172.16.101.2/32",

  "route_preference": 0,

  "source_protocol": "local",

  "ubest": 1
```

```
},

"172.16.102.0/24": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.102.2",

        "outgoing_interface": "Vlan102",

        "route_preference": 0,

        "source_protocol": "direct",

        "updated": "02:17:28"

      }

    }

  },

  "route": "172.16.102.0/24",

  "route_preference": 0,

  "source_protocol": "direct",

  "ubest": 1

},

"172.16.102.1/32": {
```

```
"active": true,

"attached": true,

"mbest": 0,

"metric": 0,

"next_hop": {

  "next_hop_list": {

    "1": {

      "best_ucast_nexthop": true,

      "index": 1,

      "metric": 0,

      "next_hop": "172.16.102.1",

      "outgoing_interface": "Vlan102",

      "route_preference": 0,

      "source_protocol": "hsrp",

      "updated": "02:17:07"

    }

  }

},

"route": "172.16.102.1/32",

"route_preference": 0,

"source_protocol": "hsrp",

"ubest": 1

},

"172.16.102.2/32": {

  "active": true,

  "attached": true,
```

```
"mbest": 0,

"metric": 0,

"next_hop": {

  "next_hop_list": {

    "1": {

      "best_ucastnexthop": true,

      "index": 1,

      "metric": 0,

      "next_hop": "172.16.102.2",

      "outgoing_interface": "Vlan102",

      "route_preference": 0,

      "source_protocol": "local",

      "updated": "02:17:28"

    }

  }

},

"route": "172.16.102.2/32",

"route_preference": 0,

"source_protocol": "local",

"ubest": 1

},

"172.16.103.0/24": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,
```

```
"next_hop": {

  "next_hop_list": {

    "1": {

      "best_ucastnexthop": true,

      "index": 1,

      "metric": 0,

      "next_hop": "172.16.103.2",

      "outgoing_interface": "Vlan103",

      "route_preference": 0,

      "source_protocol": "direct",

      "updated": "02:17:27"

    }

  }

},

"route": "172.16.103.0/24",

"route_preference": 0,

"source_protocol": "direct",

"ubest": 1

},

"172.16.103.1/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {
```

```
"1": {

    "best_ucast_nexthop": true,

    "index": 1,

    "metric": 0,

    "next_hop": "172.16.103.1",

    "outgoing_interface": "Vlan103",

    "route_preference": 0,

    "source_protocol": "hsrp",

    "updated": "02:16:45"

}

},

"route": "172.16.103.1/32",

"route_preference": 0,

"source_protocol": "hsrp",

"ubest": 1

},

"172.16.103.2/32": {

    "active": true,

    "attached": true,

    "mbest": 0,

    "metric": 0,

    "next_hop": {

        "next_hop_list": {

            "1": {

                "best_ucast_nexthop": true,
```



```
    "index": 1,

    "metric": 0,

    "next_hop": "172.16.103.2",

    "outgoing_interface": "Vlan103",

    "route_preference": 0,

    "source_protocol": "local",

    "updated": "02:17:27"

  }

}

},

"route": "172.16.103.2/32",

"route_preference": 0,

"source_protocol": "local",

"ubest": 1

},

"172.16.104.0/24": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,
```

```
    "next_hop": "172.16.104.2",

    "outgoing_interface": "Vlan104",

    "route_preference": 0,

    "source_protocol": "direct",

    "updated": "02:17:27"

  }

}

},

"route": "172.16.104.0/24",

"route_preference": 0,

"source_protocol": "direct",

"ubest": 1

},

"172.16.104.1/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.104.1",

        "outgoing_interface": "Vlan104",
```

```
    "route_preference": 0,

    "source_protocol": "hsrp",

    "updated": "02:16:45"

  }

}

},

"route": "172.16.104.1/32",

"route_preference": 0,

"source_protocol": "hsrp",

"ubest": 1

},

"172.16.104.2/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.104.2",

        "outgoing_interface": "Vlan104",

        "route_preference": 0,

        "source_protocol": "local",
```

```
      "updated": "02:17:27"

