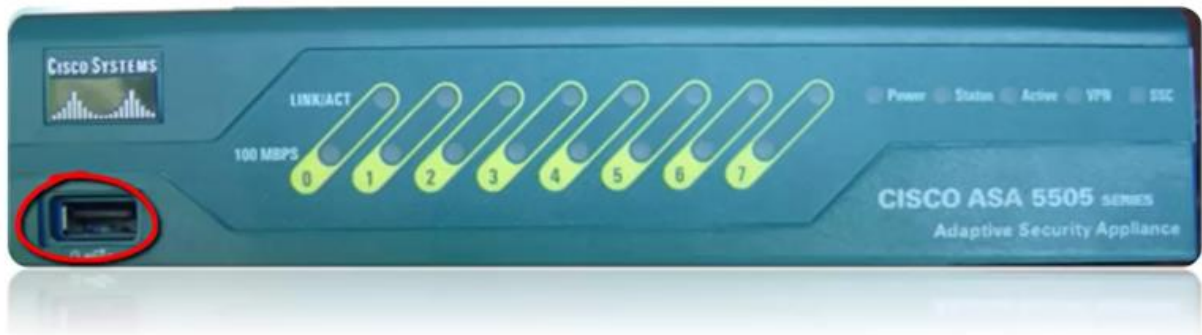


# Configuration du ASA 5505

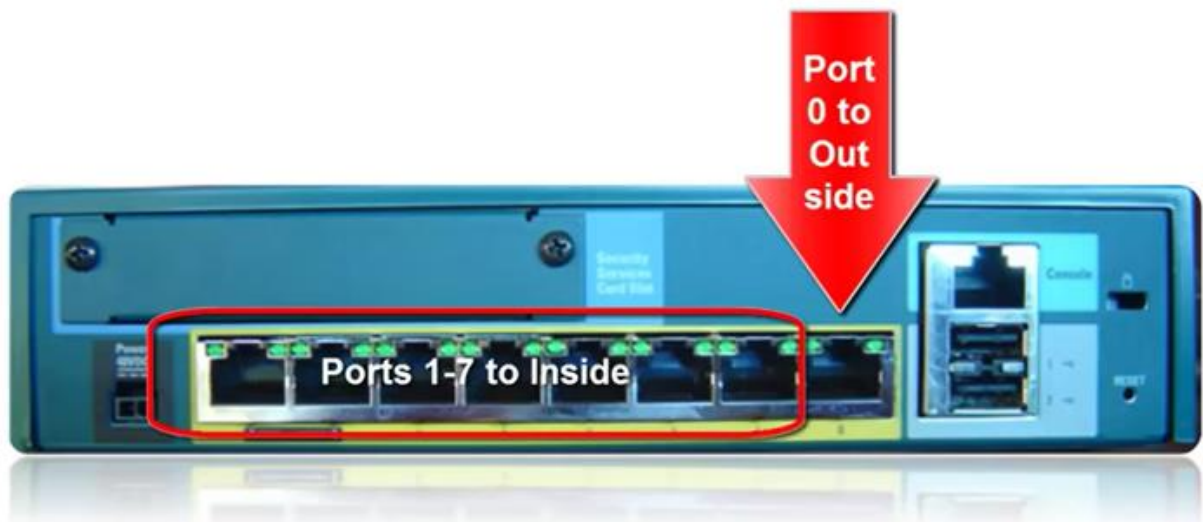
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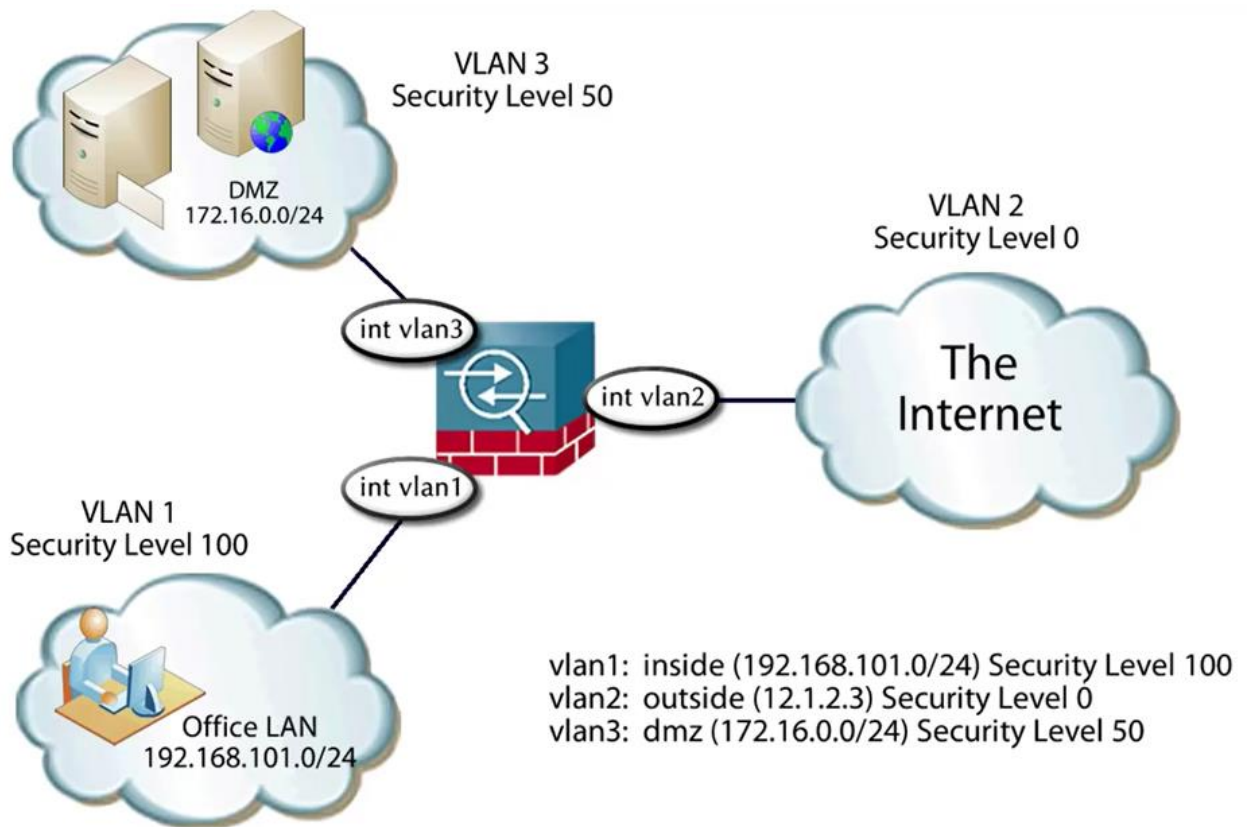
1 Cisco ASA 5505 (vue avant)



