

## BOX Messaging Hub – Hard- and Software Requirements



### Hardware & Software Requirements

This fact sheet specifies the minimum hardware configuration required to run BOX Messaging Hub (BOX). For high volume throughput additional resources may be required.



### Disk Space

For the BOX server and web client program components 150 MB have to be calculated under Microsoft Windows Server 2003, 2008 and 2008 R2. IBM AIX, Linux x86, Linux for z/OS and SUN Solaris. 250 MB have to be calculated under IBM z/OS.

Additional disk space is required for the documents, messages, history data etc. stored in the RDBMS database. This required disk space has to be added to the space required for programs. It depends on the configured system and workflow, required logging information, used message types, number of SWIFT messages daily stored and the number of days before those messages are purged from the database (retention period).



### For each message has to be calculated:

- 15 kb base data (SWIFT message) + workflow related data, e.g. :
  - 5 kb for each TGI
  - 6,5 kb for each SBI
  - 15 kb for each report
  - (2 kb + data size) for each Version Representation (different versions of original message)
  - 1 kb for each DLI (depends on number of recipients (approx.200bytes each)
  - 3,5 kb for each owner assignment (depends on number of new owners approx.200bytes each)



### CPU and RAM for BOX Server

Hardware	Minimum Requirements
x64 platform	2 processor ≥ 3 GHz 8 GB RAM, recommended 16 GB
IBM System p	1 processor 2 GHz 8 GB RAM, recommended 16 GB
IBM System z	Any model running z/OS or Linux for System z
Oracle Sun SPARC	1 processor 2 GHz 8 GB RAM, recommended 16GB

Cluster environments are supported, please refer to your Operating System specifications.

For multiple BOX installations on the same system (HW or LPAR) please contact INTERCOPE (support@intercope.com) for feasibility checking.



### Operating System

Operating System	Minimum Requirements
Linux x86	Any Linux Server distribution based on glibc 2.9 (20081117) or compatible (e.g. SUSE Linux Enterprise Server, Red Hat Enterprise Linux Server, Ubuntu). Kernel 2.6.27 or compatible with ELF and SystemV-IPC support.
Linux for System z	Any Linux Server distribution based on glibc 2.11.1 (20100118) or compatible (e.g. SUSE Linux Enterprise Server, Red Hat Enterprise Linux Server, Ubuntu). Kernel 2.6.32 or compatible with ELF and SystemV-IPC support.
Oracle Solaris	Solaris 10
IBM AIX	AIX 5.3
IBM z/OS	zOS 1.13



Java

Java	Minimum Requirements
All Platforms	Until BOX V3R20: - Java 6 As of BOX V3R22: - Oracle JVM version 7 or - IBM-JVM version 7.1 As of BOX V3R22 the Javatool “ICSecurity Tool” requires the “Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files”.



Database

RDBMS	Minimum Requirements
Unix and Windows platforms	IBM DB2 version 9.5 including JDBC 4.0 compatible JDBC driver ('db2jcc4.jar') Oracle version 11.2 including JDBC 4.0 compatible JDBC driver ('ojdbc6.jar')
z/OS	IBM DB2 version 11.1 including JDBC 4.0 compatible DBC driver ('db2jcc4.jar') Note: When DB2 is running under z/OS and the BOX server on another platform you must install DB2 Connect on the BOX server machine.



IBM WebSphere MQ

WebSphere MQ	Minimum Requirements
AIX, Solaris and Linux/x86	IBM WebSphere MQ 8.0.0.4
z/Linux	IBM WebSphere MQ 8.0.0.2
Windows	IBM WebSphere MQ 8.0.0.5
z/OS	IBM WebSphere MQ 8.0

 **Web Application Server**

Web Application Server	Minimum Requirements
All platforms	<ul style="list-style-type: none"> <li>- IBM WebSphere Application Server version 8.5.5</li> <li>- IBM WebSphere Liberty with JVM 8</li> <li>- Oracle WebLogic Server version 9.3</li> <li>- Red Hat JBoss 6</li> </ul>

 **Or Web Server**

Web Server	Minimum Requirements
All platforms	<ul style="list-style-type: none"> <li>- Apache Tomcat version 6 Of the BOX Web Services only the RMA check is supported</li> </ul>

 **Web Application Server**

Web Application Server	Minimum Requirements
All Platforms	Oracle Java SE 6 If other Java platforms are used these must be compatible with Oracle Java SE 6
RAM requirement	4 GB RAM

 **Browser**

Browser	Minimum Requirements
All Platforms	<ul style="list-style-type: none"> <li>- Firefox 30</li> <li>- Internet Explorer 8</li> <li>- Edge</li> </ul>

Note:

The versions specified in the above tables always refers to the oldest version still supported while all newer versions are also supported.