Port Requirements for Veritas Desktop and Laptop Option 9.3.1

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 DLO Edge Server **Destination (Inbound)**: SQL Server	**Source (Outbound)**: DLO Administration Server DLO Administration Console DLO Dedupe Server DLO IO Server DLO Edge 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 DLO Edge Server **Destination (Inbound)**: SQL Server	**Source (Outbound)**: DLO Administration Server DLO Administration Console DLO Dedupe Server DLO IO Server DLO Edge 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 DLO Edge Server **Destination (Inbound):** Storage Location Dedupe Storage Location SQL Server DLO Administration Server	**Source (Outbound):** DLO Administration Server DLO Administration Console DLO Dedupe Server DLO Maintenance Server DLO IO Server DLO Edge Server **Destination (Inbound):** Storage Location Dedupe Storage Location SQL Server DLO Administration 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	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

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 *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.*	**Source (Outbound):** DLO Clients* Web Restore Machine **Destination (Inbound):** DLO 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
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