2025.1.0 CloudVision Ports

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CloudVision Ports

Default Listening Ports

The following are the default ports being listened on:
- SSH - Port 22: Only the root account is accessible by default. The root user's password is chosen by the admin during setup.
- HTTPS - Port 443: This is globally accessible as a TLS secured HTTPS connection.
- HTTP - Port 80: HTTP web calls will redirect to HTTPS when made on this port. Some services may use HTTP for now while TLS upgrades are in progress.

Depending on other services running, some other ports may be seen open after setup:
- Telemetry - Port 9910: This uses gRPC over TLS with mutual authentication.

Following wifimanager ports are accessible from outside CVP host:
- 3851 UDP (WiFi-UDPProxy)
- 3851 TCP (WiFi-TLSProxy)
- 161 UDP (SNMP daemon)
- 4433 TCP (Client Cert based login to UI/API)
- 8090 TCP (DB Operations UI)

In a High Availability (HA, multi-node cluster) setup, other ports may be opened that are only accessible to other nodes. Accessibility is enforced via firewall rules.

Open Ports in CVP Cluster

The following is a list of ports opened between cluster nodes when CVP is run in HA mode. These ports are only accessible by the other CVP members in the cluster.

Port/Port-Range	Protocol	Notes
580	tcp	http (wifimanager)
694	udp	heartbeat (wifimanager)
2181	tcp	Zookeeper
2222	tcp	Ssh (wifimanager)
2379	tcp	etcd
2380	tcp	etcd
2888	tcp	Zookeeper

2889	tcp	Zookeeper
2890	tcp	Zookeeper
3853	udp	Wifimanager
3888	tcp	Zookeeper
3889	tcp	Zookeeper
3890	tcp	Zookeeper
5432	tcp	postgresql (wifimanager)
5443	tcp	https (wifimanager)
6443	tcp	Kubernetes Api-server
8000	tcp	API server
8020	tcp	Hadoop Namenode
8051	tcp	Ambassador authentication
8088	tcp	Grpc port for access control service
8443	tcp	ambassador envoy proxy
8472	udp	flannel port for sending VXLAN encapsulated packets
8480	tcp	JournalNode
8481	tcp	JournalNode
8485	tcp	JournalNode
9001	tcp	Hadoop Namenode
9092	tcp	Kafka
9200	tcp	elasticsearch
9300	tcp	elasticsearch
9900	tcp	API server
9911	tcp	CA port for ingest
9940	tcp	grpc queue for apiserver
9941	tcp	grpc queue for ingest
9942	tcp	broadcast storage for apiserver
9943	tcp	broadcast storage for ingest
9944	tcp	grpc queue for apiserver for searchsubscribe
9946	tcp	Access Control service
9964	tcp	session broadcast for apiserve
9997	tcp	broadcast storage for ingest search cache
9998	tcp	API server
10250	tcp	Kubernetes

15010	tcp	Hadoop Datanode
15020	tcp	Hadoop Datanode
15070	tcp	Hadoop Namenode
15075	tcp	Hadoop Datanode
15090	tcp	Hadoop Secondary Namenode
16000	tcp	Hbase Master
16201	tcp	Region Server
17000	tcp	ClickHouse port
17040	tcp	ClickHouse replication port
17080	tcp	ClickHouse monitoring
19531	tcp	systemd-journal-gatewayd.socket port

Open Ports used by Prometheus Scraper for Health Monitoring

Port/Port-Range	Protocol	Notes
6062	tcp	ingest monitoring
6063	tcp	apiserver monitoring
7070	tcp	zookeeper prom jmx
7072	tcp	hbase master prom jmx
7073	tcp	regionserver prom jmx
7074	tcp	namenode prom jmx
7075	tcp	zkfc prom jmx
7076	tcp	journalnode prom jmx
7077	tcp	datanode prom jmx
7079	tcp	elasticsearch prom jmx
9100	tcp	node_exporter