



## Ports Opened in COS

The following table lists the system processes that are required or optional for this COS release, and identifies their corresponding ports and protocols.

*Table C-1 List of Ports Opened in this COS Release*

<b>Program</b>	<b>Port</b>	<b>Protocol</b>	<b>Description</b>
consul	8300	TCP	Service discovery and configuration
consul	8301	TCP	Service discovery and configuration
java	7000	TCP	Apache Cassandra database inter-node communication
java	9042	TCP	Apache Cassandra database client port
java	7199	TCP	Apache Cassandra database JMX monitoring port
master	25	TCP	Postfix mail server
ntpd	123	UDP	Time sync daemon
snmpd	161	UDP	SNMP agent
snmptrapd	162	UDP	SNMP application that receives and logs SNMP messages
sshd	22	TCP	Secure Shell
cosd	9090	TCP	cosd agent
ruby	8888	TCP	td-agent for log collection agent
monit	2812	TCP	Process Supervisor
RUS	2112	TCP	Rolling Update Service
clm	5001	TCP	Lock Manager
clm	5002	TCP	Lock Manager
node	8080	TCP	cos-aic-client
td-agent	5000	TCP	Collect CLM statistics for COS Telemetry

