## Which TCP and UDP ports are used by NEC ExpressCluster X?

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## Question

Which TCP and UDP ports are used by NEC ExpressCluster X?

## Answer

The following TCP ports are used:

29001 - Server internal communication port
29002 - Data transfer port
29003 - WebManager HTTP communication port
29004 - Port for communication between disk agents
29005 - Port for communication between mirror drivers
29007 - Client service communication port

The following UDP ports are used:

29003 - Alert synchronization port 29007 - Client service communication port 29106 - Heartbeat port

All listed ports must be open and available, and not blocked or scanned.

Applies To

NEC ExpressCluster X

## Additional Information

For more information, refer to "Communication port number" in the Notes and Restrictions chapter in the ExpressCluster X *for Windows* Getting Started Guide.