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Mark: JOOMLA!

JOOMLA!

US Serial Number: 77224536

Application Filing Date: Jul. 09, 2007

US Registration Number: 3479210

Registration Date: Aug. 05, 2008

Register: Principal

Mark Type: Trademark

Status: Registered. The registration date is used to determine when post-registration maintenance documents are due.

Status Date: Aug. 05, 2008

Publication Date: May 20, 2008

Mark Information

Mark Literal Elements: JOOMLA!

Standard Character Claim: Yes. The mark consists of standard characters without claim to any particular font style, size, or color.

Mark Drawing Type: 4 - STANDARD CHARACTER MARK

Goods and Services

Note: The following symbols indicate that the registrant/owner has amended the goods/services:

- Brackets [...] indicate deleted goods/services;
- Double parenthesis ((..)) identify any goods/services not claimed in a Section 15 affidavit of
- Asterisks *...* identify additional (new) wording in the goods/services.

For: Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

International Class(es): 009 - Primary Class

U.S Class(es): 021, 023, 026, 036, 038

Class Status: ACTIVE

Basis: 1(a)

First Use: Sep. 01, 2005

Use in Commerce: Sep. 01, 2005

Basis Information (Case Level)

Filed Use: Yes

Currently Use: Yes

Amended Use: No

Filed ITU: No

Currently ITU: No

Amended ITU: No

Filed 44D: No

Currently 44D: No

Amended 44D: No

Filed 44E: No

Currently 44E: No

Amended 44E: No

Filed 66A: No

Currently 66A: No

Filed No Basis: No

Currently No Basis: No

Current Owner(s) Information

Owner Name: Open Source Matters, Inc.

Owner Address: 17th Floor
1995 Broadway
New York, NEW YORK 10016
UNITED STATES

Legal Entity Type: NON-PROFIT CORPORATION

State or Country Where: NEW YORK
Organized:

Attorney/Correspondence Information

Attorney of Record

Attorney Name: Dana O. Lynch

Docket Number: 083403.00001

Attorney Primary Email: trademark@wtplaw.com
Address:

Attorney Email: No
Authorized:

Correspondent

Correspondent: Dana O. Lynch

Name/Address: Whiteford, Taylor & Preston, L.L.P.
7 Saint Paul Street
Baltimore, MARYLAND 21202
UNITED STATES

Phone: 410-347-8700

Fax: 410-234-2378

Correspondent e-mail: trademark@wtplaw.com

**Correspondent e-mail No
Authorized:**

Domestic Representative - Not Found

Prosecution History

Date	Description	Proceeding Number
Aug. 08, 2008	CERTIFICATE OF CORRECTION ISSUED	
Aug. 08, 2008	ASSIGNED TO PARALEGAL	76293
Aug. 05, 2008	REGISTERED-PRINCIPAL REGISTER	
May 20, 2008	PUBLISHED FOR OPPOSITION	
May 09, 2008	TEAS RESPONSE TO OFFICE ACTION RECEIVED	
Apr. 30, 2008	NOTICE OF PUBLICATION	
Apr. 12, 2008	LAW OFFICE PUBLICATION REVIEW COMPLETED	76985
Apr. 12, 2008	ASSIGNED TO LIE	76985
Apr. 02, 2008	APPROVED FOR PUB - PRINCIPAL REGISTER	
Mar. 24, 2008	ATTORNEY REVOKED AND/OR APPOINTED	
Mar. 24, 2008	TEAS REVOKE/APPOINT ATTORNEY RECEIVED	
Mar. 11, 2008	TEAS/EMAIL CORRESPONDENCE ENTERED	88889
Mar. 10, 2008	CORRESPONDENCE RECEIVED IN LAW OFFICE	88889
Mar. 10, 2008	TEAS RESPONSE TO OFFICE ACTION RECEIVED	
Oct. 11, 2007	NOTIFICATION OF NON-FINAL ACTION E-MAILED	6325
Oct. 11, 2007	NON-FINAL ACTION E-MAILED	6325
Oct. 11, 2007	NON-FINAL ACTION WRITTEN	83696
Oct. 11, 2007	ASSIGNED TO EXAMINER	83696
Jul. 12, 2007	NEW APPLICATION ENTERED IN TRAM	

Maintenance Filings or Post Registration Information

Change in Registration: Yes

Correction made to Statement(s): Column 2, line 1 should be deleted, and First Use: 09-01-2005; Use In Commerce: 09-01-2005, should be inserted.
Registration:

TM Staff and Location Information

TM Staff Information - None

File Location

Current Location: POST REGISTRATION

Date in Location: Oct. 22, 2008

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

Reg. No. 3,479,210

United States Patent and Trademark Office

Registered Aug. 5, 2008

Corrected

OG Date Sep. 16, 2008

TRADEMARK
PRINCIPAL REGISTER

JOOMLA!

OPEN SOURCE MATTERS, INC. (NEW
YORK NON-PROFIT CORPORATION),
17TH FLOOR
1995 BROADWAY
NEW YORK, NY 10016

FOR: DOWNLOADABLE SOFTWARE
FOR THE CREATION, INTEGRATION,
PUBLICATION, MANAGEMENT, AND
MAINTENANCE OF CONTENT,
NAMELY, TEXT, DOCUMENTS, AUDIO,
AND VIDEO, IN CLASS 9 (U.S. CLS. 21,
23, 26, 36 AND 38).

THE MARK CONSISTS OF STAN-
DARD CHARACTERS WITHOUT CLAIM
TO ANY PARTICULAR FONT, STYLE,
SIZE, OR COLOR.

FIRST USE 9-1-2005; IN COMMERCE
9-1-2005.

SER. NO. 77-224,536, FILED 7-9-2007.

*In testimony whereof I have hereunto set my hand
and caused the seal of The Patent and Trademark
Office to be affixed on Sep. 16, 2008.*

DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE

Int. Cl.: 9

Prior U.S. Cls.: 21, 23, 26, 36 and 38

United States Patent and Trademark Office

Reg. No. 3,479,210

Registered Aug. 5, 2008

**TRADEMARK
PRINCIPAL REGISTER**

JOOMLA!

OPEN SOURCE MATTERS, INC. (NEW YORK
NON-PROFIT CORPORATION)
17TH FLOOR
1995 BROADWAY
NEW YORK, NY 10016

FOR: DOWNLOADABLE SOFTWARE FOR THE
CREATION, INTEGRATION, PUBLICATION, MAN-
AGEMENT, AND MAINTENANCE OF CONTENT,
NAMELY, TEXT, DOCUMENTS, AUDIO, AND VI-
DEO , IN CLASS 9 (U.S. CLS. 21, 23, 26, 36 AND 38).

FIRST USE 9-15-2005; IN COMMERCE 9-15-2005.

THE MARK CONSISTS OF STANDARD CHAR-
ACTERS WITHOUT CLAIM TO ANY PARTICULAR
FONT, STYLE, SIZE, OR COLOR.

SER. NO. 77-224,536, FILED 7-9-2007.

