

Remote Access

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Table d'Adressage

Devices	Interfaces	IPv4 Address
ASA	Gi0/0: Inside	10.1.10.1/24
	Gi0/1: Outside	20.1.1.1/24
	Gi0/2: DMZ	192.168.100.1/24
DC_Router	G1/0	10.1.10.2/24
	F0/0	2.2.2.1/24
	F2/0	1.1.1.1/24
Windows 7	E0	20.1.1.10/24
Windows Server (DNS)	Domaine name: isi.com	192.168.100.10
	E0	
DebianServerWeb	E0	2.2.2.2/24
DebianServerDhcp	E0	1.1.1.1/24
ServerWebDocker	E0	3.3.3.3/24

*****ASA CONFIGURATION*****

Basics configurations

```
interface GigabitEthernet0/1
nameif outside
security-level 0
ip address 20.1.1.1 255.255.255.0
no shutdown
```

```
interface GigabitEthernet0/0
nameif inside
security-level 100
ip address 10.1.10.1 255.255.255.0
no shutdown
```

```
interface GigabitEthernet0/2
nameif DMZ
security-level 50
ip address 192.168.100.1 255.255.255.0
no shutdown
exit
route inside 1.1.1.0 255.255.255.0 10.1.10.2
route inside 2.2.2.0 255.255.255.0 10.1.10.2
```

Permettre inspection des packets icmp

```
policy-map global_policy
class inspection_default
inspect icmp
fixup protocol icmp
```

```
access-list outside_in permit icmp 20.1.1.0 255.255.255.0 any echo
access-list outside_in permit icmp 20.1.1.0 255.255.255.0 any echo-reply
access-list outside-dmz permit tcp any host 192.168.100.10 eq 80
access-list outside-dmz permit icmp any host 192.168.100.10
access-group outside_in in interface outside
Exit
```

Configuration du DNS

```
dns domain-lookup dmz
dns name-server 192.168.100.10
domaine-name isi.com
```

Générer la clé RSA

```
crypto key generate rsa label groupeisi modulo 2048
```

Création d'un CA

```
crypto ca trustpoint Trust-isi
enrollement self
keypair groupeisi
subject-name CN = ASA1 0 = isi.com
```

Enrouler son propre certificat

```
crypto ca enroll Trust-isi
```

Acl pour acceder au serveur

```
access-list webacl webtype permit url http://srv1.isi.com:8080
access-list webacl webtype permit url http://srv2.isi.com:8080
access-list webacl webtype permit url http://1.1.1.2
access-list webacl webtype permit url http://2.2.2.2
```

Creation du group Policy

```
group-policy GP internal
group-policy GP attributes
banner value WELCOME TO ISI
vpn-idle-timeout 1440
vpn-session-timeout 1440
vpn-tunnel-protocol ssl-clientless
```

```
webvpn
filter value webacl
exit
```

Creation du tunnel group

```
tunnel-group TG type remote-access
tunnel-group TG general-attributes
default -group-policy GP
password-management password-expire-in-days 60
tunnel-group TG webvpn-attributes
```

```
group-alias ISI enable
```

Activation du SSL/WEBVPN

```
webvpn  
enable outside  
tunnel-group-list enable
```

Appel du certificat sur l'interface outside

```
ssl trust-point Trust-isi outside
```

Creation des utilisateurs

```
username soubite password cisco privilege 15  
username isi password isi privilege 15
```

Associer les users au niveau des groupes

```
username soubite attribute  
vpn-group-policy GP  
service-type remote-access
```

*****DC_ROUTER CONFIGURATION*****

```
int g1/0  
description connection to asa  
ip add 10.1.10.2 255.255.255.0  
no sh  
int f0/0  
description connection au serveur 1  
ip add 2.2.2.1 255.255.255.0  
no sh  
int f2/0  
description connection au serveur 2  
ip add 1.1.1.1 255.255.255.0  
no sh  
router eigrp 100  
redistribute static  
no auto-summary  
network 1.1.1.0  
network 2.2.2.0  
network 10.1.10.0  
  
ip route 20.1.1.0 255.255.255.0 10.1.10.1  
ip route 192.168.100.0 255.255.255.0 10.1.10.1
```