

# Reference Architecture

Modified on 17 AUG 2017  
vRealize Operations Manager 6.6

**vmware**<sup>®</sup>

# Port Requirements for vRealize Operations Manager

# 8

vRealize Operations Manager has certain port requirements for its components. All ports specified are default ports.

## Internal Communications

The following components require internal communication.

**Table 8-1.** Communication Between Master Node and Replica Node

Component	Protocol	Port
Postgres Replica Database	TCP	5433

The XDB ports are required only when you upgrade to vRealize Operations Manager 6.1 or later and are not required for after the upgrade.

**Table 8-2.** Communication Between Analytics Nodes

Component	Protocol	Port
HTTPS	TCP	443
Gemfire Locator	TCP	6061
Gemfire	TCP	10000
Gemfire	TCP	20000:20010
Cassandra (inter-node)	TCP	7001
Cassandra client	TCP	9042

**Table 8-3.** Communication From Remote Collector to Analytics Node

Component	Protocol	Port
HTTPS	TCP	443
Gemfire Locator	TCP	6061,
Gemfire	TCP	10000

**Table 8-4.** Communication Between Remote Collector and Analytics Node

Component	Protocol	Port
HTTPS (Casa)	TCP	443

**Table 8-5.** Communication Between Remote Collector and Master and Data Nodes

Component	Protocol	Port
HTTP	TCP	80
HTTPS	TCP	443
Gemfire Locator	TCP	6061
Gemfire	TCP and UDP	10000:10010
Gemfire	TCP and UDP	20000:20010
NTP	UDP	123

**Table 8-6.** Communication From End Point Operations Management Agent to Analytics Node

Component	Protocol	Port
HTTPS	TCP	443

**Table 8-7.** Communication From End Point Operations Management Agent to Remote Collector

Component	Protocol	Port
HTTPS	TCP	443

## External Communications

The following components require external communications.

**Table 8-8.** Communication from Analytics Nodes and Remote Collectors to External Resources

Component	Protocol	Port
Platform Services Controller	TCP	443
DNS	TCP, UDP	53
LDAP	TCP	389
LDAPS	TCP	636
GC TCP	TCP	3268, 3269
NTP	UDP	123
SMTP	TCP	25
SNMP	UDP	161
Adapters	TCP	**
SSH	TCP	22

\*\* Ports required for adapters to communicate with external devices vary based upon the requirements of the device. Consult adapter documentation for required ports.

**NOTE** vROPS requires a TCP connection over HTTP via Port 10433 to connect to vSphere 5.x when retrieving inventory tag information.

**NOTE** The user interface and administrative interface to vROPS Operations Manager are through Port 443 with a TCP connection. See additional vROPS port information in the VMware vRealize Operations Manager 6.3 Information Center. Search on "How vRealize Operations Manager Uses Network Ports."