

```
{

"feature_ospf": true,

"vrf": {

"default": {

"address_family": {

"ipv4": {

"instance": {

"1": {

"areas": {

"0.0.0.0": {

"area_id": "0.0.0.0",

"area_type": "normal",

"database": {

"lsa_types": {

"1": {

"lsa_type": 1,

"lsas": {

"172.16.101.2 172.16.101.2": {

"adv_router": "172.16.101.2",

"lsa_id": "172.16.101.2",

"ospfv2": {

"body": {

"router": {

"links": {

"172.16.101.0": {
```

```
"link_data": "255.255.255.0",
```

```
"link_id": "172.16.101.0",
```

```
"topologies": {
```

```
  "0": {
```

```
    "metric": 40,
```

```
    "mt_id": 0
```

```
  }
```

```
},
```

```
"type": "stub network"
```

```
},
```

```
"172.16.102.0": {
```

```
  "link_data": "255.255.255.0",
```

```
  "link_id": "172.16.102.0",
```

```
  "topologies": {
```

```
    "0": {
```

```
      "metric": 40,
```

```
      "mt_id": 0
```

```
    }
```

```
  },
```

```
  "type": "stub network"
```

```
},
```

```
"172.16.103.0": {
```

```
  "link_data": "255.255.255.0",
```

```
  "link_id": "172.16.103.0",
```

```
  "topologies": {
```

```
    "0": {
```

```
        "metric": 40,

        "mt_id": 0

    }

},

"type": "stub network"

},

"172.16.104.0": {

    "link_data": "255.255.255.0",

    "link_id": "172.16.104.0",

    "topologies": {

        "0": {

            "metric": 40,

            "mt_id": 0

        }

    },

    "type": "stub network"

},

"172.16.105.0": {

    "link_data": "255.255.255.0",

    "link_id": "172.16.105.0",

    "topologies": {

        "0": {

            "metric": 40,

            "mt_id": 0

        }

    },
```

```
"type": "stub network"

},

"172.16.252.2": {

  "link_data": "172.16.252.1",

  "link_id": "172.16.252.2",

  "topologies": {

    "0": {

      "metric": 40,

      "mt_id": 0

    }

  },

  "type": "transit network"

},

"172.16.252.6": {

  "link_data": "172.16.252.5",

  "link_id": "172.16.252.6",

  "topologies": {

    "0": {

      "metric": 40,

      "mt_id": 0

    }

  },

  "type": "transit network"

}

},

"num_of_links": 7
```

```
    }

  },

  "header": {

    "adv_router": "172.16.101.2",

    "age": 267,

    "checksum": "0xb927",

    "length": 108,

    "lsa_id": "172.16.101.2",

    "option": "0x2",

    "seq_num": "0x8000000a",

    "type": 1

  }

}

},

"172.16.101.3 172.16.101.3": {

  "adv_router": "172.16.101.3",

  "lsa_id": "172.16.101.3",

  "ospfv2": {

    "body": {

      "router": {

        "links": {

          "172.16.101.0": {

            "link_data": "255.255.255.0",

            "link_id": "172.16.101.0",

            "topologies": {

              "0": {
```

```
        "metric": 40,

        "mt_id": 0

    }

},

"type": "stub network"

},

"172.16.102.0": {

    "link_data": "255.255.255.0",

    "link_id": "172.16.102.0",

    "topologies": {

        "0": {

            "metric": 40,

            "mt_id": 0

        }

    },

    "type": "stub network"

},

"172.16.103.0": {

    "link_data": "255.255.255.0",

    "link_id": "172.16.103.0",

    "topologies": {

        "0": {

            "metric": 40,

            "mt_id": 0

        }

    },
```

```
"type": "stub network"

},

"172.16.104.0": {

  "link_data": "255.255.255.0",

  "link_id": "172.16.104.0",

  "topologies": {

    "0": {

      "metric": 40,

      "mt_id": 0

    }

  },

  "type": "stub network"

},

"172.16.105.0": {

  "link_data": "255.255.255.0",

  "link_id": "172.16.105.0",

  "topologies": {

    "0": {

      "metric": 40,

      "mt_id": 0

    }

  },

  "type": "stub network"

},

"172.16.252.10": {

  "link_data": "172.16.252.9",
```

```
"link_id": "172.16.252.10",

"topologies": {

  "0": {

    "metric": 40,

    "mt_id": 0

  }

},

"type": "transit network"

},

"172.16.252.14": {

  "link_data": "172.16.252.13",

  "link_id": "172.16.252.14",

  "topologies": {

    "0": {

      "metric": 40,

      "mt_id": 0

    }

  },

  "type": "transit network"

}

},

"num_of_links": 7

}

},

"header": {

  "adv_router": "172.16.101.3",
```



```
    "age": 272,

    "checksum": "0xe9d3",

    "length": 108,

    "lsa_id": "172.16.101.3",

    "option": "0x2",

    "seq_num": "0x8000000b",

    "type": 1

  }

}

},

"172.16.252.25 172.16.252.25": {

  "adv_router": "172.16.252.25",

  "lsa_id": "172.16.252.25",

  "ospfv2": {

    "body": {

      "router": {

        "links": {

          "172.16.252.10": {

            "link_data": "172.16.252.10",

            "link_id": "172.16.252.10",

            "topologies": {

              "0": {

                "metric": 1,

                "mt_id": 0

              }

            },

          },

        },

      },

    },

  },

}
```