AHSEN KHAN, EXAMINING ATTORNEY

Preliminary Amendment

The table below presents the data as entered.

Input Field	Entered
SERIAL NUMBER	77224536
LAW OFFICE ASSIGNED	LAW OFFICE 113
MARK SECTION (no change)	
GOODS AND/OR SERVICES SECTION (current)	
INTERNATIONAL CLASS	009
DESCRIPTION	
Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video	
FILING BASIS	Section 1(a)
FIRST USE ANYWHERE DATE	At least as early as 09/15/2005
FIRST USE IN COMMERCE DATE	At least as early as 09/15/2005
GOODS AND/OR SERVICES SECTION (proposed)	
INTERNATIONAL CLASS	009
DESCRIPTION	
Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video	
FILING BASIS	Section 1(a)
FIRST USE ANYWHERE DATE	At least as early as 09/01/2005
FIRST USE IN COMMERCE DATE	At least as early as 09/01/2005
SIGNATURE SECTION	
DECLARATION SIGNATURE	/Elin Waring/
SIGNATORY'S NAME	Elin Waring
SIGNATORY'S POSITION	President
DATE SIGNED	05/09/2008
RESPONSE SIGNATURE	/Joseph L. Morales/

SIGNATORY'S NAME	Joseph L. Morales
SIGNATORY'S POSITION	Attorney For Applicant
DATE SIGNED	05/09/2008
AUTHORIZED SIGNATORY	YES
FILING INFORMATION SECTION	
SUBMIT DATE	Fri May 09 14:04:23 EDT 2008
TEAS STAMP	USPTO/PRA-65.111.69.227-2 0080509140423848930-77224 536-42066d2d7b19c89c3f2e0 79ac80f360cd51-N/A-N/A-20 080509125349931599

PTO Form 1966 (Rev 5/2006)
OMB No. 0651-0050 (Exp. 04/30/2011)

Preliminary Amendment
To the Commissioner for Trademarks:

Application serial no. **77224536** has been amended as follows:

CLASSIFICATION AND LISTING OF GOODS/SERVICES

Applicant proposes to amend the following class of goods/services in the application:

Current: Class 009 for Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

Original Filing Basis:

Filing Basis: Section 1(a), Use in Commerce: The applicant is using the mark in commerce, or the applicant's related company or licensee is using the mark in commerce, on or in connection with the identified goods and/or services. 15 U.S.C. Section 1051(a), as amended. The mark was first used at least as early as 09/15/2005 and first used in commerce at least as early as 09/15/2005, and is now in use in such commerce.

Proposed: Class 009 for Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

Filing Basis: Section 1(a), Use in Commerce: The applicant is using the mark in commerce, or the applicant's related company or licensee is using the mark in commerce, on or in connection with the identified goods and/or services. 15 U.S.C. Section 1051(a), as amended. The mark was first used at least as early as 09/01/2005 and first used in commerce at least as early as 09/01/2005, and is now in use in such commerce.

SIGNATURE(S)

Declaration Signature

If the applicant is seeking registration under Section 1(b) and/or Section 44 of the Trademark Act, the applicant had a bona fide intention to use or use through the applicant's related company or licensee the

mark in commerce on or in connection with the identified goods and/or services as of the filing date of the application. 37 C.F.R. Secs. 2.34(a)(2)(i); 2.34 (a)(3)(i); and 2.34(a)(4)(ii). If the applicant is seeking registration under Section 1(a) of the Trademark Act, the mark was in use in commerce on or in connection with the goods or services listed in the application as of the application filing date. 37 C.F.R. Secs. 2.34(a)(1)(i). The undersigned, being hereby warned that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements may jeopardize the validity of the application or any resulting registration, declares that he/she is properly authorized to execute this application on behalf of the applicant; he/she believes the applicant to be the owner of the trademark/service mark sought to be registered, or, if the application is being filed under 15 U.S.C. §1051(b), he/she believes applicant to be entitled to use such mark in commerce; to the best of his/her knowledge and belief no other person, firm, corporation, or association has the right to use the mark in commerce, either in the identical form thereof or in such near resemblance thereto as to be likely, when used on or in connection with the goods/services of such other person, to cause confusion, or to cause mistake, or to deceive; that if the original application was submitted unsigned, that all statements in the original application and this submission made of the declaration signer's knowledge are true; and all statements in the original application and this submission made on information and belief are believed to be true.

Signature: /Elin Waring/ Date: 05/09/2008

Signatory's Name: Elin Waring

Signatory's Position: President

Voluntary Amendment Signature

Signature: /Joseph L. Morales/ Date: 05/09/2008

Signatory's Name: Joseph L. Morales

Signatory's Position: Attorney For Applicant

The signatory has confirmed that he/she is an attorney who is a member in good standing of the bar of the highest court of a U.S. state, which includes the District of Columbia, Puerto Rico, and other federal territories and possessions; and he/she is currently the applicant's attorney or an associate thereof; and to the best of his/her knowledge, if prior to his/her appointment another U.S. attorney or a Canadian attorney/agent not currently associated with his/her company/firm previously represented the applicant in this matter: (1) the applicant has filed or is concurrently filing a signed revocation of or substitute power of attorney with the USPTO; (2) the USPTO has granted the request of the prior representative to withdraw; (3) the applicant has filed a power of attorney appointing him/her in this matter; or (4) the applicant's appointed U.S. attorney or Canadian attorney/agent has filed a power of attorney appointing him/her as an associate attorney in this matter.

Serial Number: 77224536

Internet Transmission Date: Fri May 09 14:04:23 EDT 2008

TEAS Stamp: USPTO/PRA-65.111.69.227-2008050914042384

8930-77224536-42066d2d7b19c89c3f2e079ac8

0f360cd51-N/A-N/A-20080509125349931599



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Trademarks
P.O. Box 1451
Alexandria, VA 22313-1451
www.uspto.gov

Apr 30, 2008

NOTICE OF PUBLICATION UNDER 12(a)

- | | |
|--------------------------------------|--|
| 1. Serial No.:
77/224,536 | 2. Mark:
JOOMLA!
Standard Character Mark |
| 3. International Class(es):
9 | 5. Applicant:
Open Source Matters, Inc. |
| 4. Publication Date:
May 20, 2008 | |

The mark of the application identified appears to be entitled to registration. The mark will, in accordance with Section 12(a) of the Trademark Act of 1946, as amended, be published in the Official Gazette on the date indicated above for the purpose of opposition by any person who believes he will be damaged by the registration of the mark. If no opposition is filed within the time specified by Section 13(a) of the Statute or by rules 2.101 or 2.102 of the Trademark Rules, the Commissioner of Patents and Trademarks may issue a certificate of registration.

Copies of the trademark portion of the Official Gazette containing the publication of the mark may be obtained from:

The Superintendent of Documents
U.S. Government Printing Office
PO Box 371954
Pittsburgh, PA 15250-7954
Phone: 202-512-1800

By direction of the Commissioner.

