

Welcome to the Alcatel-Lucent OmniSwitch 6000
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Hostname : SW-LDVLTE1-142

Ajout des VLAN (Virtual Local Area network) en fonctions des ports du commutateur.

```

vlan 1 enable name "VLAN 1"
vlan 20 enable name "VIDEO"
vlan 21 enable name "VISIO"
vlan 102 enable name "zone 2"
vlan 157 enable name "DATA1-B14"
vlan 157 port default 1/5
vlan 157 port default 1/6
vlan 157 port default 1/7
vlan 157 port default 1/8
vlan 157 port default 1/9
vlan 157 port default 1/10
vlan 157 port default 1/11
vlan 157 port default 1/12
vlan 157 port default 1/13
vlan 157 port default 1/14
vlan 157 port default 1/15
vlan 157 port default 1/16
vlan 157 port default 1/17
vlan 157 port default 1/18
vlan 157 port default 1/19
vlan 157 port default 1/20
vlan 157 port default 1/21
vlan 157 port default 1/22
vlan 157 port default 1/23
vlan 157 port default 1/24
vlan 157 port default 1/25
vlan 157 port default 1/26
vlan 157 port default 1/27
vlan 157 port default 1/28
vlan 157 port default 1/29
vlan 157 port default 1/30
vlan 157 port default 1/31
vlan 157 port default 1/32
vlan 157 port default 1/33
vlan 157 port default 1/34
vlan 157 port default 1/35
vlan 157 port default 1/36
vlan 157 port default 1/37
vlan 157 port default 1/38
vlan 157 port default 1/39
vlan 157 port default 2/5
vlan 157 port default 2/6
vlan 157 port default 2/7
vlan 157 port default 2/8
```

vlan 157 port default 2/9
vlan 157 port default 2/10
vlan 157 port default 2/11
vlan 157 port default 2/12
vlan 157 port default 2/13
vlan 157 port default 2/14
vlan 157 port default 2/15
vlan 157 port default 2/16
vlan 157 port default 2/17
vlan 157 port default 2/18
vlan 157 port default 2/19
vlan 157 port default 2/20
vlan 157 port default 2/21
vlan 157 port default 2/22
vlan 157 port default 2/23
vlan 252 enable name "WIFI SIH"
vlan 253 enable name "WIFI SIH"
vlan 253 port default 1/40
vlan 253 port default 1/41
vlan 253 port default 1/42
vlan 253 port default 1/43
vlan 253 port default 1/44
vlan 253 port default 1/45
vlan 253 port default 1/46
vlan 253 port default 1/47
vlan 253 port default 1/48
vlan 253 port default 2/1
vlan 253 port default 2/2
vlan 253 port default 2/3
vlan 253 port default 2/4
vlan 1254 enable name "ADMIN"

Paramétrage des ports du commutateur pour téléphone IP.

vlan port mobile 1/5
vlan port mobile 1/6
vlan port mobile 1/7
vlan port mobile 1/8
vlan port mobile 1/9
vlan port mobile 1/10
vlan port mobile 1/11
vlan port mobile 1/12
vlan port mobile 1/13
vlan port mobile 1/14
vlan port mobile 1/15
vlan port mobile 1/16
vlan port mobile 1/17
vlan port mobile 1/18
vlan port mobile 1/19
vlan port mobile 1/20
vlan port mobile 1/21
vlan port mobile 1/22
vlan port mobile 1/23
vlan port mobile 1/24
vlan port mobile 1/25
vlan port mobile 1/26
vlan port mobile 1/27
vlan port mobile 1/28

```
vlan port mobile 1/29
vlan port mobile 1/30
vlan port mobile 1/31
vlan port mobile 1/32
vlan port mobile 1/33
vlan port mobile 1/34
vlan port mobile 1/35
vlan port mobile 1/36
vlan port mobile 1/37
vlan port mobile 1/38
vlan port mobile 1/39
vlan port mobile 2/5
vlan port mobile 2/6
vlan port mobile 2/7
vlan port mobile 2/8
vlan port mobile 2/9
vlan port mobile 2/10
vlan port mobile 2/11
vlan port mobile 2/12
vlan port mobile 2/13
vlan port mobile 2/14
vlan port mobile 2/15
vlan port mobile 2/16
vlan port mobile 2/17
vlan port mobile 2/18
vlan port mobile 2/19
vlan port mobile 2/20
vlan port mobile 2/21
vlan port mobile 2/22
vlan 102 mac range [REDACTED]
```

