```json
{

  "vrf": {

    "default": {

      "address_family": {

        "ipv4": {

          "instance": {

            "1": {

              "adjacency_stagger": {

                "initial_number": 300,

                "maximum_number": 300

              },

              "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",
```

```json
      "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"

```json
                }

            },

            "num_of_links": 7

        }

    },

    "header": {

        "adv_router": "172.16.101.2",

        "age": 386,

        "checksum": "0xBB26",

        "length": 108,

        "lsa_id": "172.16.101.2",

        "option": "None",

        "seq_num": "80000009",

        "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",
```

```json
        "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"

```json
        },

    "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

}
```

```json
        },

        "header": {

            "adv_router": "172.16.101.3",

            "age": 389,

            "checksum": "0xEBD2",

            "length": 108,

            "lsa_id": "172.16.101.3",

            "option": "None",

            "seq_num": "8000000A",

            "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,
```

```json
        "mt_id": 0

      }

    },

    "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": 1835,

                "checksum": "0xE725",

                "length": 84,

                "lsa_id": "172.16.252.25",

                "option": "None",

                "seq_num": "80000010",

                "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"
```

```json
        },

    "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": 1859,

                    "checksum": "0xA23D",

                    "length": 84,

                    "lsa_id": "172.16.252.33",

                    "option": "None",

                    "seq_num": "8000000C",

                    "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": {},

```json
                            "172.16.252.25": {}

                        },

                        "network_mask": "255.255.255.252"