Correspondence Address:

Dana O. Lynch
Whiteford, Taylor & Preston, L.L.P.
7 Saint Paul Street
Baltimore MD 21202

TMP&I

Trademark Snap Shot Publication & Issue Review Stylesheet

(Table presents the data on Publication & Issue Review Complete)

OVERVIEW

SERIAL NUMBER	77224536	FILING DATE	07/09/2007
REG NUMBER	0000000	REG DATE	N/A
REGISTER	PRINCIPAL	MARK TYPE	TRADEMARK
INTL REG #	N/A	INTL REG DATE	N/A
TM ATTORNEY	KHAN, AHSEN M	L.O. ASSIGNED	113

PUB INFORMATION

RUN DATE	04/15/2008		
PUB DATE	05/20/2008		
STATUS	681-PUBLICATION/ISSUE REVIEW COMPLETE		
STATUS DATE	04/12/2008		
LITERAL MARK ELEMENT	JOOMLA!		

DATE ABANDONED	N/A	DATE CANCELLED	N/A
SECTION 2F	NO	SECTION 2F IN PART	NO
SECTION 8	NO	SECTION 8 IN PART	NO
SECTION 15	NO	REPUB 12C	N/A
RENEWAL FILED	NO	RENEWAL DATE	N/A
DATE AMEND REG	N/A		

FILING BASIS

FILED BASIS		CURRENT BASIS		AMENDED BASIS	
1 (a)	YES	1 (a)	YES	1 (a)	NO
1 (b)	NO	1 (b)	NO	1 (b)	NO
44D	NO	44D	NO	44D	NO
44E	NO	44E	NO	44E	NO
66A	NO	66A	NO		
NO BASIS	NO	NO BASIS	NO		

MARK DATA

STANDARD CHARACTER MARK	YES
LITERAL MARK ELEMENT	JOOMLA!

MARK DRAWING CODE	4-STANDARD CHARACTER MARK
COLOR DRAWING FLAG	NO

CURRENT OWNER INFORMATION

PARTY TYPE	10-ORIGINAL APPLICANT
NAME	Open Source Matters, Inc.
ADDRESS	17th Floor 1995 Broadway New York, NY 10016
ENTITY	99-NON-PROFIT CORPORATION
CITIZENSHIP	New York

GOODS AND SERVICES

INTERNATIONAL CLASS	009
DESCRIPTION TEXT	Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

GOODS AND SERVICES CLASSIFICATION

INTERNATIONAL CLASS	009	FIRST USE DATE	09/15/2005	FIRST USE IN COMMERCE DATE	09/15/2005	CLASS STATUS	6-ACTIVE

MISCELLANEOUS INFORMATION/STATEMENTS

CHANGE IN REGISTRATION	NO

PROSECUTION HISTORY

DATE	ENT CD	ENT TYPE	DESCRIPTION	ENT NUM
04/12/2008	PREV	O	LAW OFFICE PUBLICATION REVIEW COMPLETED	013
04/12/2008	ALIE	A	ASSIGNED TO LIE	012
04/02/2008	CNSA	O	APPROVED FOR PUB - PRINCIPAL REGISTER	011
03/24/2008	ARAA	I	ATTORNEY REVOKED AND/OR APPOINTED	010
03/24/2008	REAP	I	TEAS REVOKE/APPOINT ATTORNEY RECEIVED	009
03/11/2008	TEME	I	TEAS/EMAIL CORRESPONDENCE ENTERED	008
03/10/2008	CRFA	I	CORRESPONDENCE RECEIVED IN LAW OFFICE	007
03/10/2008	TROA	I	TEAS RESPONSE TO OFFICE ACTION RECEIVED	006
10/11/2007	GNRN	O	NOTIFICATION OF NON-FINAL ACTION E-MAILED	005

10/11/2007	GNRT	F	NON-FINAL ACTION E-MAILED	004
10/11/2007	CNRT	R	NON-FINAL ACTION WRITTEN	003
10/11/2007	DOCK	D	ASSIGNED TO EXAMINER	002
07/12/2007	NWAP	I	NEW APPLICATION ENTERED IN TRAM	001

CURRENT CORRESPONDENCE INFORMATION

ATTORNEY	Dana O. Lynch
CORRESPONDENCE ADDRESS	Dana O. Lynch Whiteford, Taylor & Preston, L.L.P. 7 Saint Paul Street Baltimore MD 21202
DOMESTIC REPRESENTATIVE	NONE

JOOMLA!

Trademark Snap Shot Publication Stylesheet
 (Table presents the data on Publication Approval)

OVERVIEW

SERIAL NUMBER	77224536	FILING DATE	07/09/2007
REG NUMBER	0000000	REG DATE	N/A
REGISTER	PRINCIPAL	MARK TYPE	TRADEMARK
INTL REG #	N/A	INTL REG DATE	N/A
TM ATTORNEY	KHAN, AHSEN M	L.O. ASSIGNED	113

PUB INFORMATION

RUN DATE	04/03/2008		
PUB DATE	N/A		
STATUS	680-APPROVED FOR PUBLICATON		
STATUS DATE	04/02/2008		
LITERAL MARK ELEMENT	JOOMLA!		

DATE ABANDONED	N/A	DATE CANCELLED	N/A
SECTION 2F	NO	SECTION 2F IN PART	NO
SECTION 8	NO	SECTION 8 IN PART	NO
SECTION 15	NO	REPUB 12C	N/A
RENEWAL FILED	NO	RENEWAL DATE	N/A
DATE AMEND REG	N/A		

FILING BASIS

FILED BASIS		CURRENT BASIS		AMENDED BASIS	
1 (a)	YES	1 (a)	YES	1 (a)	NO
1 (b)	NO	1 (b)	NO	1 (b)	NO
44D	NO	44D	NO	44D	NO
44E	NO	44E	NO	44E	NO
66A	NO	66A	NO		
NO BASIS	NO	NO BASIS	NO		

MARK DATA

STANDARD CHARACTER MARK	YES
LITERAL MARK ELEMENT	JOOMLA!

MARK DRAWING CODE	4-STANDARD CHARACTER MARK
COLOR DRAWING FLAG	NO

CURRENT OWNER INFORMATION

PARTY TYPE	10-ORIGINAL APPLICANT
NAME	Open Source Matters, Inc.
ADDRESS	17th Floor 1995 Broadway New York, NY 10016
ENTITY	99-NON-PROFIT CORPORATION
CITIZENSHIP	New York

GOODS AND SERVICES

INTERNATIONAL CLASS	009
DESCRIPTION TEXT	Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

