



VLAN ID	Nom	IPv4 (/24 ou /31)	Passerelle IPv4	IPv6 ULA (/64 ou /127)	Passerelle IPv6	DHCP / Fixe	Notes
10	Direction	10.100.10.0/24	10.100.10.1	fd00:10:100:10::/64	fd00:10:100:10::1	DHCP	
20	Laboratoire	10.100.20.0/24	10.100.20.1	fd00:10:100:20::/64	fd00:10:100:20::1	DHCP	
30	Études	10.100.30.0/24	10.100.30.1	fd00:10:100:30::/64	fd00:10:100:30::1	DHCP	
40	Technique (users)	10.100.40.0/24	10.100.40.1	fd00:10:100:40::/64	fd00:10:100:40::1	DHCP	
50	Administrateurs	10.100.50.0/24	10.100.50.1	fd00:10:100:50::/64	fd00:10:100:50::1	Fixe	Pas d'Internet; Bastion + MAJ
60	Bastion (Teleport)	10.100.60.0/24	10.100.60.1	fd00:10:100:60::/64	fd00:10:100:60::1	Fixe	Flux admin sortants uniquement
70	Serveurs internes	10.100.70.0/24	10.100.70.1	fd00:10:100:70::/64	fd00:10:100:70::1	Fixe	ADDS, WAPT/apt-cache, applicatif, web...
75	Supervision	10.100.75.0/24	10.100.75.1	fd00:10:100:75::/64	fd00:10:100:75::1	Fixe	Wazuh/rsyslog, Prometheus
80	Sauvegardes (NAS)	10.100.80.0/24	10.100.80.1	fd00:10:100:80::/64	fd00:10:100:80::1	Fixe	Hors AD
90	Imprimantes	10.100.90.0/24	10.100.90.1	fd00:10:100:90::/64	fd00:10:100:90::1	DHCP	IPPS via serveur d'impression
100	ToIP	10.100.100.0/24	10.100.100.1	fd00:10:100:100::/64	fd00:10:100:100::1	DHCP	SIP/TLS 5061 + SRTP
110	DMZ (Traefik+CrowdSec)	10.100.110.0/24	10.100.110.1	fd00:10:100:110::/64	fd00:10:100:110::1	Fixe	GUA /64 FAI; 443 → Web
201	Transit FW↔L3	10.100.201.0/31	Point-à-point	fd00:10:100:201::/127, /64 réservé	Point-à-point	Fixe	IPv6 point-à-point ULA /127: FW ::0/127, L3 ::1/127

Source VLAN	Destination VLAN	Protocoles / Ports autorisés	Remarques
VLAN 50 – Admins	VLAN 60 – Bastion	HTTPS (443)	Les postes admins se connectent uniquement au Bastion.
VLAN 50 – Admins	VLAN 70 – WAPT/apt-cacher-ng	TCP 443 (WAPT), TCP 3142 (apt-cacher-ng)	Pour mises à jour Windows/Linux via le serveur interne.
VLAN 50 – Admins	ANY autre	DENY	Isolation stricte, pas d'accès Internet.
VLAN 60 – Bastion	VLAN 70 – Serveurs internes	SSH (22), RDP (3389), WinRM HTTPS (5986), SMB3 (445 chiffré), HTTPS (443), LDAPS (636)	Administration via Bastion.
VLAN 60 – Bastion	VLAN 75 – Supervision	Syslog TLS (514)	Journaux du Bastion.
VLAN 10/20/30/40 – Utilisateurs	VLAN 70 – Serveurs internes	HTTPS (443)	Accès applicatifs métier.
VLAN 10/20/30/40 – Utilisateurs	VLAN 90 – Imprimantes	IPPS (631)	Impression sécurisée.
VLAN 10/20/30/40 – Utilisateurs	VLAN 100 – ToIP	SIP/TLS (5061), SRTP (UDP 10000–20000)	Téléphonie IP sécurisée.
VLAN 70 – Serveurs internes	VLAN 80 – Sauvegardes	SFTP (22)	Sauvegarde chiffrée vers NAS / Veeam.
VLAN 70 – Serveurs internes	VLAN 75 – Supervision	Syslog TLS (514)	Journaux vers Wazuh/Prometheus.
VLAN 70 – Serveurs internes	VLAN 110 – DMZ (Traefik)	HTTPS (443)	Reverse proxy → serveur web interne.
VLAN 75 – Supervision	VLAN 70 – Serveurs internes	HTTPS (443)	Supervision des services.
VLAN 90 – Imprimantes	VLAN 70 – Serveur impression	IPPS (631), SMB3 (445 chiffré)	Gestion centralisée.
VLAN 100 – ToIP	VLAN 70 – Serveur ToIP	SIP/TLS (5061), SRTP (UDP 10000–20000)	Communication VoIP.
VLAN 201 – Transit FW <-> L3	Tous VLANs	Routage	Transit point-à-point.
Internet	VLAN 110 – DMZ	HTTPS (443)	Accès public site web.
Internet	Pare-feu externe	VPN IPsec/IKEv2 (UDP 500/4500, ESP)	Connexions distantes admins.
VLAN 110 – DMZ	VLAN 70 – Serveur web interne	HTTPS (443)	Reverse proxy sécurisé.