

# System requirements

[Date: 2017-12-06 | Version: 68]

Here you will find an overview of the system requirements for all software products from ELO Digital Office GmbH.

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## 1 Overview of the client requirements

Minimum requirements to install the clients.

	Windows 7	Windows 8.1	Windows 10	.NET 4.6.1	Java 8
ELO Windows Client	✓	✓	✓	-	-
ELO Java Client	✓	✓	✓	-	✓
ELO Web Client	✓	✓	✓	-	-
ELO Client for Microsoft Outlook*	✓	✓	✓	✓	-
ELO Client for Microsoft Word*	✓	✓	✓	✓	-
ELO Client for Microsoft PowerPoint*	✓	✓	✓	✓	-
ELO Client for Microsoft Excel*	✓	✓	✓	✓	-

\* Please use the "Full version".

### Overview of the client requirements

Minimum requirements to install the clients.

## 2 Overview for database support

	Microsoft Windows SQL Server 2008 R2	Microsoft Windows SQL Server 2012	Microsoft Windows SQL Server 2014	Microsoft Windows SQL Server 2016	Oracle 11g	Oracle 12c	IBM DB2 10.1, 10.5	PostgreSQL 9.3 and above
ELOprofessional Server 10 Windows	✓	✓	✓	✓	✓	✓	✓	✓
ELOenterprise Server 10 Windows	✓	✓	✓	✓	✓	✓	✓	✓
ELOenterprise Server 10 Linux	✓	✓			✓		✓	✓
ELOenterprise Server 10 Solaris	✓	✓			✓		✓	
ELO BLP*	✓	✓	✓	✓				
ELO DocXtractor II 4.3**	✓	✓	✓	✓	✓	✓	✓	
ELO Business Solutions (all)	✓	✓	✓	✓	✓	✓	✓	✓

\* MS Express is also supported if only Oracle is available

\*\* Refer to the document "ELO DocXtractor II 4.3 Hardware and Software Requirements" for a detailed list of supported database driver versions. Please note this file is only available in German.

## 3 ELOprofessional Server 10

### 3.1 Windows

#### 3.1.1 Operating system

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Microsoft Windows 7/8.1 (for ELO Notebook Client ArcSync)
- Microsoft Windows Server 2016

**Note on Windows Server 2012 and ELO Administration Console:** In Windows Server 2012, the ELO Administration Console cannot be started in Internet Explorer because Flash is not installed by default. On the Windows Server, the "Desktop Experience" feature must be installed under "Roles and Features". The computer must be restarted afterwards.

#### 3.1.2 Databases

- Microsoft Windows SQL Server 2008 R2
- Microsoft Windows SQL Server 2012
- Microsoft Windows SQL Server 2014
- Microsoft Windows SQL Server 2016
- Oracle 11g
- Oracle 12c
- IBM DB2 10.1, 10.5 for Linux, Unix and Windows
- PostgreSQL 9.3 and above

**Note:** When using an Oracle database, please make sure it uses the correct character set. You can find additional information on this topic in the ELO Oracle manual.

**Information on the iSearch:** After installation, the Lucene program library used for the iSearch requires sufficient memory to reindex the repository documents for the full text search. A Lucene index for one million data sets (documents) in ELO requires approximately 10 GB of disk space. If you have a 10 GB index, you will required an additional 30 GB of storage space for reindexing to create the index and for the Optimizer. You can use these figures as a guideline if you need to calculate storage requirements for installations with more documents.

### 3.1.3 Tomcat and Java

**Note:** ELOprofessional 10 includes Java and a 64-bit modified version of Tomcat (ELO Application Server).



## 4 ELOenterprise Server 10

### 4.1 Windows

#### 4.1.1 Operating system

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 R2
- Microsoft Windows 7/8.1 (for ELO Notebook Client ArcSync)
- Microsoft Windows Server 2016

**Note on Windows Server 2012 and Administration Console:** In Windows Server 2012, the Administration Console cannot be started in Internet Explorer because Flash is not installed by default. On the Windows Server, the "Desktop Experience" feature must be installed under "Roles and Features". The computer must be restarted afterwards.

#### 4.1.2 Databases

- Microsoft Windows SQL Server 2008 R2
- Microsoft Windows SQL Server 2012
- Microsoft Windows SQL Server 2014
- Microsoft Windows SQL Server 2016
- Oracle 11g
- Oracle 12c
- IBM DB2 10.1, 10.5 for Linux, Unix and Windows
- PostgreSQL 9.3 and above

**Note:** When using an Oracle database, please make sure it uses the correct character set. You can find additional information on this topic in the ELO Oracle manual.

