

These are the system requirements for PlanetPress Connect 2022.2.3

Operating System (64-bit only)

- Microsoft Windows 2012/2012 R2 Server
- Microsoft Windows 2016 Server
- Microsoft Windows 2019 Server
- Microsoft Windows 2022 Server
- Microsoft Windows 8.1
- Microsoft Windows 10 (Pro and Enterprise versions only)
- Microsoft Windows 11

Note:

Windows 2008 R2 Server, Windows 7.0, Windows 8.0, Windows XP, Windows 2003 and older versions are not supported by PlanetPress Connect.

Windows 2012 Server is **NOT** supported for Connect Send.

Virtual Environments Requirements

PlanetPress Workflow Support the following virtual environments:

- VMWare/VSphere
- Microsoft Hyper-V (8.0)
- Azure
- Amazon Web Services (AWS)
 - Note that only EC2 M4 was certified, other instances may not work as expected.

PlanetPress Workflow is *not* officially supported on any other virtual machines such as Virtual PC, Parallels, Bochs, Xen, etc. While running PlanetPress Workflow on these virtual machines may work fine we have not tested them and cannot offer support for them.

The PlanetPress Workflow End-User License Agreement (EULA) specifies that a PlanetPress Workflow software license may only be used on a single virtual or physical PC at a time. While copying a virtual machine for backup purposes is acceptable, running two instances of the same machine, using the same serial number, is strictly prohibited.

Minimum Hardware Requirements

Due to its versatility, OL Connect is used for a wide variety of applications. Consequently, it is difficult to determine which hardware configuration will produce the best results for any given implementation. The following specs should therefore be viewed as a general guideline that is most likely to produce expected results for most implementations. You should, however, keep in mind that it may not represent the optimal setup for your particular application.

- NTFS Filesystem (FAT32 is not supported)
- CPU Intel Core i7-4770 Haswell (4 Core) or better
- 32GB RAM
- Disk Space: At least 500GB (1TB & Solid-State Drive Recommended)

High-Performance Hardware

The following is suggested when processing speed is important. Before looking into a Performance Packs to enhance performance, ensure that the below requirements are met.

- **A physical, non-virtualized server.** VMWare servers are great for reducing the numbers of physical machines in your IT space, but they must share the hardware between each other. While you can create a virtual machine that seems as powerful as a physical, it will still be sharing hardware with any other virtual machines, and this will adversely affect performance.
- **MariaDB Database on a separate machine.** MariaDB's main possible bottleneck is file I/O, and as such a high-performance setup will require this server to be on a separate machine, ideally with a high performance, low-latency hard drive. A Solid-State Drive (SSD) would be recommended.
- **High-Quality 32+ GB RAM.** This is especially true when working with many server instances ("speed units") running in parallel. The more parallel processing, the more RAM is recommended.
- **4 or 8 physical cores.** We are not talking Hyper-Threading here, but physical cores. Hyper-Threading is great with small applications, but the overhead of "switching" between the virtual cores, and the fact that, well, they're virtual, means the performance is much lesser on high-power applications such as OL Connect. In short, a dual-core processor with Hyper-Threading enabled is not equivalent to a quad-core processor.

Antivirus Considerations

PlanetPress Workflow generates a very large amount of temporary data on your hard disk, especially when manipulating or creating PDF files. This can sometimes cause issues when any other software is trying to access the temporary files at the same time as PlanetPress Workflow and its components are trying to read, write, create or delete those files.

If you experience these issues you may want to temporarily disable your antivirus "live", "daily" or "deep" scans for the following folders and processes:

WARNING:

Disabling any antivirus scanning permanently on any folder or program is not recommended, and Objectif Lune cannot be held reliable for any consequence of disabling your antivirus or whitelisting the folders or executables listed here, or any other change in your antivirus protection setup!

- On Windows 7/2008:
 - C:\ProgramData\Objectif Lune\PlanetPress Workflow 8\
 - C:\Users\[user]\AppData\Local\Temp\ (where [user] is the user under which Workflow is configured)
 - C:\Users\[user]\Connect (where [user] is the user under which Workflow is configured)
- On all systems:
 - C:\Windows\Temp\

Note:

C:\Windows\Temp\ is used by multiple software which may cause risks on your computer. However, PlanetPress Workflow may use this folder as temporary storage, especially in the case of creating PDF files. We do not recommend disabling scan on this folder, unless you notice performance issues when generating PDFs, and then only as a test.


