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

```
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
!
```