**Information on the iSearch:** After installation, the Lucene program library used for the iSearch requires sufficient memory to reindex the repository documents for the full text search. A Lucene index for one million data sets (documents) in ELO requires approximately 10 GB of disk space. If you have a 10 GB index, you will required an additional 30 GB of storage space for reindexing to create the index and for the Optimizer. You can use these figures as a guideline if you need to calculate storage requirements for installations with more documents.

#### 4.1.3 Java (Oracle)

- Java Runtime Environment (JRE) 8 (64-bit)

The setup includes Java 8 (1.8.0\_77).

**Please note:** In order to run ELO components on Windows, the Runtime (JRE) version is sufficient. Use of a developer suite is not necessary.

#### 4.1.4 Tomcat

The setup includes a Tomcat server (8.0.33).

## 4.2 Linux

Please use a current Linux Suse Enterprise distribution.

### 4.2.1 Operating system

systemd is running as a background service on Linux.

- Red Hat 7 and higher
- SUSE Linux Enterprise Server 12 (SLES) and higher
- Ubuntu 15.10 and higher
- Ubuntu 16.04 and higher

### 4.2.2 Databases

- Microsoft SQL Server 2008 R2 (on separate Windows Server)
- Microsoft SQL Server 2012 R2 (on separate Windows Server)
- Oracle 11g
- IBM DB2 9.5, 10.5 for Linux, Unix and Windows
- PostgreSQL 9.3 and above

**Information on the iSearch:** After installation, the Lucene program library used for the iSearch requires sufficient memory to reindex the repository documents for the full text search. A Lucene index for one million data sets (documents) in ELO requires approximately 10 GB of disk space. If you have a 10 GB index, you will required an additional 30 GB of storage space for reindexing to create the index and for the Optimizer. You can use these figures as a guideline if you need to calculate storage requirements for installations with more documents.

### 4.2.3 Java

- Oracle Java Runtime Environment (JRE) 8

### 4.2.4 Tomcat

- 8.0

## 4.3 Solaris

### 4.3.1 Databases

- Microsoft SQL Server 2008 R2 (on separate Windows Server)
- Microsoft SQL Server 2012 R2 (on separate Windows Server)
- Oracle 11g
- IBM DB2 9.5/10.5 for Linux, Unix and Windows

**Information on the iSearch:** After installation, the Lucene program library used for the iSearch requires sufficient memory to reindex the repository documents for the full text search. A Lucene index for one million data sets (documents) in ELO requires approximately 10 GB of disk space. If you have a 10 GB index, you will required an additional 30 GB of storage space for reindexing to create the index and for the Optimizer. You can use these figures as a guideline if you need to calculate storage requirements for installations with more documents.

### 4.3.2 Java

- Java Runtime Environment (JRE) 8

### 4.3.3 Tomcat

- 8.0

## 5 ELO Administration Console 10

**Please note:** The version of the ELO Administration Console must be compatible with the corresponding ELO Indexserver. Please also read the notes in the server setup.

### 5.1 Software

- ELO Indexserver version 10.000 or higher
- ELO Application Server or an ELOenterprise installation
- Java version 8 higher
- Adobe Flash Player version 10 or higher

### 5.2 Web browser

- Internet Explorer from version 11
- Current versions of Firefox or Chrome

## 6 ELO Windows Client 10

### 6.1 Hardware

- The hardware recommended for the configuration of the operating system in use is also required to run ELO.

### 6.2 Software

#### 6.2.1 Operating system

- Microsoft Windows Vista
- Microsoft Windows 7
- Microsoft Windows 8.1
- Microsoft Windows 10

and

- TCP/IP v4
- Current version of Microsoft Internet Explorer

#### 6.2.2 Microsoft Office

Versions supported:

- Microsoft Office 2010 Professional
- Microsoft Office 2010 Home and Business (with certain known restrictions, for example the viewer)
- Microsoft Office 2013 Professional
- Microsoft Office 2013 Home and Business (with certain known restrictions, for example the viewer)
- Microsoft Office 2016 Professional
- Microsoft Office 2016 Home and Business (with certain known restrictions, for example the viewer)
- Office 365 – Microsoft Office 365 ProPlus, full version

### 6.3 Notes



**Information:** The online versions included in Office 365 are not supported.



**Information:** A preview is a simplified display that may deviate from how the document is displayed in the application. If there are major deviations, or no preview is offered, use the application to show the document type.

## 7 ELO Java Client 10

### 7.1 Hardware

- The hardware recommended for the configuration of the operating system in use is also required to run ELO.