2 Cisco ASA 5505 (vue arrière)



### 3 Topologie ASA 5505



#### 4 Afficher la configuration courante :

```
ciscoasa>  
ciscoasa> en  
Password:
```

```
ciscoasa# show running-config  
: Saved  
ASA Version 8.2(5)  
!  
hostname ciscoasa  
enable password 8Ry2YjIyt7RRXU24 encrypted  
passwd 2KFQnbNIdI.2KYOU encrypted  
names  
!  
interface Ethernet0/0  
  switchport access vlan 2  
!  
interface Ethernet0/1  
interface Ethernet0/2  
interface Ethernet0/3  
interface Ethernet0/4  
interface Ethernet0/5  
interface Ethernet0/6  
interface Ethernet0/7  
!  
interface Vlan1  
  nameif inside  
  security-level 100  
  ip address 192.168.1.1 255.255.255.0  
interface Vlan2  
  nameif outside  
  security-level 0  
  ip address dhcp setroute  
!  
ftp mode passive  
pager lines 24  
logging asdm informational  
mtu inside 1500  
mtu outside 1500  
icmp unreachable rate-limit 1 burst-size 1  
no asdm history enable  
arp timeout 14400  
global (outside) 1 interface  
nat (inside) 1 0.0.0.0 0.0.0.0  
timeout xlate 3:00:00  
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02  
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat  
0:05:00  
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect  
0:02:00  
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
```

```

timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
http server enable
http 192.168.1.0 255.255.255.0 inside
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
crypto ipsec security-association lifetime seconds 28800
crypto ipsec security-association lifetime kilobytes 4608000
telnet timeout 5
ssh timeout 5
console timeout 0
dhcpd auto_config outside
!
dhcpd address 192.168.1.5-192.168.1.36 inside
dhcpd enable inside
!
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
webvpn
!
class-map inspection_default
  match default-inspection-traffic
!
policy-map type inspect dns preset_dns_map
  parameters
    message-length maximum client auto
    message-length maximum 512
policy-map global_policy
  class inspection_default
    inspect dns preset_dns_map
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect rsh
    inspect rtsp
    inspect esmtp
    inspect sqlnet
    inspect skinny
    inspect sunrpc
    inspect xdmcp
    inspect sip
    inspect netbios
    inspect tftp
    inspect ip-options
service-policy global_policy global
prompt hostname context
Cryptochecksum:2fed4711c33a1ca9f0247c434bf71699
: end

