```
                        nat comparision 8.2 vs 8.4 command wise
Dynamic NAT

8.2

global (outside) 1 192.1.20.51-192.1.20.70
nat (inside) 1 10.11.11.0 255.255.255.0
---------------------------------------------------------
8.4

object network POOL.10.11.11.0
 range 192.1.20.51 192.1.20.70
!
object network NET.10.11.11.0
 subnet 10.11.11.0 255.255.255.0
 nat (inside,outside) dynamic POOL.10.11.11.0
=========================================================
Dynamic PAT

8.2

global (outside) 1 192.1.20.71
nat (inside) 1 10.1.1.0 255.255.255.0
---------------------------------------------------------
object network NET.10.1.1.0
 subnet 10.1.1.0 255.255.255.0
 nat (inside,outside) dynamic 192.1.20.71

OR

global (outside) 1 interface
nat (inside) 1 10.1.1.0 255.255.255.0
---------------------------------------------------------
object network NET.10.1.1.0
 subnet 10.1.1.0 255.255.255.0
 nat (inside,outside) dynamic interface
=========================================================
Dynamic NAT/PAT Combination

8.2

global (outside) 1 192.1.20.51-192.1.20.70
global (outside) 1 interface
nat (inside) 1 10.11.11.0 255.255.255.0
---------------------------------------------------------
8.4

object network POOL.10.11.11.0
 range 192.1.20.51 192.1.20.70
!
object network NET.10.11.11.0
 subnet 10.11.11.0 255.255.255.0
 nat (inside,outside) dynamic POOL.10.11.11.0 interface

=========================================================
Static NAT

8.2

static (DMZ,outside) 192.1.20.101 192.168.1.11
static (DMZ,outside) 192.1.20.102 192.168.1.12
static (DMZ,outside) 192.1.20.103 192.168.1.13
!
access-list INF permit tcp any host 192.1.20.101 eq 80
                            Page 1
```

```
access-list INF permit tcp any host 192.1.20.102 eq 25
access-list INF permit udp any host 192.1.20.103 eq 53
!
access-group INF in interface outside
----------------------------------------------------------

8.4

object network WWW-S1
 host 192.168.1.11
 nat (DMZ,outside) static 192.1.20.101
!
object network MAIL-S1
 host 192.168.1.12
 nat (DMZ,outside) static 192.1.20.102
!
object network DNS-S1
 host 192.168.1.13
 nat (DMZ,outside) static 192.1.20.103
!
access-list INF permit tcp any host 192.168.1.11 eq 80
access-list INF permit tcp any host 192.168.1.12 eq 25
access-list INF permit udp any host 192.168.1.13 eq 53
!
access-group INF in interface outside
==========================================================
```
Static PAT

8.2

```
static (DMZ,outside) tcp 192.1.20.7 80 192.168.1.14 80
static (DMZ,outside) tcp 192.1.20.7 25 192.168.1.15 25
static (DMZ,outside) udp 192.1.20.7 53 192.168.1.16 53
!
access-list INF permit tcp any host 192.1.20.7 eq 80
access-list INF permit tcp any host 192.1.20.7 eq 25
access-list INF permit udp any host 192.1.20.7 eq 53
----------------------------------------------------------

8.4

object network WWW-S2
 host 192.168.1.14
 nat (DMZ,outside) static 192.1.20.7 service tcp 80 80
!
object network MAIL-S2
 host 192.168.1.15
 nat (DMZ,outside) static 192.1.20.7 service tcp 25 25
!
object network DNS-S2
 host 192.168.1.16
 nat (DMZ,outside) static 192.1.20.7 service udp 53 53
!
access-list INF permit tcp any host 192.168.1.14 eq 80
access-list INF permit tcp any host 192.168.1.15 eq 25
access-list INF permit udp any host 192.168.1.16 eq 53
!
access-group INF in interface outside
==========================================================
```
Static Identity NAT

8.2

static (Inside,outside) 10.11.11.1 10.11.11.1

8.4

object network R1
 host 10.11.11.1
 nat (inside,outside) static 10.11.11.1
==
Destination NAT

8.2

static (DMZ,outside) 192.1.20.81 192.168.1.99
static (outside,DMZ) 192.168.1.98 199.1.1.1
!
access-list INF permit ip host 199.1.1.1 host 192.1.20.81

8.4

object network MF-I
 host 192.168.1.99
 nat (DMZ,outside) static 192.1.20.81
!
object network MF-O
 host 199.1.1.1
 nat (outside,DMZ) static 192.168.1.98
!
access-list INF permit ip host 192.168.1.98 host 192.168.1.99

==
DNS Doctoring

8.2

static (Inside,outside) 192.1.20.80 10.11.11.80 dns
!
access-list INF permit tcp any host 192.1.20.80 eq 80

8.4

object network MF-I
 host 10.11.11.80
 nat (Inside,outside) static 192.1.20.80 dns
!
access-list INF permit tcp any host 10.11.11.80 eq 80

==
Policy NAT

8.2

access-list P1 permit ip host 10.11.11.1 host 2.2.2.2
static (Inside,Outside) 192.1.20.101 access-list P1
!
access-list P2 permit ip host 10.11.11.1 host 192.1.20.2
static (Inside,Outside) 192.1.20.102 access-list P2

```
8.4

object network R1
 host 10.11.11.1
!
object network R2-LOOP
 host 2.2.2.2
!
object network R2-F00
 host 192.1.20.2
!
object network R1-R2-L
 host 192.1.20.101
!
object network R1-R2-F
 host 192.1.20.102
!
nat (ins,out) source static R1 R1-R2-L destination static R2-LOOP R2-LOOP
nat (ins,out) source static R1 R1-R2_F destination static R2-F00 R2-F00
=========================================================
Multiple Inside Networks NAT

8.2

global (inside) 1 192.1.20.150-192.1.20.200
global (inside) 1 192.1.20.201
nat (inside) 1 10.11.11.0 255.255.255.0
nat (inside) 1 10.1.1.0 255.255.255.0
---------------------------------------------------------

8.4

object network POOL
 range 192.1.20.151 192.1.20.200
!
object network POOL-BACKUP
 host 192.1.20.201
!
object network NET.10.11.11.0
 subnet 10.11.11.0 255.255.255.0
!
object network NET.10.1.1.0
 subnet 10.1.1.0 255.255.255.0
!
object-group network INS-NET
 network-object object NET.10.11.11.0
 network-object object NET.10.1.1.0
!
object-group network NAT-PAT
 network-object object POOL
 network-object object POOL-BACKUP
!
nat (inside,outside) source dynamic INS-NET NAT-PAT
=============================================================
```