    }

  }

},

"route": "172.16.104.2/32",

"route_preference": 0,

"source_protocol": "local",

"ubest": 1

},

"172.16.105.0/24": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.105.2",

        "outgoing_interface": "Vlan105",

        "route_preference": 0,

        "source_protocol": "direct",

        "updated": "02:17:27"

      }

    }

  }

}
```

```
    }

  },

  "route": "172.16.105.0/24",

  "route_preference": 0,

  "source_protocol": "direct",

  "ubest": 1

},

"172.16.105.1/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.105.1",

        "outgoing_interface": "Vlan105",

        "route_preference": 0,

        "source_protocol": "hsrp",

        "updated": "02:16:45"

      }

    }

  },

}
```

```
"route": "172.16.105.1/32",

"route_preference": 0,

"source_protocol": "hsrp",

"ubest": 1

},

"172.16.105.2/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.105.2",

        "outgoing_interface": "Vlan105",

        "route_preference": 0,

        "source_protocol": "local",

        "updated": "02:17:27"

      }

    }

  },

  "route": "172.16.105.2/32",

  "route_preference": 0,
```

```
"source_protocol": "local",

"ubest": 1

},

"172.16.252.0/30": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.252.1",

        "outgoing_interface": "Ethernet1/3",

        "route_preference": 0,

        "source_protocol": "direct",

        "updated": "02:48:23"

      }

    }

  },

  "route": "172.16.252.0/30",

  "route_preference": 0,

  "source_protocol": "direct",

  "ubest": 1
```

```
},

"172.16.252.1/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.252.1",

        "outgoing_interface": "Ethernet1/3",

        "route_preference": 0,

        "source_protocol": "local",

        "updated": "02:48:23"

      }

    }

  },

  "route": "172.16.252.1/32",

  "route_preference": 0,

  "source_protocol": "local",

  "ubest": 1

},

"172.16.252.12/30": {
```



```
"active": true,

"mbest": 0,

"metric": 41,

"next_hop": {

  "next_hop_list": {

    "1": {

      "best_ucastnexthop": true,

      "index": 1,

      "metric": 41,

      "next_hop": "172.16.252.6",

      "outgoing_interface": "Ethernet1/4",

      "route_preference": 110,

      "source_protocol": "ospf",

      "source_protocol_status": "intra",

      "updated": "02:48:11"

    }

  }

},

"process_id": "1",

"route": "172.16.252.12/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 1

},

"172.16.252.16/30": {
```

```
"active": true,

"mbest": 0,

"metric": 41,

"next_hop": {

  "next_hop_list": {

    "1": {

      "best_ucastnexthop": true,

      "index": 1,

      "metric": 41,

      "next_hop": "172.16.252.2",

      "outgoing_interface": "Ethernet1/3",

      "route_preference": 110,

      "source_protocol": "ospf",

      "source_protocol_status": "intra",

      "updated": "02:48:11"

