

Academus™

Technical Requirements

Version 2.1

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Table of Contents

About this Document	1
Software and Hardware Requirements	2
Certified OS/DB	2
Combination 1	2
Combination 2	3
Combination 3	3
Academus IPAC Server	4
Supported OS/Browser Combinations	5
Limitations or Requirements	5
Supported Applications	6
Supported Integrations	8
Licenses Reference	9
Open Source Licenses	9
GNU Licenses	9
Other Licenses	9
Maintenance Responsibilities	10
Technical Support	10

Notes

About this Document

This document provides an overview of the following technical requirements and responsibilities that are necessary to use Academus:

- Software and Hardware Requirements
- Supported OS/Browser Combinations
- Supported Applications
- Supported Integrations
- Licenses Reference
- Maintenance Responsibilities
- Technical Support

This document is intended for use by Unicon, Inc. Client Support and Academus clients.

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Software and Hardware Requirements

The following server and database combinations have been tested and certified for use with Academus:

- Certified OS/DB
- Academus IPAC Server

Certified OS/DB

Combination 1

	Application Server	Database Server
Operating System	Red Hat Linux ES (4.0)	Not Specified
RDBMS	N/A	PostgreSQL 8.0
Processor	Dual Intel Xeon 2.4 GHz or faster	Dual Intel Xeon 2.4 GHz or faster
RAM	2 GB (minimum)	2 GB (minimum)
Hard disk	160 GB SCSI or Serial ATA (SATA) recommended	160 GB SCSI or Serial ATA (SATA) recommended
Disk space	36 GB Hard Drive space available	100 GB Hard Drive space available
Network Interface Card	10/100 Network Interface Card	10/100 Network Interface Card
Other Server Requirements	Unicon strongly recommends a dedicated server. This will provide ease of installation, platform stability, and predictable performance	Unicon strongly recommends a dedicated server. This will provide ease of installation, platform stability, and predictable performance
Notes	In a typical configuration, the Briefcase file storage requires 20 MB (Total Expected Users) available space. This size is configurable.	<ul style="list-style-type: none">• Must not be deployed on the same server as the portal application server• Clients are responsible for installation of the RDBMS

Combination 2

	Application Server	Database Server
Operating System	Solaris 10.0	Not Specified
RDBMS	N/A	Oracle 10g
Processor	Dual Sun UltraSPARC-IIIi 1.5 GHz or faster	Dual Sun UltraSPARC-IIIi 1.5 GHz or faster
RAM	2 GB (minimum)	2 GB (minimum)
Hard Disk	160 GB SCSI or Serial ATA (SATA) recommended	160 GB SCSI or Serial ATA (SATA) recommended
Disk Space	36 GB Hard Drive Space Available	100 GB Hard Drive Space Available
Network Interface Card	10/100 Network Interface Card	10/100 Network Interface Card
Other Server Requirements	Unicon strongly recommends a dedicated server. This will provide ease of installation, platform stability, and predictable performance	Unicon strongly recommends a dedicated server. This will provide ease of installation, platform stability, and predictable performance
Notes	In a typical configuration, the Briefcase file storage requires 20 MB (Total Expected Users) available space. This size is configurable.	<ul style="list-style-type: none"> • Must not be deployed on the same server as the portal application server • Clients are responsible for installation of the RDBMS

Combination 3

	Application Server	Database Server
Operating System	Windows Server 2003	Not Specified
RDBMS	N/A	Microsoft SQL Server 2000 SP3
Processor	Dual Intel Xeon 2.4 GHz or faster	Dual Intel Xeon 2.4 GHz or faster
RAM	2 GB (minimum)	2 GB (minimum)
Hard Disk	160 GB SCSI or Serial ATA (SATA) recommended	160 GB SCSI or Serial ATA (SATA) recommended
Disk Space	36 GB Hard Drive space available	100 GB Hard Drive space available
Network Interface Card	10/100 Network Interface Card	10/100 Network Interface Card
Other Server Requirements	Unicon strongly recommends a dedicated server in order to provide ease of installation, platform stability, and predictable performance	Unicon strongly recommends a dedicated server in order to provide ease of installation, platform stability, and predictable performance
Notes	In a typical configuration, the Briefcase file storage requires 20 MB (Total Expected Users) available space. This size is configurable.	<ul style="list-style-type: none"> • Must not be deployed on the same server as the portal application server • Clients are responsible for installation of the RDBMS