                    }

                },

                "header": {

                    "adv_router": "172.16.252.25",

                    "age": 1836,

                    "checksum": "0x406B",

                    "length": 32,

                    "lsa_id": "172.16.252.10",

                    "option": "None",

                    "seq_num": "80000004",

                    "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": 1859,

                    "checksum": "0x385F",

                    "length": 32,

                    "lsa_id": "172.16.252.14",

                    "option": "None",

                    "seq_num": "80000004",

                    "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": 1859,

                "checksum": "0xF7ED",

                "length": 32,

                "lsa_id": "172.16.252.18",

                "option": "None",

                "seq_num": "80000004",

                "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": 1836,

                "checksum": "0x8232",

                "length": 32,

                "lsa_id": "172.16.252.2",

                "option": "None",

                "seq_num": "80000004",

                "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": 1859,

                "checksum": "0x7A26",

                "length": 32,

                "lsa_id": "172.16.252.6",

                "option": "None",

                "seq_num": "80000004",

                "type": 2

            }

        }

      }

    }

  }

},

"interfaces": {

  "GigabitEthernet2": {

    "bfd": {

      "enable": false

    },

    "cost": 1,

    "dead_interval": 40,

    "demand_circuit": false,

    "dr_ip_addr": "172.16.252.21",

"dr_router_id": "172.16.252.25",

"enable": true,

"hello_interval": 10,

"hello_timer": "00:00:07",

"interface_type": "broadcast",

"lls": true,

"name": "GigabitEthernet2",

"passive": false,

"priority": 1,

"retransmit_interval": 5,

"state": "dr",

"transmit_delay": 1

},

"GigabitEthernet3": {

    "bfd": {

        "enable": false

    },

    "cost": 1,

    "dead_interval": 40,

    "demand_circuit": false,

    "dr_ip_addr": "172.16.252.25",

    "dr_router_id": "172.16.252.25",

    "enable": true,

    "hello_interval": 10,

    "hello_timer": "00:00:04",

    "interface_type": "broadcast",

            "lls": true,

            "name": "GigabitEthernet3",

            "passive": false,

            "priority": 1,

            "retransmit_interval": 5,

            "state": "dr",

            "transmit_delay": 1

    },

    "GigabitEthernet4": {

            "bdr_ip_addr": "172.16.252.1",

            "bdr_router_id": "172.16.101.2",

            "bfd": {

                "enable": false

            },

            "cost": 1,

            "dead_interval": 40,

            "demand_circuit": false,

            "dr_ip_addr": "172.16.252.2",

            "dr_router_id": "172.16.252.25",

            "enable": true,

            "hello_interval": 10,

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

            "interface_type": "broadcast",

            "lls": true,

            "name": "GigabitEthernet4",

            "neighbors": {

```
                "172.16.101.2": {

                    "address": "172.16.252.1",

                    "bdr_ip_addr": "172.16.252.1",

                    "dead_timer": "00:00:31",

                    "dr_ip_addr": "172.16.252.2",

                    "neighbor_router_id": "172.16.101.2",

                    "state": "full",

                    "statistics": {

                        "nbr_event_count": 6,

                        "nbr_retrans_qlen": 0

                    }

                }

            },

            "passive": false,

            "priority": 1,

            "retransmit_interval": 5,

            "state": "dr",

            "transmit_delay": 1

        },

        "GigabitEthernet5": {

            "bdr_ip_addr": "172.16.252.9",

            "bdr_router_id": "172.16.101.3",

            "bfd": {

                "enable": false

            },

            "cost": 1,
```

"dead_interval": 40,

"demand_circuit": false,

"dr_ip_addr": "172.16.252.10",

"dr_router_id": "172.16.252.25",

"enable": true,

"hello_interval": 10,

"hello_timer": "00:00:09",

"interface_type": "broadcast",

"lls": true,

"name": "GigabitEthernet5",

"neighbors": {

    "172.16.101.3": {

        "address": "172.16.252.9",

        "bdr_ip_addr": "172.16.252.9",

        "dead_timer": "00:00:38",

        "dr_ip_addr": "172.16.252.10",

        "neighbor_router_id": "172.16.101.3",

        "state": "full",

        "statistics": {

            "nbr_event_count": 6,

            "nbr_retrans_qlen": 0

        }

    }

},

"passive": false,

"priority": 1,

              "retransmit_interval": 5,

              "state": "dr",

              "transmit_delay": 1

    },

    "GigabitEthernet6": {

            "bdr_ip_addr": "172.16.252.17",

            "bdr_router_id": "172.16.252.25",

            "bfd": {

                  "enable": false

            },

            "cost": 1,

            "dead_interval": 40,

            "demand_circuit": false,

            "dr_ip_addr": "172.16.252.18",

            "dr_router_id": "172.16.252.33",

            "enable": true,

            "hello_interval": 10,

            "hello_timer": "00:00:09",

            "interface_type": "broadcast",

            "lls": true,

            "name": "GigabitEthernet6",

            "neighbors": {

                  "172.16.252.33": {

                        "address": "172.16.252.18",

                        "bdr_ip_addr": "172.16.252.17",

                        "dead_timer": "00:00:33",

                    "dr_ip_addr": "172.16.252.18",

                    "neighbor_router_id": "172.16.252.33",

                    "state": "full",

                    "statistics": {

                        "nbr_event_count": 6,

                        "nbr_retrans_qlen": 0

                    }

                }

            },

            "passive": false,

            "priority": 1,

            "retransmit_interval": 5,

            "state": "bdr",

            "transmit_delay": 1

        }

    },

    "mpls": {

        "te": {

            "enable": false

        }

    },

    "statistics": {

        "area_scope_lsa_cksum_sum": "0x059D69",

        "area_scope_lsa_count": 9,

        "spf_runs_count": 18

    }

```json
            }
        },
        "auto_cost": {
            "enable": false
        },
        "bfd": {
            "enable": false
        },
        "graceful_restart": {
            "cisco": {
                "enable": false,
                "type": "cisco"
            },
            "ietf": {
                "enable": false,
                "type": "ietf"
            }
        },
        "mpls": {
            "ldp": {
                "autoconfig": false,
                "autoconfig_area_id": "0.0.0.0"
            }
        },
        "nsr": {
            "enable": false
        },
```

```json
        },

        "preference": {

            "single_value": {

                "all": 110

            }

        },

    "router_id": "172.16.252.25",

    "spf_control": {

        "paths": 4,

        "throttle": {

            "lsa": {

                "hold": 200,

                "maximum": 5000,

                "start": 50

            },

            "spf": {

                "hold": 200,

                "maximum": 5000,

                "start": 50

            }

        }

    },

    "stub_router": {

        "always": {

            "always": false,

            "external_lsa": false,
```

```
                    "include_stub": false,

                    "summary_lsa": false

                }

            }

        }

    }

  }

 }

}
```