```

## 5 Réinitialiser la configuration aux valeurs par défaut

```
ciscoasa# conf t
ciscoasa(config)#

***** NOTICE *****

Help to improve the ASA platform by enabling anonymous reporting,
which allows Cisco to securely receive minimal error and health
information from the device. To learn more about this feature,
please visit: http://www.cisco.com/go/smartcall

Would you like to enable anonymous error reporting to help improve
the product? [Y]es, [N]o, [A]sk later: N

In the future, if you would like to enable this feature,
issue the command "call-home reporting anonymous".

Please remember to save your configuration.
```

```
ciscoasa(config)# configure factory-default

WARNING: The boot system configuration will be cleared.
The first image found in disk0:/ will be used to boot the
system on the next reload.
Verify there is a valid image on disk0:/ or the system will
not boot.

Begin to apply factory-default configuration:
Clear all configuration
WARNING: DHCPD bindings cleared on interface 'inside', address pool
removed
Executing command: interface Ethernet 0/0
Executing command: switchport access vlan 2
Executing command: no shutdown
Executing command: exit
Executing command: interface Ethernet 0/1
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
Executing command: interface Ethernet 0/2
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
Executing command: interface Ethernet 0/3
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
Executing command: interface Ethernet 0/4
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
```

```
Executing command: interface Ethernet 0/5
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
Executing command: interface Ethernet 0/6
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
Executing command: interface Ethernet 0/7
Executing command: switchport access vlan 1
Executing command: no shutdown
Executing command: exit
Executing command: interface vlan2
Executing command: nameif outside
INFO: Security level for "outside" set to 0 by default.
Executing command: no shutdown
Executing command: ip address dhcp setroute
Executing command: exit
Executing command: interface vlan1
Executing command: nameif inside
INFO: Security level for "inside" set to 100 by default.
Executing command: ip address 192.168.1.1 255.255.255.0
Executing command: security-level 100
Executing command: allow-ssc-mgmt
ERROR: SSC card is not available
Executing command: no shutdown
Executing command: exit
Executing command: global (outside) 1 interface
INFO: outside interface address added to PAT pool
Executing command: nat (inside) 1 0 0
Executing command: http server enable
Executing command: http 192.168.1.0 255.255.255.0 inside
Executing command: dhcpd address 192.168.1.5-192.168.1.36 inside
Executing command: dhcpd auto_config outside
Executing command: dhcpd enable inside
Executing command: logging asdm informational
Factory-default configuration is completed
```

## 6 Afficher de nouveau la configuration courante :

```
ciscoasa# show running-config
: Saved
:
ASA Version 8.2(5)
!
hostname ciscoasa
enable password 8Ry2YjIyt7RRXU24 encrypted
passwd 2KFQnbNIdI.2KYOU encrypted
names
!
interface Ethernet0/0
  switchport access vlan 2
interface Ethernet0/1
interface Ethernet0/2
interface Ethernet0/3
interface Ethernet0/4
interface Ethernet0/5
interface Ethernet0/6
interface Ethernet0/7
!
interface Vlan1
  nameif inside
  security-level 100
  ip address 192.168.1.1 255.255.255.0
!
interface Vlan2
  nameif outside
  security-level 0
  ip address dhcp setroute
!
ftp mode passive
pager lines 24
logging asdm informational
mtu outside 1500
mtu inside 1500
icmp unreachable rate-limit 1 burst-size 1
no asdm history enable
arp timeout 14400
global (outside) 1 interface
nat (inside) 1 0.0.0.0 0.0.0.0
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat
0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect
0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
```



```

http server enable
http 192.168.1.0 255.255.255.0 inside
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
crypto ipsec security-association lifetime seconds 28800
crypto ipsec security-association lifetime kilobytes 4608000
telnet timeout 5
ssh timeout 5
console timeout 0
dhcpd auto_config outside
!
dhcpd address 192.168.1.5-192.168.1.36 inside
dhcpd enable inside
!

threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
webvpn
!
class-map inspection_default
  match default-inspection-traffic
!
policy-map type inspect dns preset_dns_map
  parameters
    message-length maximum client auto
    message-length maximum 512
policy-map global_policy
  class inspection_default
    inspect dns preset_dns_map
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect rsh
    inspect rtsp
    inspect esmtp
    inspect sqlnet
    inspect skinny
    inspect sunrpc
    inspect xdmcp
    inspect sip
    inspect netbios
    inspect tftp
    inspect ip-options
!
service-policy global_policy global
prompt hostname context
Cryptochecksum:20152f7f13f4b686a010769cd55daef5
: end