    },

    "2": {

      "best_ucastnexthop": true,

      "index": 2,

      "metric": 41,

      "next_hop": "172.16.252.6",

      "outgoing_interface": "Ethernet1/4",

      "route_preference": 110,

      "source_protocol": "ospf",

      "source_protocol_status": "intra",

      "updated": "02:48:11"
```

```
    }

  }

},

"process_id": "1",

"route": "172.16.252.16/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 2

},

"172.16.252.20/30": {

  "active": true,

  "mbest": 0,

  "metric": 41,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 41,

        "next_hop": "172.16.252.2",

        "outgoing_interface": "Ethernet1/3",

        "route_preference": 110,

        "source_protocol": "ospf",

        "source_protocol_status": "intra",

        "updated": "02:48:14"
```

```
    }

  }

},

"process_id": "1",

"route": "172.16.252.20/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 1

},

"172.16.252.24/30": {

  "active": true,

  "mbest": 0,

  "metric": 41,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 41,

        "next_hop": "172.16.252.2",

        "outgoing_interface": "Ethernet1/3",

        "route_preference": 110,

        "source_protocol": "ospf",

        "source_protocol_status": "intra",

        "updated": "02:48:14"
```

```
    }

  }

},

"process_id": "1",

"route": "172.16.252.24/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 1

},

"172.16.252.28/30": {

  "active": true,

  "mbest": 0,

  "metric": 41,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 41,

        "next_hop": "172.16.252.6",

        "outgoing_interface": "Ethernet1/4",

        "route_preference": 110,

        "source_protocol": "ospf",

        "source_protocol_status": "intra",

        "updated": "02:48:11"
```

```
    }

  }

},

"process_id": "1",

"route": "172.16.252.28/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 1

},

"172.16.252.32/30": {

  "active": true,

  "mbest": 0,

  "metric": 41,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucastnexthop": true,

        "index": 1,

        "metric": 41,

        "next_hop": "172.16.252.6",

        "outgoing_interface": "Ethernet1/4",

        "route_preference": 110,

        "source_protocol": "ospf",

        "source_protocol_status": "intra",

        "updated": "02:48:11"
```

```
    }

  }

},

"process_id": "1",

"route": "172.16.252.32/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 1

},

"172.16.252.4/30": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.252.5",

        "outgoing_interface": "Ethernet1/4",

        "route_preference": 0,

        "source_protocol": "direct",

        "updated": "02:48:23"
```

```
    }

  }

},

"route": "172.16.252.4/30",

"route_preference": 0,

"source_protocol": "direct",

"ubest": 1

},

"172.16.252.5/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "172.16.252.5",

        "outgoing_interface": "Ethernet1/4",

        "route_preference": 0,

        "source_protocol": "local",

        "updated": "02:48:23"

      }

    }

  }

}
```



```
    },

    "route": "172.16.252.5/32",

    "route_preference": 0,

    "source_protocol": "local",

    "ubest": 1

  },

  "172.16.252.8/30": {

    "active": true,

    "mbest": 0,

    "metric": 41,

    "next_hop": {

      "next_hop_list": {

        "1": {

          "best_ucast_nexthop": true,

          "index": 1,

          "metric": 41,

          "next_hop": "172.16.252.2",

          "outgoing_interface": "Ethernet1/3",

          "route_preference": 110,

          "source_protocol": "ospf",

          "source_protocol_status": "intra",

          "updated": "02:48:14"

        }

      }

    },

    "process_id": "1",
```

```
"route": "172.16.252.8/30",

"route_preference": 110,

"source_protocol": "ospf",

"source_protocol_status": "intra",

"ubest": 1

}

}

}

},
```

```
"management": {

"address_family": {

"ipv4": {

"routes": {

"0.0.0.0/0": {

"active": true,

"mbest": 0,

"metric": 0,

"next_hop": {

"next_hop_list": {

"1": {

"best_ucast_nexthop": true,

"index": 1,

"metric": 0,

"next_hop": "10.10.20.254",

"route_preference": 1,
```

```
    "source_protocol": "static",

    "updated": "02:42:21"

  }

}

},

"route": "0.0.0.0/0",

"route_preference": 1,

"source_protocol": "static",

"ubest": 1

},

"10.10.20.0/24": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "10.10.20.177",

        "outgoing_interface": "mgmt0",

        "route_preference": 0,

        "source_protocol": "direct",

        "updated": "02:48:19"
```

```
    }

  }

},

"route": "10.10.20.0/24",

"route_preference": 0,

"source_protocol": "direct",

"ubest": 1

},

"10.10.20.177/32": {

  "active": true,

  "attached": true,

  "mbest": 0,

  "metric": 0,

  "next_hop": {

    "next_hop_list": {

      "1": {

        "best_ucast_nexthop": true,

        "index": 1,

        "metric": 0,

        "next_hop": "10.10.20.177",

        "outgoing_interface": "mgmt0",

        "route_preference": 0,

        "source_protocol": "local",

        "updated": "02:48:19"

      }

    }

  }

}
```

},

"route": "10.10.20.177/32",

"route_preference": 0,

"source_protocol": "local",

"ubest": 1

}

}

}

}

}

}

}