GOODS AND SERVICES CLASSIFICATION

INTERNATIONAL CLASS	009	FIRST USE DATE	09/15/2005	FIRST USE IN COMMERCE DATE	09/15/2005	CLASS STATUS	6-ACTIVE

MISCELLANEOUS INFORMATION/STATEMENTS

CHANGE IN REGISTRATION	NO

PROSECUTION HISTORY

DATE	ENT CD	ENT TYPE	DESCRIPTION	ENT NUM
04/02/2008	CNSA	O	APPROVED FOR PUB - PRINCIPAL REGISTER	011
03/24/2008	ARAA	I	ATTORNEY REVOKED AND/OR APPOINTED	010
03/24/2008	REAP	I	TEAS REVOKE/APPOINT ATTORNEY RECEIVED	009
03/11/2008	TEME	I	TEAS/EMAIL CORRESPONDENCE ENTERED	008
03/10/2008	CRFA	I	CORRESPONDENCE RECEIVED IN LAW OFFICE	007
03/10/2008	TROA	I	TEAS RESPONSE TO OFFICE ACTION RECEIVED	006
10/11/2007	GNRN	O	NOTIFICATION OF NON-FINAL ACTION E-MAILED	005
10/11/2007	GNRT	F	NON-FINAL ACTION E-MAILED	004
10/11/2007	CNRT	R	NON-FINAL ACTION WRITTEN	003

10/11/2007	DOCK	D	ASSIGNED TO EXAMINER	002
07/12/2007	NWAP	I	NEW APPLICATION ENTERED IN TRAM	001

CURRENT CORRESPONDENCE INFORMATION

ATTORNEY	Dana O. Lynch
CORRESPONDENCE ADDRESS	Dana O. Lynch Whiteford, Taylor & Preston, L.L.P. 7 Saint Paul Street Baltimore MD 21202
DOMESTIC REPRESENTATIVE	NONE

JOOMLA!

Revocation of Attorney/Domestic Representative and/or Appointment of Attorney/Domestic Representative

The table below presents the data as entered.

Input Field	Entered
SERIAL NUMBER	77224536
LAW OFFICE ASSIGNED	LAW OFFICE 113
ATTORNEY DOCKET NUMBER	083403.00001
MARK SECTION	
MARK	JOOMLA!
ATTORNEY SECTION	
ORIGINAL ADDRESS	BRIAN SPROSS SPROSS & ASSOCIATES, PLLC 10129 BRIMFIELD DR STE 100 AUSTIN, TX 78726-1878 512-657-9649 brianlaw@yahoo.com
CORRESPONDENCE SECTION	
ORIGINAL ADDRESS	BRIAN SPROSS SPROSS & ASSOCIATES, PLLC 10129 BRIMFIELD DR STE 100 AUSTIN, TX 78726-1878 512-657-9649 brianlaw@yahoo.com
NEW OTHER APPOINTED ATTORNEYS	Alexander Koff, Frank S. Jones, Jr., S. Keith Mouldsdale, Steven E. Tiller, Gregory M. Stone, Jeffrey C. Maynard, R. Christopher Rueppell, J. Bradley Aaron, Joseph L. Morales
NEW ATTORNEY ADDRESS	
STATEMENT TEXT	By submission of this request, the undersigned REVOKEs the power of attorney currently of record, as listed above, and hereby APPOINTs the following new attorney.
NAME	Dana O. Lynch

FIRM NAME	Whiteford, Taylor & Preston, L.L.P.
STREET	7 Saint Paul Street
CITY	Baltimore
STATE	Maryland
COUNTRY	United States
POSTAL/ZIP CODE	21202
PHONE	410-347-8700
FAX	410-234-2378
EMAIL	trademark@wtplaw.com
ATTORNEY DOCKET NUMBER	083403.00001

NEW CORRESPONDENCE ADDRESS

NAME	Dana O. Lynch
FIRM NAME	Whiteford, Taylor & Preston, L.L.P.
STREET	7 Saint Paul Street
CITY	Baltimore
STATE	Maryland
COUNTRY	United States
POSTAL/ZIP CODE	21202
PHONE	410-347-8700
FAX	410-234-2378
EMAIL	trademark@wtplaw.com

SIGNATURE SECTION

SIGNATORY FILE	\\TICRS2\EXPORT15\772\245\77224536\xml3\RAA0002.JPG
SIGNATORY NAME	Elin Waring
SIGNATORY POSITION	President

FILING INFORMATION SECTION

SUBMIT DATE	Mon Mar 24 10:50:50 EDT 2008
TEAS STAMP	USPTO/RAA-65.111.69.227-2 0080324105050916316-77224 536-400ce4c1856ae8cfa3bca 3c72de45eb-N/A-N/A-200803 24103222599826

Revocation of Attorney/Domestic Representative and/or Appointment of Attorney/Domestic Representative

To the Commissioner for Trademarks:

MARK: JOOMLA!

SERIAL NUMBER: 77224536

ATTORNEY DOCKET NUMBER 083403.00001

The original attorney

BRIAN SPROSS

SPROSS & ASSOCIATES, PLLC

10129 BRIMFIELD DR STE 100

AUSTIN, TX 78726-1878

512-657-9649

brianlaw@yahoo.com

Original Correspondence Address :

BRIAN SPROSS

SPROSS & ASSOCIATES, PLLC

10129 BRIMFIELD DR STE 100

AUSTIN, TX 78726-1878

512-657-9649

brianlaw@yahoo.com

By submission of this request, the undersigned REVOKE~~S~~ the power of attorney currently of record, as listed above, and hereby APPOINTS the following new attorney. In addition, any additional previously-appointed attorneys that are currently listed in the application are replaced with the new "Other Appointed Attorneys" listed below.

Newly Appointed Attorney:

Dana O. Lynch

Whiteford, Taylor & Preston, L.L.P.

7 Saint Paul Street

Baltimore, Maryland 21202

United States

410-347-8700

410-234-2378

Other Appointed Attorneys:

Alexander Koff, Frank S. Jones, Jr., S. Keith Mouldsdale, Steven E. Tiller, Gregory M. Stone, Jeffrey C. Maynard, R. Christopher Ruepell, J. Bradley Aaron, Joseph L. Morales

The following is to be used as the correspondence address:

Dana O. Lynch
Whiteford, Taylor & Preston, L.L.P.
7 Saint Paul Street
Baltimore, Maryland 21202
United States

410-347-8700
410-234-2378

Signatory File [Signature](#)

Signatory's Name: Elin Waring
Signatory's Position: President

Serial Number: 77224536

Internet Transmission Date: Mon Mar 24 10:50:50 EDT 2008
TEAS Stamp: USPTO/RAA-65.111.69.227-2008032410505091
6316-77224536-400ce4c1856ae8cfa3bca3c72d
e45eb-N/A-N/A-20080324103222599826

**BEFORE THE U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

TO THE COMMISSIONER FOR TRADEMARKS:

CHANGE OF CORRESPONDENT AND POWER OF ATTORNEY

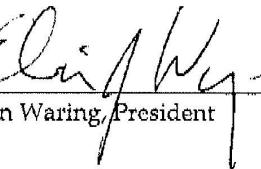
The Applicant, Open Source Matters, Inc., hereby appoints Dana O. Lynch, Esquire, Alexander Koff, Esquire, Frank S. Jones, Jr., Esquire, S. Keith Moultsdale, Esquire, Steven E. Tiller, Esquire, Gregory M. Stone, Esquire, Jeffrey C. Maynard, Esquire, R. Christopher Rueppell, Esquire, J. Bradley Aaron, and Joseph L. Morales, Esquire, all of whom have offices at Whiteford, Taylor & Preston L.L.P., Seven Saint Paul Street, Baltimore, Maryland 21202-1636, as its attorneys for the ongoing filings related to the applications for the trademarks listed on the attached Schedule A, to receive any documents or correspondence affecting such applications, and to transact all business in the United States Patent and Trademark Office in connection therewith.

