



**Technical requirements
UNIT4 Business Software
Version 2014.01**

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Introduction

This document describes the technical requirements for the financial systems of UNIT4 Business Software .

These requirements may, of course, change when UNIT4 Business Software brings out new releases or operating system or middleware suppliers bring out new releases.

Service Desk Support is only guaranteed for the last and last but one hardware and software configurations as laid down by UNIT4 Business Software .

You should always check the most recent requirements carefully. You can find the most recent version of this document on the customer portal of UNIT4 (<https://my.unit4.com>).

General requirements

The requirements for operating systems and middleware are the same for all UNIT4 Business Software applications, unless otherwise indicated in this document. You can check whether a particular component is required for an application by referring to the section applying to the particular application. The operating system and middleware requirements are shown in the table below.

The workload on a server is strongly affected by the number of applications active on the server and the number of read and/or updated data items. It is rather difficult, not to say impossible, to evaluate the impact on the workload for various web applications (and especially for web applications of different suppliers). Make sure that you are properly informed about his issue.

In addition, the minimal values of, for instance, the internal memory are referred to in the general requirements document. The aforesaid minimal values apply to the use of any UNIT4 Business Software web application, considering an average workload.

In short, it is possible that the minimum requirements are not sufficient to support all applications and/or to cope with the heavy workload. In this case, additional values need to be defined. Should you wish, you can outsource this task to UNIT4 Business Software and its business partners (tasks such as fine tuning the WebSphere performance). This will undoubtedly result in an increasing performance of the web applications.

| General requirements | | |
|---|---|-------|
| UNIT4 Business Software products | The UNIT4 Business Software iSeries products have an underlying dependency. As of the 2014.01 release, this dependency is indicated by the version number of the product. In short, a product with the 2014.xx version number has a dependency with UNIT4 Business Software products sharing the same version number (2014.xx). | |
| | LegaSuite Java Client (Valuepack) | 6.0c7 |
| | LegaSuite Windows Client (Basepack) | 6.0c7 |
| Application server installed on System i | IBM Websphere Application Server - Express 6.1 or higher with, for every version, the most recent group PTF package. http://www-03.ibm.com/servers/eserver/iseries/software/websphere/wsappserver/ | |
| Application server installed on PC server | Apache Tomcat version 6.0 or higher. | |
| Web application installed on System i | IBM System i with POWER architecture processor and L2 cache and a minimum of 2 Gb internal memory reserved for WebSphere. A CPW (Commercial Processing Workload) of at least 1000 of the actual logical partition is recommended. | |
| Web application | (Minimum) PC with Pentium 4 processor 2.0 Ghz and at least 1024 Mb | |

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| installed on PC server | internal memory, with 512 Kb L2-cache. Please note: increased requirements can apply depending on server usage. | |
| Operating system System i | Release 6.1 or higher. The most recent cumulative PTF package must be loaded for every OS400 release. For information relating to the most recent cumulative PTF package, refer to the IBM site. You can find the site and the relevant information easily using the search term SF98540 or SF98610. The last 3 numbers correspond to the release number. | |
| Java Runtime Environment | System i | Java Developer Kit 1.5 (5.0) or higher |
| | PC server | Sun version 1.5 or higher |
| Browser (desktop user) | <i>User agent Mozilla/5.0</i> compatible browser or higher. Minimum: Firefox 2.0.0.9 or Microsoft Internet Explorer 7.0 or higher (including all patches and service packs). Minimum: Java Runtime Environment 1.5 or higher. | |
| Desktop user | Minimum Windows XP/Vista or higher and compatible with the selected browser. See Browser (desktop user). | |
| Operating system PC server | Windows 2003 or higher | |
| Adobe Acrobat Reader | Version 7 or higher | |

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Client Reporting

| Hardware | |
|------------------|---|
| PC configuration | Free disk space of ± 2Mb Screen resolution of 1024 x 768 |

| System software | |
|------------------|---|
| Microsoft Office | Office 2000, Office XP or Office 2003, Dutch or English |

e-Billing

| System software | |
|-----------------------|---|
| Database on System i | IBM DB2 with JDBC driver (jtopen JDBC driver) |
| Database on PC server | MySQL 5.0 with JDBC driver |

