Port Utilization in Cisco VVB

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Table 1: Cisco VVB Port Utilization

Listener (Process or Application Protocol)	Listener Protocol and Port	Remote Device (Process or Application Protocol)	Remote Port	Traffic Direction	Notes
VBONINIT	TCP 1504	External process such as External DB clients (like Squirrel or others for custom reporting) can connect	—	Bidirectional	Cisco VVB database port
VVB_ Engine	SIP over TCP, SIP over UDP 5060	SIP	—	Bidirectional	Communicates with SIP gateway
VVB_ Engine	SIP over TLS 5061	SIP	—	Bidirectional	Communicates with SIP gateway
VVB_CVD	TCP 6161	Internal	6161	Bidirectional	Publishes JMS events across JMS network connectors in the cluster
CVD	TCP 6295	CVD of other node in cluster	—	Bidirectional	Bootstrap HTTPD service port
VVB_CVD	TCP 6999	Engine, Tomcat, CVD, and Editor	—	Bidirectional	RMI Port

Listener (Process or Application Protocol)	Listener Protocol and Port	Remote Device (Process or Application Protocol)	Remote Port	Traffic Direction	Notes
VVB_Engine	TCP 9080	—	—	Bidirectional	- Clients trying to access HTTP triggers, documents, prompts, or grammars - Tomcat instance used by Cisco VVB engine
Cisco IP Voice Media Streaming application	UDP 24576 ~ 32767	—	—	Bidirectional	- Audio media streaming. - Kernel streaming device driver

Table 2: Cisco VVB Ephemeral Port Utilization

Ephemeral (Process or Application Protocol)	Ephemeral Protocol and Port	Remote Device (Process or Application Protocol)	Remote Port	Traffic Direction	Notes
Generic Ports	TCP, UDP 32768 ~ 61000	—	—	Bidirectional	Generic ephemeral TCP and UDP ports

Note SIP signalling is possible over TCP or TLS. For RTP, underlying protocol is UDP always (not configurable). If TLS is used for SIP signalling, then the same exchanged keys will be used to encrypt and decrypt the RTP packets - for SRTP

To view the system services for port utilization for Cisco Virtualized Voice Browser, see System Services Port Utilization