- Processes:
 - FTPPutService.exe
 - HTTPService.exe
 - LPDService.exe
 - LPRService.exe
 - PPWatchService.exe
 - PSWService.exe
 - SerialService.exe
 - SMTPService.exe
 - TelnetService.exe
 - ppNode.exe
 - PPFaxService.exe
 - PPIImageService.exe
 - MessengerService.exe

Network Considerations

While PlanetPress Workflow is typically installed on a server machine that is only accessed by one single user such as an IT person, multiple users logging on to that machine is a possibility. Because each user may have different local and network rights, it may be important to consider the implications in regard to PlanetPress Workflow.

Local and Network Rights

Programs, such as PlanetPress Workflow and all its services, must identify themselves in order to be granted permission to perform operations on the computer on which they run as well as on other computers accessible via a network connection. On a given workstation, you can configure your PlanetPress Workflow to use either the local system account or any specific user account. When you do this, you grant PlanetPress Workflow and all its services the same rights associated with the selected account.

When you are running PlanetPress Workflow Configuration program on a workstation, if it is associated with an account that is different from your account, the following icon is displayed in the lower right corner of PlanetPress Workflow Configuration program: . The icon reminds you that the logon information is different for the PlanetPress Workflow services, and that some network resources may not be accessible by PlanetPress Workflow when running a live configuration.

Account Requirements

PlanetPress Workflow and its services require administrator rights to run on any given computer and must therefore be associated with an account that has such rights.

We recommend creating a network or domain account specifically for the PlanetPress Workflow services, which has administrator credentials on the machine where it is installed and is given proper rights for any network resources your configuration may request.

Network Ports Used by Each Service

The port configuration for each PlanetPress Workflow Input task or Output task is described in the following table. The port number assignments comply with Internet standards. If a PlanetPress Workflow component is not active, the port is not used.

Component	Protocol	Local Port	Remote Port
Email Input (POP3 mode)	TCP	Default ¹	110
Email Input (Outlook mode)		see Remote Port	See Network Ports Used by Key Microsoft Server Products
Folder Capture		Default ¹	Standard Windows file and printer sharing ports ² : <ul style="list-style-type: none"> • UDP 137, 138; TCP 139 (NetBIOS over TCP/IP (NetBT)) • UDP 445; TCP 445 (SMB over TCP/IP)
LPD Input		515 (listening port)	N/A
FTP Input	TCP	Default ¹	21
Telnet Input	TCP	Default ¹	9100 (configurable)
FTP Output	TCP	Default ¹	21
Email Output (SMTP mode)	TCP	Default ¹	25
Email Output (Outlook mode)	TCP	See Email Input (Outlook mode)	See Email Input (Outlook mode)
Send to Folder Windows Queue Output	TCP	Default ¹	Standard Windows file and printer sharing ports ² : <ul style="list-style-type: none"> • 137, 138 and/or 139 (NetBIOS over TCP/IP (NetBT)) • 445 (SMB Over TCP/IP)
LPR Output	TCP	Default or 721 to 731 ³	515
PlanetPress Database	TCP or UDP	Unknown ⁴	Unknown ⁴
SNMP Condition	UDP	Default ¹	161

¹ Value is greater than 1024 and is assigned by Windows XP. This is the default.

² Windows NT 4.0 uses NetBIOS over TCP/IP for file and printer sharing, while Windows 2000, Windows XP, and Windows Server 2003 may be configured to use NetBIOS over TCP/IP or SMB over TCP/IP. The operating system may use additional ports. Refer to the Windows documentation for further information.

³ If the "No source port range restriction" option is checked (recommended), see footnote 1. If the option is unchecked, the local port will be chosen from a range going from 721 to 731.

⁴ Contact your DBMS vendor to determine which ports are used by the ODBC driver for accessing a network database.

Additional PB Command Center Considerations

The PB Command Center is provided as-is, at no charge, to assist in the operation of PlanetPress solutions developed by Pitney Bowes. It may not work for every customer or in every environment.

The PB Command Center is programmed to contact an update server to check for a newer version of the software, thus triggering a download and update. The following URL's need to be reachable for the software to check for and download a newer version:

<https://ccmapps.pb.com/pbsoftware/pbcommandcenter/>

<https://ccmapps.pb.com/pbsoftware/pbcommandcentercertified/>