Please direct all correspondence related to the Applicant's marks to:

Dana O. Lynch, Esq.
Whiteford, Taylor & Preston L.L.P.
Seven Saint Paul Street
Baltimore, Maryland 21202-1636

OPEN SOURCE MATTERS, INC.

Dated: 10/18/08

By: 
Elin Waring, President

Trademark Snap Shot Amendment & Mail Processing Stylesheet
 (Table presents the data on Amendment & Mail Processing Complete)

OVERVIEW

SERIAL NUMBER	77224536	FILING DATE	07/09/2007
REG NUMBER	0000000	REG DATE	N/A
REGISTER	PRINCIPAL	MARK TYPE	TRADEMARK
INTL REG #	N/A	INTL REG DATE	N/A
TM ATTORNEY	KHAN, AHSEN M	L.O. ASSIGNED	113

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ADDRESS	17th Floor 1995 Broadway New York, NY 10016
ENTITY	99-NON-PROFIT CORPORATION
CITIZENSHIP	New York

GOODS AND SERVICES

INTERNATIONAL CLASS	009
DESCRIPTION TEXT	Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

GOODS AND SERVICES CLASSIFICATION

INTERNATIONAL CLASS	009	FIRST USE DATE	09/15/2005	FIRST USE IN COMMERCE DATE	09/15/2005	CLASS STATUS	6-ACTIVE
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JOOMLA!

Response to Office Action

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ORIGINAL PDF FILE	SPU0-76199759-175711218_.Joomla_Install_Manual.pdf
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SIGNATORY'S POSITION	Attorney of Record
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To the Commissioner for Trademarks:

Application serial no. **77224536** has been amended as follows:

CLASSIFICATION AND LISTING OF GOODS/SERVICES

Applicant proposes to amend the following class of goods/services in the application:

Current: Class 009 for Downloadable software for the creation, integration, publication, management, and maintenance of content, including text, documents, audio, and video

Original Filing Basis:

Filing Basis: Section 1(a), Use in Commerce: The applicant is using the mark in commerce, or the applicant's related company or licensee is using the mark in commerce, on or in connection with the identified goods and/or services. 15 U.S.C. Section 1051(a), as amended. The mark was first used at least as early as 08/31/2005 and first used in commerce at least as early as 08/31/2005, and is now in use in such commerce.

Proposed: Class 009 for Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video

Filing Basis: Section 1(a), Use in Commerce: The applicant is using the mark in commerce, or the applicant's related company or licensee is using the mark in commerce, on or in connection with the identified goods and/or services. 15 U.S.C. Section 1051(a), as amended. The mark was first used at least as early as 09/15/2005 and first used in commerce at least as early as 09/15/2005, and is now in use in such commerce.

Applicant hereby submits a new specimen for Class 009. The specimen(s) submitted consists of Latest revision of Joomla! software Installation Manual.

For an application based on 1(a), Use in Commerce, "The substitute specimen(s) was in use in commerce as of the filing date of the application."

Original PDF file:

[SPU0-76199759-175711218 . Joomla_Install_Manual.pdf](#)

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SIGNATURE(S)

Declaration Signature

If the applicant is seeking registration under Section 1(b) and/or Section 44 of the Trademark Act, the applicant had a bona fide intention to use or use through the applicant's related company or licensee the mark in commerce on or in connection with the identified goods and/or services as of the filing date of the application. 37 C.F.R. Secs. 2.34(a)(2)(i); 2.34 (a)(3)(i); and 2.34(a)(4)(ii). If the applicant is seeking registration under Section 1(a) of the Trademark Act, the mark was in use in commerce on or in connection with the goods or services listed in the application as of the application filing date. 37 C.F.R. Secs. 2.34(a)(1)(i). The undersigned, being hereby warned that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements may jeopardize the validity of the application or any resulting registration, declares that he/she is properly authorized to execute this application on behalf of the applicant; he/she believes the applicant to be the owner of the trademark/service mark sought to be registered, or, if the application is being filed under 15 U.S.C. §1051(b), he/she believes applicant to be entitled to use such mark in commerce; to the best of his/her knowledge and belief no other person, firm, corporation, or association has the right to use the mark in commerce, either in the identical form thereof or in such near resemblance thereto as to be likely, when used on or in connection with the goods/services of such other person, to cause confusion, or to cause mistake, or to deceive; that if the original application was submitted unsigned, that all statements in the original application and this submission made of the declaration signer's knowledge are true; and all statements in the original application and this submission made on information and belief are believed to be true.

Signature: /Brian Sgross/ Date: 03/10/2008

Signatory's Name: Brian Sgross

Signatory's Position: Attorney of Record

Response Signature

Signature: /Brian Sgross/ Date: 03/10/2008

Signatory's Name: Brian Sgross

Signatory's Position: Attorney of Record

The signatory has confirmed that he/she is an attorney who is a member in good standing of the bar of the highest court of a U.S. state, which includes the District of Columbia, Puerto Rico, and other federal territories and possessions; and he/she is currently the applicant's attorney or an associate thereof; and to the best of his/her knowledge, if prior to his/her appointment another U.S. attorney or a Canadian attorney/agent not currently associated with his/her company/firm previously represented the applicant in this matter: (1) the applicant has filed or is concurrently filing a signed revocation of or substitute power of attorney with the USPTO; (2) the USPTO has granted the request of the prior representative to withdraw; (3) the applicant has filed a power of attorney appointing him/her in this matter; or (4) the applicant's appointed U.S. attorney or Canadian attorney/agent has filed a power of attorney appointing him/her as an associate attorney in this matter.

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...because open source matters

Joomla! 1.5

Installation Manual

Author: Andy Wallace

Joomla! User Documentation Team

Version 0.5

30 October 2007

Acknowledgements & License

Acknowledgements

I would like to pay tribute to the Developers for their continued efforts in putting together the remarkable Content Management System that is Joomla! 1.5.

Furthermore, the same tribute is to be paid to the many other Work Group members, past and present, who have played their part in getting Joomla! to where it is today.

The tribute also goes out to all the everyday Joomla! Community members who have played their part in testing, reporting issues and, more importantly, workable solutions to the Project.

Finally, I would like to single out a couple of people who have made the work on the User Documentation Team possible for the 1.5 release:

Chad McKissick and Leandro Bergantinos without whom the work would be further behind than it already is!

Amy Stephen for some last minute reading and suggestions.

License

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Andy Wallace

Feedback

We would appreciate any constructive feedback on this document. Please let us have your [Suggestions, Corrections, or Modifications](#) in the forum. Or send me (humvee) a personal message from the forums.

Documentation the same as the Joomla! Project as a whole is an evolutionary process, so if you have ideas let us know about them. If you would like to contribute in some way then again use the forum or PM me.