### 7.2 Software

#### 7.2.1 Operating system

- Microsoft Windows Vista
- Microsoft Windows 7
- Microsoft Windows 8.1
- Microsoft Windows 10
  
- Mac OS X 10.7 (Lion)
- Mac OS X 10.8 (Mountain Lion)
- Mac OS X 10.9 (Mavericks)
- Mac OS X 10.10 (Yosemite)
- Mac OS X 10.11 (El Capitan)
  
- Linux

#### 7.2.2 Microsoft Office


Versions supported:

- Microsoft Office 2010 Professional
- Microsoft Office 2010 Home and Business (with certain known restrictions, for example the viewer)
- Microsoft Office 2013 Professional
- Microsoft Office 2013 Home and Business (with certain known restrictions, for example the viewer)
- Microsoft Office 2016 Professional
- Microsoft Office 2016 Home and Business (with certain known restrictions, for example the viewer)
- Office 365 – Microsoft Office 365 ProPlus, full version



**Information:** The online versions included in Office 365 are not supported.

### 7.3 Notes

 A blue circular icon containing a white lowercase letter 'i', representing an information or note.	<p><b>Information:</b> A preview is a simplified display that may deviate from how the document is displayed in the application. If there are major deviations, or no preview is offered, use the application to show the document type.</p>
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### 7.3.1 Java

Windows:

- JRE 8 64-bit
- JRE 8 32-bit

Mac OS X:

- JRE 8 64-bit (included)

Linux:

- Current Oracle JDK version (8 / 1.8.x)

**OR**

- Current version of OpenJDK (8/1.8x) and OpenJFX

## 8 ELO Web Client 10

### 8.1 Software - Browser

- Internet Explorer 11 and higher
- Firefox – The most current officially available version
- Safari – The most current officially available version
- Chrome – The most current officially available version

### 8.2 Notes



**Information:** A preview is a simplified display that may deviate from how the document is displayed in the application. If there are major deviations, or no preview is offered, use the application to show the document type.

## 9 ELO Client for Microsoft Outlook

### 9.1 Software

#### 9.1.1 Version 10.1

- Microsoft Outlook 2010, full version
- Microsoft Outlook 2013, full version
- Microsoft Outlook 2016, full version
- Office 365 – Microsoft Office 365 ProPlus, full version

**Information:** The online versions included in Office 365 are not supported.

- Microsoft .NET Framework 4.6.1

#### 9.1.2 Version 10

- Microsoft Outlook 2010, full version
- Microsoft Outlook 2013, full version
- Microsoft Outlook 2016, full version
- Microsoft .NET Framework 4.6.1

#### 9.1.3 Version 9.3

- Microsoft Outlook 2010, full version
- Microsoft Outlook 2013, full version
- Microsoft .NET Framework 4.5.2

#### 9.1.4 Version 9.2

- Microsoft Outlook 2010, full version
- Microsoft Outlook 2013, full version
- Microsoft .NET Framework 4.5.2

#### 9.1.5 Version 9.0 / 8.5

- Microsoft Outlook 2010, full version
- Microsoft Outlook 2013, full version
- Microsoft .NET Framework 4.5 (full version, not Client Profile)

### 9.2 Software - Browser

- Internet Explorer 10 and higher

### 9.3 Notes



**Information:** A preview is a simplified display that may deviate from how the document is displayed in the application. If there are major deviations, or no preview is offered, use the application to show the document type.

## 10 ELO Client for IBM Notes

### 10.1 Software

- Lotus Notes 8.5.2 or higher
- IBM Notes 9

## 11 ELO Client for Microsoft Office

### 11.1 Software

#### 11.1.1 Version 10.1

- Microsoft Office 2010 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2013 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2016 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Office 365 – Microsoft Office 365 ProPlus, full version

**Information: The online versions included in Office 365 are not supported.**

- Microsoft .NET Framework 4.6.1

#### 11.1.2 Version 10

- Microsoft Office 2010 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2013 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2016 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft .NET Framework 4.6.1

#### 11.1.3 Version 9.3

- Microsoft Office 2010 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2013 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft .NET Framework 4.5.2

#### 11.1.4 Version 9.2

- Microsoft Office 2010 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2013 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft .NET Framework 4.5.2

### 11.1.5 Version 9.0 / 8.5

- Microsoft Office 2010 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft Office 2013 (Microsoft Word, Microsoft Excel, Microsoft PowerPoint), full versions of the Microsoft Office applications
- Microsoft .NET Framework 4.5 (full version, not Client Profile)



**Information:** A preview is a simplified display that may deviate from how the document is displayed in the application. If there are major deviations, or no preview is offered, use the application to show the document type.



## 12 ELO for Mobile Devices

### 12.1 ELO 2011 (ELO for Mobile Devices Version 8)

#### 12.1.1 Operating system

- iOS 6 and higher
- Android 3.0 and higher

### 12.2 ELO 9 for Mobile Devices

#### 12.2.1 Operating system

- iOS 9 and higher
- Android 3.0 and higher
- BlackBerry: BlackBerry OS 10 with Android runtime

### 12.3 ELO 9 for Mobile Devices for SECTOR

#### 12.3.1 Operating system

- iOS 8 and higher

### 12.4 ELO 10 for Mobile Devices (Version 10)ELO 10 for Mobile Devices (Version 10)

#### 12.4.1 Operating system

- iOS 8 and higher
- Android 3.0 and higher

### 12.5 ELO Quick Scan (for ELOoffice; for ELOprofessional / ELOenterprise)

#### 12.5.1 Operating system

- iOS 8
- Android 4.0 and higher

## 13 ELO DMS Desktop

*See:* ELOprofessional Server and ELO Clients for Microsoft Outlook and Microsoft Office.