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"type": "transit network"

},

"172.16.252.18": {

  "link_data": "172.16.252.17",

  "link_id": "172.16.252.18",

  "topologies": {

    "0": {

      "metric": 1,

      "mt_id": 0

    }

  },

  "type": "transit network"

},

"172.16.252.2": {

  "link_data": "172.16.252.2",

  "link_id": "172.16.252.2",

  "topologies": {

    "0": {

      "metric": 1,

      "mt_id": 0

    }

  },

  "type": "transit network"

},

"172.16.252.20": {

  "link_data": "255.255.255.252",
```

```
"link_id": "172.16.252.20",

"topologies": {

  "0": {

    "metric": 1,

    "mt_id": 0

  }

},

"type": "stub network"

},

"172.16.252.24": {

  "link_data": "255.255.255.252",

  "link_id": "172.16.252.24",

  "topologies": {

    "0": {

      "metric": 1,

      "mt_id": 0

    }

  },

  "type": "stub network"

}

},

"num_of_links": 5

}

},

"header": {

  "adv_router": "172.16.252.25",
```

```
    "age": 1543,

    "checksum": "0xe526",

    "length": 84,

    "lsa_id": "172.16.252.25",

    "option": "0x22",

    "seq_num": "0x80000011",

    "type": 1

  }

}

},

"172.16.252.33 172.16.252.33": {

  "adv_router": "172.16.252.33",

  "lsa_id": "172.16.252.33",

  "ospfv2": {

    "body": {

      "router": {

        "links": {

          "172.16.252.14": {

            "link_data": "172.16.252.14",

            "link_id": "172.16.252.14",

            "topologies": {

              "0": {

                "metric": 1,

                "mt_id": 0

              }

            },

          },

        },

      },

    },

  },

}
```

```
"type": "transit network"

},

"172.16.252.18": {

  "link_data": "172.16.252.18",

  "link_id": "172.16.252.18",

  "topologies": {

    "0": {

      "metric": 1,

      "mt_id": 0

    }

  },

  "type": "transit network"

},

"172.16.252.28": {

  "link_data": "255.255.255.252",

  "link_id": "172.16.252.28",

  "topologies": {

    "0": {

      "metric": 1,

      "mt_id": 0

    }

  },

  "type": "stub network"

},

"172.16.252.32": {

  "link_data": "255.255.255.252",
```

```
"link_id": "172.16.252.32",

"topologies": {

  "0": {

    "metric": 1,

    "mt_id": 0

  }

},

"type": "stub network"

},

"172.16.252.6": {

  "link_data": "172.16.252.6",

  "link_id": "172.16.252.6",

  "topologies": {

    "0": {

      "metric": 1,

      "mt_id": 0

    }

  },

  "type": "transit network"