Changelog

Version	Date	Details
	30 Oct 2007	Version 0.5
	25 Oct 2007	Added notes to Minimum Requirements
	23 Oct 2007	Added to Obtaining Joomla! advice on Nightly Builds and SVn
	20 Oct 2007	Added to Known Issues
	15 Oct 2007	Added .htaccess & php.ini detail to Error Handling section
	12 Oct 2007	Added further detail to the System requirements table & content
	6 Oct 2007	Added further warning note regarding the Installation Folder deletion process/error in RC3
	5 Oct 2007	Added further caution/warning and notes to Introduction and Installation sections.
	3 Oct 2007	Added further caution note regarding Web Browser Installation Step 2 - Pre-Installation Checks
	1 Oct 2007	Added to Software Requirements Caution regarding Zend Optimizer - thanks Andrew Eddie
0.4	25 Sep 2007	Initial Public Release & PDF base

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Introduction

Well you have made the most important choice so far, by selecting Joomla! 1.5 as your choice of Content Management System (CMS).

Joomla! is currently one of the most popular and effective Open Source projects and has won a number of prestigious awards in its short, but illustrious existence.

Joomla! 1.5 is the second, main incarnation of the Joomla! series of releases. The original Joomla! 1.0 series being a direct derivative of the Mambo CMS which many of the current Joomla! Developers helped create. Joomla! 1.5 is a major step forward from 1.0, with many new features and a far more integrated framework.

This manual seeks to provide you with the necessary information you need in order to safely install the basic core package onto an existing, fully operational, Web server.

We will, by necessity, touch upon the essential needs for setting Joomla! Up, but this manual is not a detailed guide on how to build and configure a Web server or database. You are essentially expected to have these in operation already.

We will take you through:

- the general steps of obtaining Joomla!
- ensuring your Web server meets the minimum requirements needed
- how to deal with both a straight forward and slightly more complex installation of the software
- possible problems that you may encounter along the way and the resolution of many of these
- together with additional resources and information that is available to you

We trust you will enjoy the process and can then look forward to tailoring Joomla! to your own specific requirements.

Installing and using Joomla! is generally straight forward, getting your perfect Web site takes a lot more effort but there is much, as you will discover, that has been done to make the process easier along the way.

There may be a time lapse between the information contained within the Web pages and this downloadable PDF version of the manual. This will be minimalised as much as possible, but the Web pages will always be the most up-to-date.

If you intend migrating content from an existing Joomla! 1.0.x Web site we strongly recommend first running a test installation of Joomla! 1.5 before you proceed with the migration attempt. Always make sure you have backed up your data before running the Migrator Component.

Caution: Please completely read through the Installation Manual before commencing the installation, it may well save you a lot of grief!

Minimum System Requirements

To successfully install and use Joomla! you must have a fully operational Web server (Apache is the optimum), a database (MySQL is the optimum) and the server side scripting language PHP together with specific modules that are activated within PHP for MySQL, XML, and Zlib functionality amongst others.

Note: Joomla! is developed and tested primarily on the Apache Web server versions 1.3.x + and 2.x +. Whilst there is every chance that it will work with other systems, such as Windows IIS, these are not necessarily supported as fully/at all within the technical support community. The same has to be said unfortunately for the database where MySQL is the principle choice but other types of database may work with the necessary configuration but are less well supported at the present time. This is a situation that it is hoped will be turned around with time but for this to happen the community requires people with the appropriate skills to step forward and assist.

The minimum versions of the various constituent parts of these server components that are required are as follows:

Software	Min Version	Recommended	Optimum	Latest Release	Web Site
PHP	4.3.x	4.4.7	5.0.x series	5.2.4	http://php.net
MySQL	3.23.x or above	4.1.22	5.0.x series	5.0.45	http://dev.mysql.com/downloads/mysql/5.0.html
Apache	1.3 or above	1.3.9	2.0.61	2.2.6	http://httpd.apache.org
mod_mysql					
mod_xml					
mod_zlib					

You must ensure that you have the MySQL, XML, and Zlib functionality enabled within your PHP installation. This is controlled within the `php.ini` file.

Caution: Do not use **PHP 4.3.9**, **PHP 4.4.2** or **PHP 5.0.4**; these releases have known bugs that will interfere with the installation of Joomla! There was also an issue with the Zend Optimizer Version 2.5.10 for PHP 4.4.x. You should ask your host to upgrade to a later release as soon as possible where applicable.

Note: There are currently ongoing discussions as to whether there are additional issues with the whole 4.3.x series of releases of PHP and it has been found that the best and most consistent results are achieved with the PHP 5.x series.

Joomla! has been successfully tested on many variants within the main three OS for Windows, Linux, Apple Mac OSX. It may well work on other platforms but this is less well documented.

Joomla! is also regularly used and tested through the main Web browsers available such as IE6 +, Firefox 1.5 +, Safari, and Opera but it may also work with others.

Localhost or Remote Host Installations

A **localhost** is a Web server and associated database that is set up directly on your computer or that may be on a local network either within your home or business environment. You have direct easy access to the machine upon which the software is situated

A **remote host** is one that you access via the internet it may be owned by you or you may rent it from a dedicated hosting company. In this case there are different flavours such as managed, dedicated, virtual, or shared hosting. But in simple terms the computer that houses the software is remote from you. The scope and detailed explanation of each of these flavours is outside of the boundaries of this manual but whichever option you select you must ensure that they meet your expected requirements together with the minimum specifications detailed above.

In respect of the *localhost* option there are a number of ready made packages that put all the necessary software together (excluding Joomla!) in one easily installable package that generally allow you to have your own personal Web server and database without really knowing too much about how they work.

The following are the more readily available, and popular, varieties of these packages and the operating systems for which they are designed.

Warning: With the exception of the LAMP packages, none of the others should be used for *live* Web sites they are only intended for development/localhost servers. The LAMP packages when used in conjunction with the Linux security measures are generally the same for localhost and live site situations.

The AMP elements within the following package names stand for Apache, MySQL, and PHP.

Package Name	Operating System	Web Site	Documents
WAMP	Windows	http://www.wampserver.com/en/	http://www.wampserver.com/wamp5.chm
MAMP	Apple Mac OSX	http://www.mamp.info/en/mamp.html	http://www.mamp.info/en/help.html
LAMP	Linux (and other Unix)	Distribution Dependant	
XAMPP	Multi-platform –Mac Windows, Linux, Solaris,	http://apachefriends.org	http://www.apachefriends.org/en/faq-xampp.html

Most Linux distributions these days come with the requisite components available within their own repositories, or even within the main distribution software download that you get. There will often be different ways of activating the functionality so you would need to check the documentation of your own particular distribution choice. The individual distributions compile the necessary dependencies, links, and changes as a part of the installation process, be it RPM, YUM, or one of the other bespoke installers.

Alternatively, on any OS platform you can download and configure the individual components from the various Web sites listed (as you generally would need to do for a live Web site if your hosting provider did not cater for these) and create your own servers, but these packages do provide an easier, integrated solution.

