
BioXM Knowledge Management Environment

Technical Profile

1. Release information

This *Technical Profile* is current as of March 2011. It covers the major release version 4.0 (238) of the BioXM Knowledge Management Environment. For all other release information pertaining to this version, see the BioXM Knowledge Management Environment *Release Notes*.

1.1. Upgrade and patch information

Version 4.0 of the BioXM Knowledge Management Environment is a full public release.

1.2. Supported client platforms and operating systems

The BioXM Knowledge Management Environment version 4.0 client can run on modern personal computers (PCs). We recommend one gigabyte (GB) of random access memory (RAM).

As the BioXM system is a Java™ application, it can run on almost any platform with sufficient Java support. In particular, the following platforms and operating systems (OS) are supported by BioXM version 4.0:

- PC running Microsoft® Windows® XP Service Pack 2 or later, Windows Vista® and Windows 7
- Apple® Macintosh® running Mac OS® X 10.4 (Tiger®), Mac OS X 10.5 (Leopard®) and Mac OS X 10.6 (Snow Leopard®)
- PC running Linux® systems, including the following:
 - SUSE® Linux 9.x, 10.x and openSUSE® 11.x
 - SUSE Linux Enterprise Server 9, 10 and 11 (x86, x86_64)
 - Red Hat®, Ubuntu® and Debian® distributions
- Other platforms on request

The BioXM version 4.0 client is a Java application that is deployed using Java Web Start (JWS) technology. BioXM version 4.0 requires Java Runtime Environment (JRE), Standard Edition 5.0 Update 10 or above or JRE 6.0 Update 8 or above. The BioXM client application works with both 32-Bit or 64-Bit versions of the JRE.

JWS is part of every Java Runtime Environment (JRE) or JDK Java distribution provided by Sun Microsystems, Inc. (<http://www.java.com/en/download/manual.jsp>). Java and JWS are pre-installed on any Mac computer running Mac OS X.

1.3. Supported server platforms and operating systems

BioXM Knowledge Management Environment version 4.0 should run on high-performance server hardware. We recommend Intel (Xeon™ central processing unit, dual CPU) or AMD™ (AMD Opteron™ dual CPU) PCs and two GB memory per core.

The database server should run on equally powerful hardware. For large databases, additional memory is recommended.

The following platforms and operating systems are supported by BioXM version 4.0:

- PC running SUSE Linux Enterprise Server 9, 10 and 11 (x86, x86_64)
- PC running Debian 64 bit
- Other UNIX® and Linux platforms upon request

BioXM version 4.0 requires Java Runtime Environment 5.0 Update 10 or above or JRE 6.0 Update 10 or above.

1.4. Supported relational database management systems (RDBMS)

The BioXM Knowledge Management Environment version 4.0 supports the following RDBMS:

- Oracle® MySQL® Database Server 5.0, MySQL 5.1 and MySQL 5.5
- Oracle Database 10g and Oracle Database 11g

1.5. Supported browsers

The following browsers are supported by BioXM Knowledge Management Environment version 4.0 (for JWS deployment and HTML reports):

- Microsoft Internet Explorer® 7 and 8
- Mozilla® Firefox® version 3.x and 4.x
- Apple Safari™ 3.x, 4.x and 5.x

2. Contact Biomax

For more information about the BioXM platform, contact Biomax:

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Biomax Informatics AG; Sitz: Martinsried bei München, Amtsgericht München, HRB 134442; Ust-IdNr. DE 191 603 142; Steuer-Nr.: 143 / 100 / 10945; Vorstand: Dr. Klaus Heumann; Vorsitzender des Aufsichtsrates: Prof. Dr. Hans-Werner Mewes BIOXMTPR1103