}

},

"num_of_links": 5

}

},

"header": {

  "adv_router": "172.16.252.33",
```

```
    "age": 1505,

    "checksum": "0xa03e",

    "length": 84,

    "lsa_id": "172.16.252.33",

    "option": "0x22",

    "seq_num": "0x8000000d",

    "type": 1

  }

}

}

},

"2": {

  "lsa_type": 2,

  "lsas": {

    "172.16.252.10 172.16.252.25": {

      "adv_router": "172.16.252.25",

      "lsa_id": "172.16.252.10",

      "ospfv2": {

        "body": {

          "network": {

            "attached_routers": {

              "172.16.101.3": {},

              "172.16.252.25": {}

            },

            "network_mask": "255.255.255.252"
```

```
    }

  },

  "header": {

    "adv_router": "172.16.252.25",

    "age": 1543,

    "checksum": "0x3e6c",

    "length": 32,

    "lsa_id": "172.16.252.10",

    "option": "0x22",

    "seq_num": "0x80000005",

    "type": 2

  }

}

},

"172.16.252.14 172.16.252.33": {

  "adv_router": "172.16.252.33",

  "lsa_id": "172.16.252.14",

  "ospfv2": {

    "body": {

      "network": {

        "attached_routers": {

          "172.16.101.3": {},

          "172.16.252.33": {}

        },

        "network_mask": "255.255.255.252"

      }

    }

  }

}
```



```
    },

    "header": {

        "adv_router": "172.16.252.33",

        "age": 1505,

        "checksum": "0x3660",

        "length": 32,

        "lsa_id": "172.16.252.14",

        "option": "0x22",

        "seq_num": "0x80000005",

        "type": 2

    }

}

},

"172.16.252.18 172.16.252.33": {

    "adv_router": "172.16.252.33",

    "lsa_id": "172.16.252.18",

    "ospfv2": {

        "body": {

            "network": {

                "attached_routers": {

                    "172.16.252.25": {},

                    "172.16.252.33": {}

                },

                "network_mask": "255.255.255.252"

            }

        }

    },

}
```

```
"header": {

  "adv_router": "172.16.252.33",

  "age": 1505,

  "checksum": "0xf5ee",

  "length": 32,

  "lsa_id": "172.16.252.18",

  "option": "0x22",

  "seq_num": "0x80000005",

  "type": 2

}

},

"172.16.252.2 172.16.252.25": {

  "adv_router": "172.16.252.25",

  "lsa_id": "172.16.252.2",

  "ospfv2": {

    "body": {

      "network": {

        "attached_routers": {

          "172.16.101.2": {},

          "172.16.252.25": {}

        },

        "network_mask": "255.255.255.252"

      }

    },

    "header": {
```

```
    "adv_router": "172.16.252.25",

    "age": 1543,

    "checksum": "0x8033",

    "length": 32,

    "lsa_id": "172.16.252.2",

    "option": "0x22",

    "seq_num": "0x80000005",

    "type": 2

  }

}

},

"172.16.252.6 172.16.252.33": {

  "adv_router": "172.16.252.33",

  "lsa_id": "172.16.252.6",

  "ospfv2": {

    "body": {

      "network": {

        "attached_routers": {

          "172.16.101.2": {},

          "172.16.252.33": {}

        },

        "network_mask": "255.255.255.252"