Most of the packages will also usually contain some form of database administration program as well, for example, [PHPMyAdmin](#) or [MySQLAdmin](#), to enable effective management of the database, if not, you will find it advantageous to install such a program if you intend doing any sort of database editing work.

Caution: The remainder of this Manual assumes that you have a fully functioning Apache, MySQL, and PHP based Web server.

We would strongly recommend testing Joomla! and its functionality on a *localhost* installation in the first instance to get a feel for the software and what it can offer you.

On remote, hosted or dedicated servers the configuration and availability of these applications will depend on the host provider or the operating system that is installed upon the server. It would be a wise move to determine their current versions as well as the host's policy regarding updating the software before signing any contracts. The variation that can occur between providers and OS can be significant and is outside the scope of this brief instruction. If you encounter a problem with your host provider and the use of Joomla! check the forums to see if other users have experienced the particular issue and what their solution was.

Joomla! can be used with alternative Web servers such as Microsoft© Internet Information Service (IIS) as well as alternative database models (database work is very much in its infancy though), but these are not paths we intend exploring in this manual as Joomla! is primarily developed for use on the AMP combinations already stated.

Note: There is less technical community support currently available for server platforms other than AMP.

There are discussions and work under way to expand the platforms upon which Joomla! will operate without significant issue, but this is in its early stages of development. For particular issues, or to see if a combination of programs meet the necessary criteria, check [the forums](#) to see if anyone else has succeeded with a particular task or indeed whether you can contribute to one of the ongoing projects.

Checking the Installation

Once you have completed the necessary installation of your server software it is worth running a quick test to ensure that all the necessary, minimum requirements are met.

Warning!: Remove the `phpinfo.php` file from your Web root as soon as you have the necessary information. Leaving it in situ is a security risk. Your Joomla! installation has a built in version of the same script in the Help Menus for future reference.

You can do this very simply by creating a basic PHP script:

```
<?php  
// Show all information  
phpinfo();  
?>
```

Save this as `phpinfo.php` for example, and save the file to the root of your Web site, then simply enter the address of your Web site into your browser as follows: <http://www.yourdomain.com/phpinfo.php> or <http://localhost/phpinfo.php> and you should receive a detailed summary and state of all the PHP compilation options and extensions (such as the Zlib, XML, and MySQL modules), the PHP version in use, server information and environment (if it is compiled as a module), the PHP environment, Operating System version information, paths, master and local values of configuration options, HTTP headers, and the PHP License. See the next page for a (very) compressed view of the information that this script outputs.

For a full description of all the elements that are output, visit the explanatory page at <http://uk3.php.net/phpinfo>.

Remove the `phpinfo.php` file from your Web root as soon as you have the necessary information. Leaving it in situ is a security risk. Your Joomla! installation has a built in version of the same script in the Help Menus for future reference.

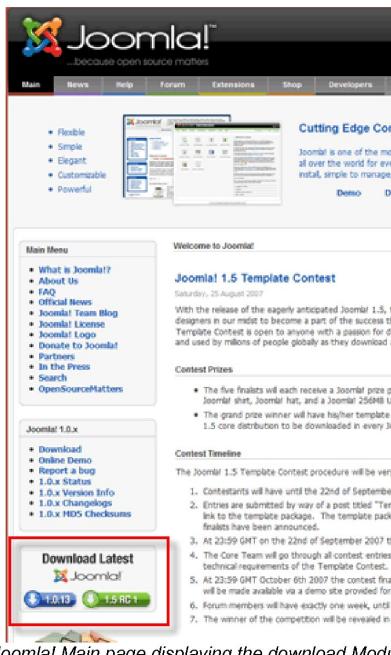
Check out the online [Glossary](#) to assist with definitions of individual words that are new to you. If we have missed any let us know please.

PHP Version 5.2.3		
System Configuration		
Apache Environment		
PHP Credits		
Configuration		
PHP Core		
apache2handler		
Apache Environment		
HTTP Headers Information		
mail		
MySQL		
SQLite		
Standard		
Session		
SPL		
Streams		
tokenizer		
wddx		
xml		
xmlreader		
xmlwriter		
xsl		
Zend Optimizer		
zip		
Additional Modules		
Environment		
PHP Variables		
PHP License		

Compressed view of the output of "phpinfo"

Obtaining Joomla!

Getting hold of Joomla! could not be easier; simply point your mouse to the Main Joomla! page <http://joomla.org> and click the latest release identified in the special Module in the left-hand menu – referenced by the box highlighter. You will note that both the 1.0.x and the latest 1.5.x releases are available but we are only interested in the 1.5.



Joomla! Main page displaying the download Module

Click the 1.5 icon and you will be redirected to the download page for the Joomla! Project within the <http://joomlancode.org> developer repository.

You will be presented with a screen similar to the following:



Joomla! Code project page displaying the download options for the latest Joomla! version.

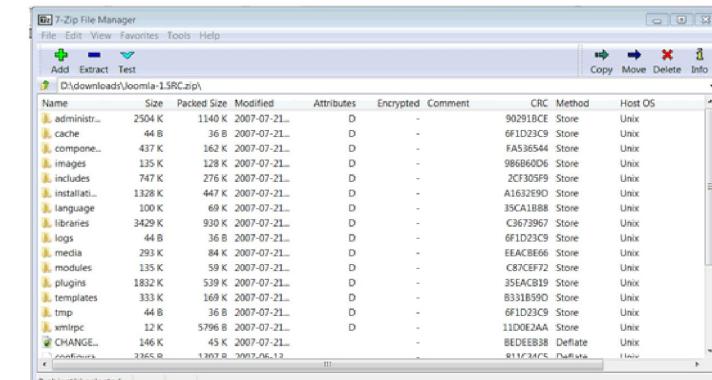
The box highlighter is showing the .zip variant of the three available compression types of download; in addition there are .tar.gz and .tar.bz2 types. Just select the one appropriate for your operating system.

A download pop-up will appear, and you should save the file to an appropriate location on your hard drive.



Joomla! Code screen with download pop-up displayed

Open the file on your local hard drive using the appropriate compression program for the type of file. If you do not already have such a program there are many open source programs available for free, download from different locations such as [Source Forge](#). In this instance we are using [7-ZIP File Manager](#), but they all operate in much the same way (at least on Windows). On Linux systems the same tasks can be achieved from the command line, or once again, through the use of a separate program. Mac OS X has a number of options also including the command line, and [The Unarchiver](#) has a good reputation or the default, built-in utility [BOMArchiveHelper.app](#).



7-Zip File Manager displaying the files contained within the Joomla! 1.5 core compressed file.

