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Sample PAT Commands and Access Lists

This section provides a sample configuration for a Cisco Unified Presence server that is federating with a foreign OCS enterprise deployment. There are two additional intercluster Cisco Unified Presence servers in the local enterprise deployment.

The following values are used in this sample configuration:

- Public Cisco Unified Presence IP Address = 10.10.10.10
- Private Routing Cisco Unified Presence IP Address = 1.1.1.1
- Private Second Cisco Unified Presence IP Address = 2.2.2.2
- Private Third Cisco Unified Presence IP Address = 3.3.3.3
- Peer Auth Listener Port on Cisco Unified Presence = 5062
- Netmask = 255.255.255.255
- Foreign Domain = abc.com
- Microsoft OCS External Interface = 20.20.20.20

These PAT commands are defined for the (routing) Cisco Unified Presence server:

```
static (inside,outside) tcp 10.10.10.10 5061 1.1.1.1 5062 netmask  
255.255.255.255
```

```
static (inside,outside) udp 10.10.10.10 5070 1.1.1.1 5070 netmask  
255.255.255.255
```

```
static (inside,outside) tcp 10.10.10.10 5070 1.1.1.1 5070 netmask  
255.255.255.255
```

```
static (inside,outside) tcp 10.10.10.10 5060 1.1.1.1 5060 netmask  
255.255.255.255
```

```
static (inside,outside) tcp 10.10.10.10 5062 1.1.1.1 5061 netmask  
255.255.255.255
```

These PAT commands are defined for the two additional intercluster Cisco Unified Presence servers in the enterprise deployment:

```
static (inside,outside) udp 10.10.10.10 45070 2.2.2.2 5070 netmask  
255.255.255.255
```

```
static (inside,outside) tcp 10.10.10.10 45070 2.2.2.2 5070 netmask  
255.255.255.255
```

```
static (inside,outside) udp 10.10.10.10 55070 3.3.3.3 5070 netmask
255.255.255.255
```

```
static (inside,outside) tcp 10.10.10.10 55070 3.3.3.3 5070 netmask
255.255.255.255
```

```
static (inside,outside) udp 10.10.10.10 40000 2.2.2.2 5062 netmask
255.255.255.255
```

```
static (inside,outside) tcp 10.10.10.10 50000 3.3.3.3 5062 netmask
255.255.255.255
```

The corresponding access lists for this configuration are provided below. Note that for each foreign domain that you federate with, you must add access lists similar to these access lists for the domain abc.com.

```
access-list ent_cup_to_abc extended permit tcp host 1.1.1.1 host
20.20.20.20 eq 5061
```

```
access-list ent_abc_to_cup extended permit tcp host 20.20.20.20 host
10.10.10.10 eq 5061
```

```
access-list ent_secondcup_to_abc extended permit tcp host 2.2.2.2 host
20.20.20.20 eq 5061
```

```
access-list ent_thirdcup_to_abc extended permit tcp host 3.3.3.3 host
20.20.20.20 eq 5061
```

```
access-list ent_abc_to_secondcup extended permit tcp host 20.20.20.20
host 10.10.10.10 access-list ent_abc_to_thirdcup extended permit tcp host
20.20.20.20 host 10.10.10.10
```

Associate each of your access lists with the a class map:

```
class-map ent_cup_to_abc
```

```
    match access-list ent_cup_to_abc
```

```
class-map ent_abc_to_cup
```

```
    match access-list ent_abc_to_cup
```

```
class-map ent_secondcup_to_abc
```

```
    match access-list ent_secondcup_to_abc
```

```
class-map ent_thirdcup_to_abc
```

```
    match access-list ent_thirdcup_to_abc
```

```
class-map ent_abc_to_secondcup
```

```
match access-list ent_abc_to_secondcup
```

```
class-map ent_abc_to_thirdcup
```

```
match access-list ent_abc_to_thirdcup
```

Update the global policy map for each class map you created. In this example, the TLS proxy instance for TLS connections initiated by Cisco Unified Presence is called "cup_to_foreign", and the TLS proxy instance for TLS connections initiated by a foreign domain is called "foreign_to_cup".

```
policy-map global_policy
```

```
class ent_cup_to_abc
```

```
inspect sip sip_inspect tls-proxy ent_cup_to_foreign
```

```
policy-map global_policy
```

```
class ent_abc_to_cup
```

```
inspect sip sip_inspect tls-proxy ent_foreign_to_cup
```

```
policy-map global_policy
```

```
class ent_secondcup_to_abc
```

```
inspect sip sip_inspect tls-proxy ent_cup_to_foreign
```

```
policy-map global_policy
```

```
class ent_thirdcup_to_abc
```

```
inspect sip sip_inspect tls-proxy ent_cup_to_foreign
```

```
policy-map global_policy
```

```
class ent_abc_to_secondcup
```

```
inspect sip sip_inspect tls-proxy ent_foreign_to_cup
```

```
policy-map global_policy
```

```
class ent_abc_to_thirdcup
```

```
inspect sip sip_inspect tls-proxy ent_foreign_to_cup
```

Related Topics

- [Getting More Information](#)