      }

    }

  },

  "header": {

    "adv_router": "172.16.252.33",
```

```
    "age": 1505,

    "checksum": "0x7827",

    "length": 32,

    "lsa_id": "172.16.252.6",

    "option": "0x22",

    "seq_num": "0x80000005",

    "type": 2

  }

}

}

}

}

}

},
```

```
"interfaces": {

  "Ethernet1/3": {

    "bdr_ip_addr": "172.16.252.1",

    "bdr_router_id": "172.16.101.2",

    "bfd": {

      "enable": false

    },

    "cost": 40,

    "dead_interval": 40,

    "dr_ip_addr": "172.16.252.2",

    "dr_router_id": "172.16.252.25",

    "enable": true,
```

```
"hello_interval": 10,

"hello_timer": "00:00:05",

"interface_type": "broadcast",

"name": "Ethernet1/3",

"neighbors": {

  "172.16.252.25": {

    "address": "172.16.252.2",

    "bdr_ip_addr": "172.16.252.1",

    "dead_timer": "00:00:41",

    "dr_ip_addr": "172.16.252.2",

    "last_state_change": "02:36:39",

    "neighbor_router_id": "172.16.252.25",

    "state": "full",

    "statistics": {

      "nbr_event_count": 6

    }

  }

},

"passive": false,

"priority": 1,

"retransmit_interval": 5,

"state": "bdr",

"statistics": {

  "link_scope_lsa_cksum_sum": 0,

  "link_scope_lsa_count": 0

},
```

```
"transmit_delay": 1

},

"Ethernet1/4": {

  "bdr_ip_addr": "172.16.252.5",

  "bdr_router_id": "172.16.101.2",

  "bfd": {

    "enable": false

  },

  "cost": 40,

  "dead_interval": 40,

  "dr_ip_addr": "172.16.252.6",

  "dr_router_id": "172.16.252.33",

  "enable": true,

  "hello_interval": 10,

  "hello_timer": "00:00:08",

  "interface_type": "broadcast",

  "name": "Ethernet1/4",

  "neighbors": {

    "172.16.252.33": {

      "address": "172.16.252.6",

      "bdr_ip_addr": "172.16.252.5",

      "dead_timer": "00:00:41",

      "dr_ip_addr": "172.16.252.6",

      "last_state_change": "02:36:39",

      "neighbor_router_id": "172.16.252.33",

      "state": "full",
```

```
    "statistics": {

        "nbr_event_count": 6

    }

},

"passive": false,

"priority": 1,

"retransmit_interval": 5,

"state": "bdr",

"statistics": {

    "link_scope_lsa_cksum_sum": 0,

    "link_scope_lsa_count": 0

},

"transmit_delay": 1

},

"Vlan101": {

    "bfd": {

        "enable": false

    },

    "cost": 40,

    "enable": true,

    "interface_type": "broadcast",

    "name": "Vlan101",

    "passive": true,

    "state": "dr"

},
```

```
"Vlan102": {  
  
  "bfd": {  
  
    "enable": false  
  
  },  
  
  "cost": 40,  
  
  "enable": true,  
  
  "interface_type": "broadcast",  
  
  "name": "Vlan102",  
  
  "passive": true,  
  
  "state": "dr"  
  
},  
  
"Vlan103": {  
  
  "bfd": {  
  
    "enable": false  
  
  },  
  
  "cost": 40,  
  
  "enable": true,  
  
  "interface_type": "broadcast",  
  
  "name": "Vlan103",  
  
  "passive": true,  
  
  "state": "dr"  
  
},  
  
"Vlan104": {  
  
  "bfd": {  
  
    "enable": false  
  
  },  
  
}
```



```
"cost": 40,

"enable": true,

"interface_type": "broadcast",

"name": "Vlan104",

"passive": true,

"state": "dr"

},

"Vlan105": {

  "bfd": {

    "enable": false

  },

  "cost": 40,

  "enable": true,

  "interface_type": "broadcast",

  "name": "Vlan105",

  "passive": true,

  "state": "dr"

}

},

"mpls": {

  "ldp": {

    "auto_config": false,

    "sync": false

  }

},

"statistics": {
```

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    "area_scope_lsa_cksum_sum": "9",

    "area_scope_lsa_count": 9,

    "spf_runs_count": 9

  }

}

},

"auto_cost": {

  "enable": false,

  "reference_bandwidth": 40000

},

"enable": true,

"graceful_restart": {

  "ietf": {

    "enable": true,

    "restart_interval": 60,

    "type": "ietf"

  }

},

"nsr": {

  "enable": true

},

"preference": {

  "single_value": {

    "all": 110

  }

},
```

```
"router_id": "172.16.101.2",
```

```
"spf_control": {
```

```
  "paths": 8,
```

```
  "throttle": {
```

```
    "lsa": {
```

```
      "hold": 5000,
```

```
      "maximum": 5000,
```

```
      "start": 0
```

```
    },
```

```
    "spf": {
```

```
      "hold": 1000,
```

```
      "maximum": 5000,
```

```
      "start": 200
```

```
    }
```

```
  }
```

```
}
```

```
}
```

```
}
```

```
}
```

```
}
```

```
}
```

```
}
```

```
}
```