



# **Firewall requirements for MetroCluster Tiebreaker**

## **ONTAP MetroCluster**

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# Firewall requirements for MetroCluster Tiebreaker

MetroCluster Tiebreaker uses a number of ports to communicate with specific services.

The following table lists the ports that you must allow in your firewall:

Port/services	Source	Destination	Purpose
443 / TCP	Tiebreaker	Internet	Sending AutoSupport messages to NetApp
22 / TCP	Management host	Tiebreaker	Tiebreaker Management
443 / TCP	Tiebreaker	MetroCluster management LIFs	Secure communications via HTTP (SSL)
22 / TCP	Tiebreaker	MetroCluster management LIFs	Secure communications via SSH
443 / TCP	Tiebreaker	MetroCluster management LIFs	Secure communications via HTTP (SSL)
22 / TCP	Tiebreaker	MetroCluster management LIFs	Secure communications via SSH
162 / UDP	Tiebreaker	SNMP trap host	Used to send alert notification SNMP traps
ICMP (ping)	Tiebreaker	MetroCluster management LIFs	Check if cluster IP is reachable
ICMP (ping)	Tiebreaker	MetroCluster management LIFs	Check if node IP is reachable

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