Ajout des paramètre du VLAN administration

! VLAN SL:

! IP :

ip service all

ip interface dhcp-client vlan 1 ifindex 1

ip interface "ADMIN" address [REDACTED] mask [REDACTED] vlan [REDACTED] ifindex 2

Mise en place des protocoles de sécurité (Authentication Authorization Accounting)

! AAA :

aaa authentication console "local"

aaa authentication http "local"

aaa authentication snmp "local"

aaa authentication ssh "local"

Paramétrage de la QOS (quality of Service)

! QOS :

policy condition Visio source vlan 3

policy action PrioVisio priority 3 dscp 40

#Maximun 46

policy rule Visio condition Visio action PrioVisio

qos apply

Paramétrage du SNMP (Simple Network Management Protocol)

! SNMP :

```
snmp security no security
snmp community map "private" user "snmpADMIN" on
snmp community map "public" user "snmpREADONLY" on
snmp station [REDACTED] "snmpADMIN" v2 enable
```

Paramétrage du 802.1Q

! 802.1Q :

```
vlan 252 802.1q 1/45 "TAG PORT 1/45 VLAN 252"
vlan 252 802.1q 1/46 "TAG PORT 1/46 VLAN 252"
vlan 252 802.1q 1/47 "TAG PORT 1/47 VLAN 252"
vlan 252 802.1q 1/48 "TAG PORT 1/48 VLAN 252"
vlan 252 802.1q 2/1 "TAG PORT 2/1 VLAN 252"
vlan 252 802.1q 2/2 "TAG PORT 2/2 VLAN 252"
vlan 252 802.1q 2/3 "TAG PORT 2/3 VLAN 252"
vlan 252 802.1q 2/4 "TAG PORT 2/4 VLAN 252"
vlan 20 802.1q 2/23 "TAG PORT 2/23 VLAN 20"
vlan 21 802.1q 2/23 "TAG PORT 2/23 VLAN 21"
vlan 102 802.1q 2/23 "TAG PORT 2/23 VLAN 102"
vlan 252 802.1q 2/23 "TAG PORT 2/23 VLAN 252"
vlan 253 802.1q 2/23 "TAG PORT 2/23 VLAN 253"
vlan 1254 802.1q 2/23 "TAG PORT 2/23 VLAN 1254"
vlan 102 802.1q 1 "TAG AGGREGATE 1 VLAN 102"
vlan 157 802.1q 1 "TAG AGGREGATE 1 VLAN 157"
vlan 253 802.1q 1 "TAG AGGREGATE 1 VLAN 253"
```

Paramétrage du POE (Power Over Ethernet)

! POE :

```
Lanpower start 1
Lanpower start 2
```

Paramétrage du STP (Spanning Tree Protocol)

! STP :

```
bridge mode 1x1
bridge 1x1 1 priority 16384
bridge 1x1 20 priority 16384
bridge 1x1 21 priority 16384
bridge 1x1 102 priority 16384
bridge 1x1 157 priority 16384
bridge 1x1 252 priority 16384
bridge 1x1 253 priority 16384
bridge 1x1 1254 priority 16384
```

Paramétrage du NTP (Network time protocol)

! NTP :

```
ntp server unsynchronized
ntp server [REDACTED] prefer
ntp server [REDACTED]
ntp server [REDACTED]
ntp client enable
```