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## List of TCP/UDP ports used by Backup Exec 11d and above (including CPS and DLO) and BE System Recovery (BESR)

Article: 100017825    Last Published: 2017-07-14    Ratings: 😊 10 ☹ 6

Product(s): Backup Exec, Desktop Laptop Option, System Recovery

### Problem

This article provides a list of TCP/UDP ports required by Backup Exec for Windows Servers 11d and above (including Continuous Protection Server and Desktop & Laptop Option) and Backup Exec System Recovery (BESR).

### Solution

#### Backup Exec for Windows Servers Ports:

Service or Process	Port	Port Type
Backup Exec Agent Browser (process=benetns.exe)	6101	TCP
Backup Exec Remote Agent for Windows Servers (process=beremote.exe)	10000	TCP
Backup Exec Server (process=beserver.exe)	3527	TCP
	6106	TCP
MSSQL\$BKUPEXEC (process=sqlservr.exe)	1125	TCP
	1434 (ms-sql-m)	UDP
Backup Exec Remote Agent for NetWare	10000 (Backup Exec 10.x)	TCP
	6102 (Backup Exec 9.x)	TCP
Oracle Agent for Windows and Linux Servers	Random port unless configured otherwise	
DB2 Agent for Windows and Linux Servers	Random port unless configured otherwise	
Remote Agent for Linux or Unix Servers (RALUS)	Default NDMP port, typically 10000	TCP
Kerberos	88	UDP
NETBIOS	135	TCP, UDP
NETBIOS Name Service	137	UDP
NETBIOS Datagram Service	138	UDP
NETBIOS Session Service	139	TCP
NETBIOS (Windows 2000)	445	TCP
DCOM/RPC	3106	TCP
Backup Exec Remote Agent	6103	TCP
Push Install -- Check for conflicts in message queue for CASO which is part of beserver.exe	103x	TCP
Push Install -- SMB2	445	TCP
SMTP email notification	25 outbound from media server	TCP
SNMP	162 outbound from media server	TCP
FTP	21	TCP
HTTP	80	TCP
HTTPS	443	TCP

#### Backup Exec for Windows Servers Listening Ports:

First, it is important to understand the difference between using a port for listening versus for dynamic or ad-hoc communication.

When Backup Exec for Windows Servers is not running any operations, the various services are listening on ports for incoming communication from other services and/or agents.

During operations such as backups, a Backup Exec for Windows Server will first communicate to the Remote Agent on the static listening port (control connection) and then pass data back and forth using dynamic (ad-hoc) ports that are either random (by default) or can be configured to use a specific range.

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