Academus IPAC Server

Clients running the Academus IPAC interface integrating Academus with Datatel's Colleague DMI will need an additional server meeting the following specifications:

Academus IPAC Server	Application Server
Operating System	One of the following: <ul style="list-style-type: none">• Redhat Linux 4.0• Windows 2003• Solaris 10
RDBMS	N/A
Processor	Dual Intel Xeon 2.4 GHz or faster
RAM	2 GB (minimum)
Hard Disk	160 GB SCSI or Serial ATA (SATA) recommended
Disk Space	36 GB Hard Drive space available
Network Interface Card	10/100 Network Interface Card
Other Server Requirements	<ul style="list-style-type: none">• Unicon strongly recommends a dedicated server. This will provide ease of installation, platform stability, and predictable performance• This must be run on a separate server from the Academus Application Server

Supported OS/Browser Combinations

The following table provides a description of the browsers Academus will support:

	FireFox 2.0	Internet Explorer 7.0	Mozilla 1.7.12	Netscape		Safari 2.0.2
				7.2	8.1	
WinXP	Yes	Yes	Yes	No	Yes	Browser not offered for this OS
Mac OSX*	Yes	No	Yes	Yes	No	Yes

Limitations or Requirements

- JavaScript must be enabled on all supported browsers
- Macintosh users will not be able to use Academus Chat channel if SSL is enabled for the portal deployment
- Screen Reader Accessibility for Academus has been tested with the IBM screen reader version 3.02

Supported Applications

The following applications are used with Academus. Use of alternative applications or non-supported versions with Academus will not be supported by Unicon.

Applications Included with the Software Deployment

Clients will *automatically* receive the following components with their Academus deployment:

Application	Reference	Description
Apache 2.0.54 Linux/Solaris	http://httpd.apache.org/	A Unix-based, open-source HTTP web server. Use is subject to the Apache Software License.
Aspell 0.60 (Back End Spell Checker)	http://aspell.sourceforge.net/	A free and open-source spell checker intended for use as a library or as an independent spell checker. Use is subject to the GNU Lesser General Public License.
Axis (Apache eXtensible Interaction System)	http://ws.apache.org/axis/	An implementation of the SOAP ("Simple Object Access Protocol"), a lightweight XML-based protocol for exchange of information in a decentralized, distributed environment. Use is subject to the Apache Software License.
Babylon Chat	http://www.visopsys.org/andy/babylon/index.html	A Java client/server combination which can be used to chat over the Internet or local networks. Usage is subject to the GNU General Public License.
Blojsom 2.26 (Blog) Blojsom	http://wiki.blojsom.com/wiki/	An open-source, Java-based, full-featured, multi-blog, multi-user software package. Use is subject to the BSD License.
Coffee Link NNTP Server 1.3.1		
Dom4j	http://dom4j.org/	An easy to use, open source library for working with XML, XPath and XSLT on the Java platform using the Java Collections Framework and with full support for DOM, SAX and JAXP. Use is subject to a "BSD-style" license.
Jboss 3.2.5 JMS Server	http://www.jboss.com/	A J2EE certified Java application server for developing and deploying enterprise Java applications, Web applications, and Portals. Use is subject to the GNU Lesser General Public License.
JGraphT	http://jgrapht.sourceforge.net/	A free Java graph library that provides mathematical graph-theory objects and algorithms. Use is subject to the GNU Lesser General Public License.

