

# System Requirements

## Supported Operating Systems (standalone installation)

The following operating systems are supported for standalone installation:

- Solaris 9, 10 (x86, SPARC)
- Linux Kernel versions 2.6.x and later (x86: 32-bit, 64-bit)
- Windows 2003 / 2008 / 2012 (32-bit, 64-bit)
- Windows XP (32-bit)
- Windows Vista (32-bit, 64-bit)
- Windows 7 (32-bit, 64-bit)
- Mac OS X 10.5 and 10.6 (32-bit, 64-bit)
- AIX 5.2 and 5.3
- HP-UX 11iv2 (11.22) and 11iv3 (11.31) (PA-RISC or Itanium)

## Supported Application Servers

The following are supported Application Servers for deployment of XpoLog as an application (requires JAVA 1.6+):

- Tomcat 5.5+
- JBoss 4+
- WebSphere 6.1+
- WebLogic 9+

**Note:** XpoLog is known to run on additional application servers. However, it was tested only on the above servers.

## JAVA

**JAVA 1.6** or later is required. JAVA 1.7 is recommended.

## Supported Browsers

The following browsers are supported:

- Mozilla Firefox
- MS Internet Explorer
- Google Chrome

## Required Ports

The following are the default ports which should be opened:

- 30303 - HTTP client access to XpoLog web interface and communication between different XpoLog instances (can be modified if needed)
- 30443 - HTTPS client access to XpoLog web interface and communication between different XpoLog instances (can be modified if needed)
- 22 - In order to enable XpoLog to establish connections to remote machines over SSH (can be modified if needed)
- 25 - In order to enable XpoLog to use a SMTP server to send emails (can be modified if needed)
- Alerting:
  - 162 - In order to enable XpoLog to send SNMP traps (can be modified if needed)
  - 7676 - In order to enable XpoLog to send JMS messages (can be modified if needed)
- 389 - In order to enable XpoLog to authenticate users against an Active Directory (can be modified if needed)
- JDBC - In case XpoLog is planned to connect to databases using JDBC drivers, it is mandatory to open the relevant ports:
  - Oracle - 1521 (can be modified if needed)
  - MSSQL - 1433 (can be modified if needed)
  - MySQL - 3306 (can be modified if needed)
  - DB2 - 50000 (can be modified if needed)

- Postgres - 5432 (can be modified if needed)
- Windows Only:
  - 135-139, 445 - Share and UNC access to remote servers

## Hardware Recommendations

### Standard

The following is hardware recommendation for up to 3 concurrent users, and < 2 GB of daily logs volume:

- 4 CPU cores (2.5-3 GHz per core)
- Standard Linux or Windows 64-bit or 32-bit distribution
- 4 GB RAM

### Recommended

The following is hardware recommendation for up to 5 concurrent users, and < 10 GB of daily logs volume:

- 8 CPU cores (3 GHz per core)
- Standard Linux or Windows 64-bit OS
- 8 GB RAM

### Cluster

The following is hardware recommendation for up to 25 concurrent users, and higher daily logs volume:

(contact [support@xpolog.com](mailto:support@xpolog.com) to determine if a cluster is needed. More information about clustering can be found [here](#). See installations details at [XpoLog Cluster Installation](#))

- **Processor node**
  - <30 GB/day (minimum): 4 CPU cores, 8 GB memory, 64-bit OS
  - <100 GB/day: 8 CPU cores, 16 GB memory, 64-bit OS
  - <500 GB/day: 16 CPU cores, 16 GB memory, 64-bit OS
- **UI node**
  - <30 GB/day (minimum): 4 CPU cores, 8 GB memory, 64-bit OS
  - <100 GB/day: 4 CPU cores, 16 GB memory, 64-bit OS
  - <500 GB/day: 8 CPU cores, 16 GB memory, 64-bit OS

## Storage

XpoLog collection, index and search operations benefit from a disk subsystem that is designed to the system's needs.

**Capacity:** Generally, the total required storage is calculated based on [DAILY AVERAGE LOG] x [RETENTION POLICY] x 1/2

The required storage for standard application logs may be closer to 35%. It is possible to tune the indexing density to reduce the required storage down to 15%.

**Architecture:** RAID 0, 10, 01, 0+1 will give the best performance, while RAID 5 will offer the worst performance.

**Performance:** XpoLog does many bulk reads/writes and many disk seeks. We recommend storage that provides high number (1000+) of random input/output operations per second (IOPS).

**Note:** In Linux/Solaris standalone installations, it is recommended to allocate a high number of open files and processes to the user that runs XpoLog.

For more information please see [Post Installation Recommendations](#) or contact [support@xpolog.com](mailto:support@xpolog.com) for more details