Easy Reporting

| Hardware | |
|----------|--|
| Server | Personal Computer with modern Dual/Quad (Xeon) processor and at least 4 Gb internal memory. 12 Gb free disk space, of which 2 Gb is required for the database. The server must be equipped with a CD-ROM drive. For performance reasons, a dedicated server is recommended. |

| System software | |
|------------------|--|
| Database Server | MS SQL Server 2005 or higher (no express edition) Oracle 10G Release 2 IBM UDB 9.5 (DB2 for z/os or System i not supported) |
| Web Server | Microsoft IIS 6 IBM http Server 2.0.47 or higher Apache 2.0.48 or higher |
| Web Browser | Cookies and JavaScript enabled. If Internet Explorer 6.x is used: - Running ActiveX controls and plug-ins Script ActiveX controls safe for scripting Active Scripting. Please note: When developing reports, you must use Internet Explorer. |
| Operating system | Microsoft Windows Server 2003 SP2, Standard Edition; Microsoft Windows Server 2003 R2, Standard Edition; Microsoft Windows XP Professional SP1 and SP2; Microsoft Windows 2000 Professional Edition SP4 or higher. |

| Support for multiple authentication providers | |
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| LDAP 3.0 | |
| Microsoft Active Directory | |

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| Windows NT LM |
| Netegrity Site Minder |
| Cognos Series 7 Namespace |

For more detailed information, see [Cognos Product information](#).

Easy Reporting is a state-of-the-art product that is continually being improved. We therefore advise you to consult the Cognos site for the most up-to-date information. You can use the above link or the link [Cognos products](#) to check the latest version of Cognos 8 Business Intelligence.

For the hardware environment you are referred to the link [Cognos supported hardware](#).

Easy T@x

| Hardware | |
|--------------|--|
| IBM System i | Mail connection with internet. |
| Desktop user | The PC must be equipped with a CD-ROM drive. It must be possible to communicate with the System i via FTP. |

| System software | |
|------------------------|--------------------------------|
| Crypto Access Provider | Crypto Access Provider 128-bit |

| Ports for communicating with Tax Office | |
|--|---|
| To ensure that messages can be sent to the Tax Office electronically, there must be a TCP/IP connection between the Internet and the server on which UNIT4 software and Easy T@x is installed. The following ports (with port numbers) on the server and/or on the firewall must be open for the following services: | |
| SMTP | 587 |
| SMTPS | 465 (secure) |
| IMAP4 | 143 |
| IMAPS | 993 (secure) |
| LDAP | 389 |
| FTPF | 6374 and 32000 up to 32199 (only for FOS) |

FTPS is passive and therefore the data port range 32000 up to 32199 is also used.

Easy Info

| Hardware | |
|---------------------------|---|
| Installation on PC server | It is not possible to install Easy Info (FIS2000) on a PC server. |

Online Approval

| Software | |
|---------------|--------------|
| IBS WebViewer | Version 2.16 |

Fixed Assets Control

Hardware

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|---------------------------------------|---|
| Web application installed on System i | As regards the printing functionality, you must install the license program Portable Application Solutions Environment (PASE) on your System i. |
|---------------------------------------|---|

Business Software broker

System software

| | | |
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| Java Runtime Environment | System i | Java Developer Kit 1.5 or higher |
| | PC server | Sun version 1.5 or higher |

Datawarehouse Manager

System software

| | | |
|--------------------------|---|----------------------------------|
| Java Runtime Environment | System i | Java Developer Kit 1.5 or higher |
| | PC server | Sun version 1.5 or higher |
| Database Server | MS SQL Server 2005 (No Express Edition) | |

Open Digital Reporting

System software

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|------------------------------------|--|
| Microsoft XML Parser Server pack 2 | You can download the XML Parser free of charge from www.microsoft.nl . |
|------------------------------------|--|

Spoolfile Manager

Spool files for the 'SNA Character Stream' (*SCS) printer type are supported by the Spoolfile Manager. However, printer types like AFPDS are not supported.