Application	Reference	Description
Log4j	http://logging.apache.org/log4j/docs/	A framework to enable logging at runtime without modifying the application binary. Use is subject to the Apache Software License.
Mod_Jk 1.2.14 for Windows, Mod_Jk 1.2.13 for Linux/Solaris		
Speller Pages (User Interface Web Spell Checker)	http://spellerpages.sourceforge.net/index.html .	A free and open source web-based user interface and JavaScript library for a server-side spell check program. Use is subject to the GNU Lesser Public License.
Sun Java 1.5/Java 2 Platform Standard Edition Development Kit (J2SDK)	http://java.sun.com/j2se/1.4.2/index.jsp	A development environment for building applications, applets, and components using the Java programming language. Use is subject to Sun's License Agreement.
TagSoup	http://tagsoup.info/	A Java-based SAX-compliant parser that parses and allows standard XML tools to be applied to poorly-formed or invalid HTML. Use is subject to either the Academic Free License or the GNU General Public License.
TinyMCE	http://tinymce.moxiecode.com/	A platform independent web-based Javascript HTML WYSIWYG editor control used to convert HTML text area fields or other HTML elements to editor instances. Use is subject to the GNU Lesser Public License.
Tomcat 5.5.20	http://jakarta.apache.org/tomcat/index.html	The servlet container that implements the Java Servlet and JavaServer Pages specifications from Sun Microsystems (including the bridge mod_jk). Use is subject to the Apache Software License.
uPortal	http://www.uportal.org/	An open-standard, free, sharable portal using Java, XML, JSP and J2EE. Use is subject to a "BSD-style" license.
Xerces2 Java Parser	http://xml.apache.org/xerces2-j/	A fully conforming XML Schema processor. Use is subject to the Apache Software License.

Applications Purchased by Clients

Clients using Microsoft SQL Server as the RDBMS must acquire the open source JTDS Driver -- version 1.2. Unicon can assist with procurement and installation of the driver if needed, contact your Unicon Account Manager for more information.

Clients using a Microsoft application server will provide the IIS 6.0 component.

Supported Integrations

Academus 2.1 has been certified for integration with the following external applications:

External Application	Reference
Active Directory (Windows 2003)	http://www.microsoft.com/technet/
OpenLDAP 2.3.9	http://www.openldap.org
eDirectory 8.7.3	http://www.edirectory.com/
SunOne 5.2	http://www.sun.com/software/sunone/
Academus WCM Version 7.1	http://www.unicon.net/products
SAKAI SSO 2.2.1	http://www.sakaiproject.org/
Reddot CMS	http://www.reddot.com/
Outlook WebAccess SSO	http://www.microsoft.com/exchange/
Datatel's WebAdvisor 3.0.3	http://www.datatel.com/
Datatel's Colleague R18	http://www.datatel.com/
Livetext	http://college.livetext.com/college/
JSQLConnect	http://www.postgresql.org/

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BSD	http://www.opensource.org/licenses/bsd-license.php
Educational Community	http://www.opensource.org/licenses/ecl1.php

GNU Licenses

Special-case open source licenses that fall into two categories, (1) a general license which has more strict rules about attribution and distribution, and (2) a lesser (or library) license which has more lax criteria for linking other code with a library.

GNU Source License	Reference
GNU General Public License (GPL)	http://www.gnu.org/licenses/gpl.html
GNU Lesser General Public License (LGPL)	http://www.gnu.org/licenses/lgpl.html

Other Licenses

Other License	Reference
Sun License Agreement	http://java.sun.com/j2se/1.4.2/j2sdk-1_4_2_08-license.txt

Maintenance Responsibilities

The following items describe the responsibilities required to maintain Academus:

- Your IT department is responsible for maintaining your internal network and communications equipment within your facility.
- Your Portal Administrator is responsible for the appropriate settings within Academus to ensure the system runs efficiently.
- You are responsible for providing Unicon with remote access into your system.

Technical Support

Unicon provides a solution center for our registered Academus customers. The solution center consists of an online, searchable knowledge base and personalized customer support.

- The online knowledge base provides you 24x7 access to the latest product information and technical solutions.
- Our knowledgeable staff is available from 6:00 am to 6:00 pm MST Monday through Friday to assist you.
- Provide 24x7 support for Priority 1 incidents. An incident is assigned a priority 1 status if your site is down or severely degraded to the point of being unusable.

Important: Full use of the knowledge base and customer support is limited to System Administrators and authorized users at each client institution.