```

## 7 Mettre à jour l'horloge

```
ciscoasa# clock set 14:32:00 22 may 2018
```

## 8 Définir une bannière

```
ciscoasa(config)# hostname ASA
ASA(config)# banner motd -----
ASA(config)# banner motd allo
ASA(config)# banner motd -----
ASA(config)# exit
ASA# exit

Logoff

-----
allo
-----

Type help or '?' for a list of available commands.
ASA>
```

## 9 Afficher les infos sur la version et autres

```
ASA# show version

Cisco Adaptive Security Appliance Software Version 8.2(5)
Device Manager Version 7.1(1)52

Compiled on Fri 20-May-11 16:00 by builders
System image file is "disk0:/asa825-k8.bin"
Config file at boot was "startup-config"

ASA up 2 hours 20 mins

Hardware: ASA5505, 512 MB RAM, CPU Geode 500 MHz
Internal ATA Compact Flash, 128MB
BIOS Flash Firmware Hub @ 0xffe00000, 1024KB

Encryption hardware device : Cisco ASA-5505 on-board accelerator (revision
0x0)
                                Boot microcode      : CN1000-MC-BOOT-2.00
                                SSL/IKE microcode: CNLite-MC-SSLM-PLUS-2.03
                                IPSec microcode   : CNLite-MC-IPSECM-MAIN-2.05

0: Int: Internal-Data0/0      : address is 6c20.5604.0a99, irq 11
1: Ext: Ethernet0/0           : address is 6c20.5604.0a91, irq 255
2: Ext: Ethernet0/1           : address is 6c20.5604.0a92, irq 255
3: Ext: Ethernet0/2           : address is 6c20.5604.0a93, irq 255
4: Ext: Ethernet0/3           : address is 6c20.5604.0a94, irq 255
5: Ext: Ethernet0/4           : address is 6c20.5604.0a95, irq 255
6: Ext: Ethernet0/5           : address is 6c20.5604.0a96, irq 255
```

```

7: Ext: Ethernet0/6      : address is 6c20.5604.0a97, irq 255
8: Ext: Ethernet0/7      : address is 6c20.5604.0a98, irq 255
9: Int: Internal-Data0/1 : address is 0000.0003.0002, irq 255
10: Int: Not used        : irq 255
11: Int: Not used        : irq 255

```

Licensed features for this platform:

```

Maximum Physical Interfaces : 8
VLANs                       : 3, DMZ Restricted
Inside Hosts                : 10
Failover                    : Disabled
VPN-DES                     : Enabled
VPN-3DES-AES                : Enabled
SSL VPN Peers               : 2
Total VPN Peers             : 10
Dual ISPs                   : Disabled
VLAN Trunk Ports            : 0
Shared License               : Disabled
AnyConnect for Mobile       : Disabled
AnyConnect for Cisco VPN Phone : Disabled
AnyConnect Essentials       : Disabled
Advanced Endpoint Assessment : Disabled
UC Phone Proxy Sessions     : 2
Total UC Proxy Sessions     : 2
Botnet Traffic Filter        : Disabled

```

This platform has a Base license.

