

Single Area

-----

```
interface loopback 0
  ip address 198.6.30.254 255.255.255.255
!
interface ethernet 0
  ip address 192.5.1.1 255.255.255.0
  ip ospf message-digest key 1 md5 <passwd>
!
interface ethernet 1
  ip address 198.6.30.1 255.255.255.240
!
router ospf 1
  log-adjacency-changes
  passive-interface default
  no passive-interface ethernet 0
  network 192.5.1.0 0.0.0.255 area 0
  network 198.6.30.0 0.0.0.15 area 0
  network 198.6.30.254 0.0.0.0 area 0
  area 0 authentication message-digest
!
no logging console
!
```

Two Areas

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```
interface loopback 0
  ip address 198.6.30.254 255.255.255.255
!
interface ethernet 0
  ip address 192.5.1.1 255.255.255.0
  ip ospf message-digest key 1 md5 <passwd>
!
interface ethernet 1
  ip address 198.6.30.1 255.255.255.240
  ip ospf message-digest key 1 md5 <passwd>
!
router ospf 1
  log-adjacency-changes
  passive-interface default
  no passive-interface ethernet 0
  no passive-interface ethernet 1
  network 192.5.1.0 0.0.0.255 area 0
  network 198.6.30.0 0.0.0.15 area 10
  network 198.6.30.254 0.0.0.0 area 0
  area 0 authentication message-digest
  area 10 authentication message-digest
!
no logging console
!
```

Three Areas

-----

```
interface loopback 0
  ip address 198.6.30.254 255.255.255.255
!
interface ethernet 0
  ip address 192.5.1.1 255.255.255.0
  ip ospf message-digest key 1 md5 <passwd>
!
interface ethernet 1
  ip address 198.6.30.1 255.255.255.240
  ip ospf message-digest key 1 md5 <passwd>
!
interface serial 0
  ip address 80.252.10.2 255.255.255.252
  ip ospf message-digest key 1 md5 <passwd>
!
```

```
router ospf 1
  log-adjacency-changes
  passive-interface default
  no passive-interface ethernet 0
  no passive-interface ethernet 1
  no passive-interface serial 0
  network 192.5.1.0 0.0.0.255 area 0
  network 198.6.30.0 0.0.0.15 area 10
  network 198.6.30.254 0.0.0.0 area 0
  network 80.252.10.0 0.0.0.3 area 42
  area 0 authentication message-digest
  area 10 authentication message-digest
  area 42 authentication message-digest
  !
no logging console
!
```

#### Single Area + Default Originate

```
-----
interface loopback 0
  ip address 198.6.30.254 255.255.255.255
  !
interface ethernet 0
  ip address 192.5.1.1 255.255.255.0
  ip ospf message-digest key 1 md5 <passwd>
  !
interface ethernet 1
  ip address 198.6.30.1 255.255.255.240
  !
interface serial 0
  description External connection to another ISP
  ip address 80.240.10.1 255.255.255.252
  !
router ospf 1
  log-adjacency-changes
  passive-interface default
  no passive-interface ethernet 0
  default-information originate always
  network 192.5.1.0 0.0.0.255 area 0
  network 198.6.30.0 0.0.0.15 area 0
  network 198.6.30.254 0.0.0.0 area 0
  network 80.240.10.0 0.0.0.3 area 0
  area 0 authentication message-digest
  !
ip route 0.0.0.0 0.0.0.0 Serial 0
  !
no logging console
!
```