## 14 Modules

The modules for ELO are designed for ELOprofessional and ELOenterprise. If there are any limitations on a module's use, they will be specifically mentioned with the module.

### 14.1 ELO Analytics

ELO Analytics requires the following:

- Windows, 64-bit
  - Windows 7 or Windows Server 2008 R2 or higher
  - Min. 1 GB free disk space
  - Min. 8 GB RAM (ideally more if running ELO iSearch).
- An ELO 10.2 BETA installation with the following component versions. ELO Analytics is supplied with the correct component versions.
  - ELO Indexserver 10.17.090 or higher
  - ELOwf 10.02.000 build 297 or higher
  - ELO Administration Console 10.02.000 build 2 or higher
- An installed Elasticsearch version that corresponds to the version of Kibana in the installed package. This is supplied with this installation.
- ELO Java Client version 10.01.004.113 or higher
- Java 1.8.0\_112-ea-b04 64-bit

### 14.2 ELOxc MAPI

- Microsoft Exchange Server 2010, Microsoft Exchange Server 2013, Microsoft Exchange Online (Office 365)
- Operating system: see ELOprofessional Server
- Microsoft Outlook 2010 or 2013

### 14.3 ELOxc for Microsoft EWS

#### 14.3.1 Supported Exchange versions

- Microsoft Exchange Server 2010 SP 2
- Microsoft Exchange Server 2013
- Microsoft Exchange Server 2016
- Microsoft Exchange Online (Office 365), only with Microsoft Management Framework 4.0

### 14.3.2 Requirements

- ELOprofessional Server 10.x or ELOenterprise Server 10.x
- Microsoft Management Framework 4.0
- Microsoft .Net 4.5 (x64 Full Profile)
- An ELOxc account that can work with Exchange Impersonation and which has the Exchange roles ApplicationImpersonation and ArchiveApplication
- For ELOxc Console: Apache Tomcat 8

## 14.4 ELO COLD

### 14.4.1 Hardware

- The hardware recommended for the configuration of the operating system in use is also required to run ELO.

### 14.4.2 Software

- Installed ELO Windows Client (plus DLL)
- TIFF Printer
- XML Importer (only for ELO COLD ENTERPRISE)

## 14.5 ELO Barcode

### 14.5.1 Software

- ELO Windows Client
- ELO Java Client

## 14.6 ELO Replication

### 14.6.1 Software

#### 14.6.1.1 Operating system

- Windows Server 2008 R2
- Windows Server 2012 R2
- Windows 7
- Windows 8.1
- Windows 10
- Windows Server 2016

And:

- TCP/IP v4

### 14.6.1.2 Databases

- Oracle (up to version 11)
- IBM DB2 (all versions)
- Microsoft Windows SQL Server (versions up to 2014)

**Warning:** ELO Replication 10 does not support subworkflows This function cannot be used.

## 14.7 ELO Notebook Client (repository synchronization)

### 14.7.1 Software

- Windows 7, Windows 8.1
- TCP/IP v4

A reliable network connection is required. If a transfer is interrupted due to a low-quality over-the-air connection, the required data may not be correctly transferred. Please make sure the bandwidth is sufficient! Stable operation of repository synchronization is unfortunately not possible when data connections are unstable.

## 14.8 ELO XML Importer

### 14.8.1 Software

See: ELOprofessional und ELOenterprise Server.

## 14.9 ELO Signature

### 14.9.1 Software

- Requirements same as for ELO Windows Client and ELO Java Client

## 14.10 ELO BLP

See: *ELO BLP System Requirements for Release x* document in SupportWeb. For more information on the system requirements for BLP, refer to the BLP manuals.

## 15 ELOoffice 10.5

### 15.1 Hardware

- The hardware recommended for the configuration of the operating system in use is also required to run ELO.
- CPU with 1 GHz, 1 GB RAM
- Screen resolution XVGA (1024 x 768) with 24-bit color depth
- Additional disk space for repository data: 1 GB for 20000 scanned pages in b/w
- TWAIN-compatible scanner systems
- Network scanner

### 15.2 Software

- Windows 7 (32/64-bit)
- Windows 8
- Windows 8.1
- Windows 10 (32/64-bit)

#### OPTIONAL:

- Microsoft Office 2010
- Microsoft Office 2013
- Microsoft Office 2016

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