Serial Number: JMX164041NJ

Running Activation Key: 0xba22d145 0xb4c12687 0x4881c5a8 0xa3d8c8c0  
0x8d080188

Configuration register is 0x1

Configuration last modified by enable\_15 at 14:34:01.749 UTC Tue May 22 2018

ASA#

## 10 Afficher les interfaces

ASA# **show int ip brief**

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0/0	unassigned	YES	unset	down	down
Ethernet0/1	unassigned	YES	unset	down	down
Ethernet0/2	unassigned	YES	unset	down	down
Ethernet0/3	unassigned	YES	unset	down	down
Ethernet0/4	unassigned	YES	unset	down	down
Ethernet0/5	unassigned	YES	unset	down	down
Ethernet0/6	unassigned	YES	unset	down	down
Ethernet0/7	unassigned	YES	unset	down	down
Internal-Data0/0	unassigned	YES	unset	up	up
Internal-Data0/1	unassigned	YES	unset	up	up
Vlan1	192.168.1.1	YES	manual	down	down
Vlan2	unassigned	YES	DHCP	down	down

Virtual0	127.0.0.1	YES	unset	up	up
ASA#					

## 11 Configurer les interfaces

```
ASA(config)# interface vlan1
ASA(config-if)# nameif inside
ASA(config-if)# security-level 100
ASA(config-if)# ip address 192.168.1.1 255.255.255.0
Waiting for the earlier webvpn instance to terminate...
Previous instance shut down. Starting a new one.
ASA(config-if)# exit
```

```
ASA(config)# interface vlan 2
ASA(config-if)# nameif outside
ASA(config-if)# security-level 0
ASA(config-if)# ip address 209.165.200.226 255.255.255.248
ASA(config-if)# exit
```

```
ASA(config)# interface e0/0
ASA(config-if)# switchport access vlan 2
ASA(config-if)# no shut
ASA(config-if)# exit
```

```
ASA(config)# interface e0/1
ASA(config-if)# switchport access vlan 1
ASA(config-if)# no shut
ASA(config-if)# exit
```

## 12 Afficher la liste des VLANs

```
ASA(config)# show switch vlan
```

VLAN	Name	Status	Ports
1	inside	down	Et0/1, Et0/2, Et0/3, Et0/4 Et0/5, Et0/6, Et0/7
2	outside	down	Et0/0

```
ASA(config)#
```

## 13 Afficher la liste des interfaces

```
ASA(config) # show interface ip brief
```

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0/0	unassigned	YES	unset	down	down
Ethernet0/1	unassigned	YES	unset	down	down
Ethernet0/2	unassigned	YES	unset	down	down
Ethernet0/3	unassigned	YES	unset	down	down
Ethernet0/4	unassigned	YES	unset	down	down
Ethernet0/5	unassigned	YES	unset	down	down
Ethernet0/6	unassigned	YES	unset	down	down
Ethernet0/7	unassigned	YES	unset	down	down
Internal-Data0/0	unassigned	YES	unset	up	up
Internal-Data0/1	unassigned	YES	unset	up	up
Vlan1	192.168.1.1	YES	manual	down	down
Vlan2	209.165.200.226	YES	manual	down	down
Virtual0	127.0.0.1	YES	unset	up	up

## 14 Afficher la configuration IP

```
ASA(config) # show ip address
```

System IP Addresses:

Interface	Name	IP address	Subnet mask	Method
Vlan1	inside	192.168.1.1	255.255.255.0	manual
Vlan2	outside	209.165.200.226	255.255.255.248	manual

Current IP Addresses:

Interface	Name	IP address	Subnet mask	Method
Vlan1	inside	192.168.1.1	255.255.255.0	manual
Vlan2	outside	209.165.200.226	255.255.255.248	manual

## 15 Ajouter une route par défaut

```
ASA(config) # route outside 0.0.0.0 0.0.0.0 209.165.200.225
```

La route ne s'affiche pas

```
ASA(config) # show route
```

Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP  
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area  
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2  
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP  
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter  
area  
\* - candidate default, U - per-user static route, o - ODR  
P - periodic downloaded static route

Gateway of last resort is not set

```
ASA(config)# show route | begin Gateway  
Gateway of last resort is not set  
  
ASA(config)# route outside 0.0.0.0 0.0.0.0 209.165.200.225  
ASA(config)# show route | begin Gateway  
Gateway of last resort is not set
```

## 16 Ajouter un objet groupe

```
ASA(config)# object-group network PUBLIC  
  description      Specify description text  
  group-object      Configure an object group as an object  
  help              Help for network object-group configuration commands  
  network-object    Configure a network object  
  no                Remove an object or description from object-group
```