

Port Requirements for Veritas Desktop and Laptop Option 9.8

This document provides details of the Port configuration for the DLO Server components and DLO Clients in a firewall environment.

The DLO Desktop Agents can be installed on endpoints that are connected either over the corporate network or in the Backup Over Internet (BOI) mode using the private internet connection.

Following are the port configuration details for the three deployment scenarios:

- **Non BOI Deployment:** For organizations having endpoints that are always within the organization premises and are connected over the corporate network.
- **Exclusive BOI Deployment:** For organizations having endpoints that are always outside the corporate network and connect only using internet connection.
- **Occasional BOI Deployment:** For organizations having endpoints that are occasionally outside the organization premises, during which they connect using internet connection, but are otherwise within the organization premises connecting over the corporate network.

Port Configuration for DLO Server Components

Process	Port	Port Type	Non BOI Deployment	Exclusive BOI Deployment	Occasional BOI Deployment
DLO Administration Service	3999	TCP/UDP	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Administration Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Administration Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Administration Server
SQL Server Browser	1434	UDP	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server Destination (Inbound): SQL Server	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO IO Server Destination (Inbound): SQL Server	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO IO Server Destination (Inbound): SQL Server
SQL Server	1433 or dynamic port	TCP	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server Destination (Inbound): SQL Server	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO IO Server Destination (Inbound): SQL Server	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO IO Server Destination (Inbound): SQL Server

Process	Port	Port Type	Non BOI Deployment	Exclusive BOI Deployment	Occasional BOI Deployment
File Sharing/ Browsing	135-139, 445	TCP/UDP	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO Maintenance Server Destination (Inbound): Storage Location Dedupe Storage Location SQL Server	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO Maintenance Server DLO IO Server Destination (Inbound): Storage Location Dedupe Storage Location SQL Server	Source (Outbound): DLO Administration Server DLO Administration Console DLO Dedupe Server DLO Maintenance Server DLO IO Server Destination (Inbound): Storage Location Dedupe Storage Location SQL Server
Dedupe Port	8443	HTTPS	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Dedupe Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Dedupe Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Dedupe Server
Dedupe Port	8080	HTTP	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Dedupe Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Dedupe Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Dedupe Server
Dedupe Port	8009	AJP	NA	Source (Outbound): DLO Edge Server Destination (Inbound): DLO Dedupe Server	Source (Outbound): DLO Edge Server Destination (Inbound): DLO Dedupe Server
Edge Server Port	443	HTTPS	NA	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Edge Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Edge Server
Edge Server Port	90	HTTP	NA	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Edge Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO Edge Server
IO Server Port	7080	HTTP	NA	Source (Outbound): DLO Administration Console Destination (Inbound): DLO IO Server	Source (Outbound): DLO Administration Console Destination (Inbound): DLO IO Server

Process	Port	Port Type	Non BOI Deployment	Exclusive BOI Deployment	Occasional BOI Deployment
IO Server Port	7009	AJP	NA	Source (Outbound): DLO Edge Server Destination (Inbound): DLO IO Server	Source (Outbound): DLO Edge Server Destination (Inbound): DLO IO Server
Additional Ports for Push Installation	135, 1037, 441, 1125 Dynamic Ports (49152 – 65535)	TCP	Source (Outbound): DLO Administration Server DLO Administration Console Destination (Inbound): DLO Clients	NA	Source (Outbound): DLO Administration Server DLO Administration Console Destination (Inbound): DLO Clients
Additional Ports for DLO Dashboard and Diagnostic Utility	135, 443	TCP	NA	Source (Outbound): DLO Administration Server DLO Administrator Console DLO Edge Server Destination (Inbound): DLO Administration Server DLO Administrator Console DLO Edge Server	Source (Outbound): DLO Administration Server DLO Administrator Console DLO Edge Server Destination (Inbound): DLO Administration Server DLO Administrator Console DLO Edge Server

Port Configuration for DLO Clients

Process	Port	Port Type	Non BOI Deployment	Exclusive BOI Deployment	Deployment for Occasional BOI
Edge Server Port	443	HTTPS	NA	Source (Outbound): DLO Clients* Web Restore Machine Destination (Inbound): DLO Edge Server	Source (Outbound): DLO Clients* Web Restore Machine Destination (Inbound): DLO Edge Server
* If multiple Edge Servers are configured, ensure to have the ports opened from the Client to the Default Edge Server and the tagged Edge Server.					
File Sharing/ Browsing	135-139, 445	TCP/UDP	Source (Outbound): DLO Clients Destination (Inbound): Storage Location Dedupe Storage Location	NA	Source (Outbound): DLO Clients Destination (Inbound): Storage Location Dedupe Storage Location
Dedupe Port	8443	HTTPS	Source (Outbound): DLO Clients Destination (Inbound): DLO Dedupe Server	NA	Source (Outbound): DLO Clients Destination (Inbound): DLO Dedupe Server
Dedupe Port	8080	HTTP	Source (Outbound): DLO Clients Destination (Inbound): DLO Dedupe Server	NA	Source (Outbound): DLO Clients Destination (Inbound): DLO Dedupe Server

Process	Port	Port Type	Non BOI Deployment	Exclusive BOI Deployment	Occasional BOI Deployment
SQL Server Browser	1434	UDP	Source (Outbound): DLO Clients Destination (Inbound): SQL Server	NA	Source (Outbound): DLO Clients Destination (Inbound): SQL Server
SQL Server	1433 or dynamic port	TCP	Source (Outbound): DLO Clients Destination (Inbound): SQL Server	NA	Source (Outbound): DLO Clients Destination (Inbound): SQL Server