Uncompress (**Extract**) the package to a suitable location - it is not important where this happens to be so long as you can find the files again when it comes to installing them onto the Web server. The resulting list of directories and files that you will have within your directory will be similar in appearance to the following:

Name	Date modified	Type	Size
administrator	28/08/2007 12:52	File Folder	
cache	21/07/2007 12:01	File Folder	
components	28/08/2007 12:52	File Folder	
images	28/08/2007 12:52	File Folder	
includes	28/08/2007 12:52	File Folder	
installation	28/08/2007 12:52	File Folder	
language	28/08/2007 12:52	File Folder	
libraries	28/08/2007 12:52	File Folder	
logs	21/07/2007 12:01	File Folder	
media	28/08/2007 12:52	File Folder	
modules	28/08/2007 12:52	File Folder	
plugins	28/08/2007 12:52	File Folder	
templates	28/08/2007 12:52	File Folder	
tmp	21/07/2007 12:01	File Folder	
xmlrpc	28/08/2007 12:52	File Folder	
CHANGELOG.php	21/07/2007 10:57	PHP Script	147 KB
configuration.php-dist	13/06/2007 23:01	PHP-DIST file	4 KB
COPYRIGHT.php	19/07/2007 09:18	PHP Script	4 KB
.htaccess.txt	05/06/2007 01:48	Text Document	3 KB
index.php	08/06/2007 21:28	PHP Script	3 KB
index2.php	08/06/2007 22:41	PHP Script	1 KB
INSTALL.php	08/06/2007 22:41	PHP Script	5 KB
LICENSE.php	16/07/2007 09:43	PHP Script	18 KB
robots.txt	08/08/2006 05:51	Text Document	1 KB

The uncompressed Joomla! 1.5 distribution file pack

Nightly Build

Whilst Joomla! 1.5 is still in its development stages (currently RC3) changes are made to the code to correct bugs and to improve stability on an almost hourly basis sometimes.

We have included this segment within the Obtaining Joomla! Section as it is logical to start with the latest available version where possible and practicable, but it would equally be at home in the [Known Issues](#) section at the end of this manual.

Nightly Build

We strongly recommend therefore that as a minimum you keep right up-to-date by using the latest . Nightly Build

Be aware that the Nightly Build is an automated process. It is created at the same time each day. The Nightly Build does not include an automatic updater program, nor can you link directly into the Nightly Build and have it add itself to your installation.

Caution: Before overwriting any of your files or making any related changes you should backup your existing database, directory, and file structure so that you have a roll-back point if things go wrong! You must make a copy of your configuration.php file and any .htaccess or php.ini files together with images, media, documents and other files you may have added and reintroduce these where appropriate.

You have a number of choices when using the Nightly Build as to how to use it:

Fresh Installation

You simply download the latest [Nightly Build](#) and continue with the installation as you would the "standard" Joomla! package from Joomla! Code. If you are working on a local test environment it is a good idea to use this method without deleting previous examples as this can assist any troubleshooting you might need to do and can therefore always refer back to previous installations to see what has changed, and it is ultimately possible to install as many versions as your computer has space for!

SVN

Warning!: This is not recommended for novice and/or normal Users.

It is a code Development tool and has the complexities to match! It should not be used for live sites. SVN gives you the absolute latest download at the precise moment you request it. But that could theoretically be at the point that someone is uploading files for example!

If you are looking to develop Joomla! Extensions, learn the ins-and-outs of precisely how Joomla! is put together, or are working on a particular project that demands the absolute latest version of Joomla!, and for those helping test Joomla! to assist with the development and Quality and Testing process then we recommend using Subversion (SVN).

You will find full details of the setting up of your local repository and access to the SVN downloads on the [Developer Site](#) and accordingly we shall not repeat them here.

Final Preparation

Transferring the files

The first task is to upload the uncompressed collection of files that you created during the last section to your Web server. If you are installing on a localhost - for example the computer you are working on – then it is simply a case of copying and pasting (or moving) the files into the root folder (or a sub-folder) of the Web server. If however you are running the server on a remote host, then this process will involve the use of a FTP (File Transfer Protocol) client program, some Web Browsers have such a tool built in or can be added in, or the control panel of your host provider, if one is available.

Warning!:The root folder is located in different places depending upon the operating system/distribution and Web server package you are using and it might be called *htdocs*, *httpd*, or *www*, but we would be here a long while if we tried to detail every possible combination of OS, distribution, package, and directory structure, together with the settings that could and/or have been made by the Hosting Company, therefore, establishing this is up to you!

In some cases it will be possible – as well as quicker and easier - on remote hosted servers to upload the compressed file via your FTP client and to then unzip or uncompress the file directly into the root directory. This will most often be the case with Linux based Web servers where command line access is available.

Some Hosting Companies incorporate a file management system within their bespoke control panels which will include an FTP program.

Caution: Occasionally files will become corrupted during the transfer and it may be necessary to complete this procedure more than once.

If you get completely stuck then ask at the [forums](#) for assistance **after** first doing a search in case someone else has already asked the same question.

A bit more preparation...

You are now, almost, ready for the final leap-of-faith and the installation of Joomla! but we would recommend gathering together some final bits of information that will be needed to complete the task and it is better to have them to hand from the beginning rather than scrabble around for them whilst proceeding with the installation itself.

MySQL Details

Warning!: Make sure that the database is configured with the UTF-8 MySQL collation and that any changes you make to files is also saved as UTF-8 No BOM encoding.

- the **host name** for your database – if you are installing locally or on a dedicated, remote host – this host name is likely to be *localhost*. If you are installing remotely to a shared hosting Web server and database it is likely that your host provider has their own way of identifying a particular customer's database, and you must make sure you have this information to hand if you are to successfully complete the installation.
 - Your host name:
- the **username** and **password** of the database root user – your access keys to the database. Again if you are installing locally or to a dedicated remote host these are likely to either be the default settings or a name and password that you had previously entered during installation of the database software. The default username is typically *root*, although you can change this for something else if you want - just make sure you keep a note of it. See the next section [Secure Password Thinking](#) for some hints.
 - Your username:
 - Your password:
- the **database name** by which you are identifying the database for this Web site. For a localhost or dedicated remote server you will be able to set this to what you want but on shared or virtual hosted servers these may again be set by the host company.
 - Your database name:

Warning! By default the standard installation of MySQL does not use a password - it is blank. This will not be accepted by Joomla! and it is not a particularly wise security habit to get into in any case. You should ensure that you have set a password up within the `my.ini` file which is the configuration file of MySQL.

FTP account details

Joomla!'s new FTP Layer feature has been introduced to overcome perennial problems that have been experienced by many Linux/Unix host Users in the past where there are file write permission issues with the Users Host Provider particularly on Shared Hosting servers. This can significantly affect the installation of new Extensions or writing to the `configuration.php` file.

Using the FTP layer eliminates the need to make directories and files writable and thus improves overall security of the installation and server. It also makes the site administrators job a lot easier!

Note: The FTP layer is not required on Windows based host/server services as the file write protection is handled differently.

Localhost installations do not require the FTP details to be included.

If you do not want, or are unable, to complete these details at this stage they can be added through the **Control Panel->Site Menus->Global Configuration** screens at a later time.

It will also be advisable if you are intend using the new FTP layer facility of Joomla! to have your FTP details available.

These are:

- **username** – The name you enter to actually access your Joomla! Web site root directory through an FTP client program. For a Web site on a remote hosting server the host may have provided you with a specific ID related to your account. This will be for the whole of your Web server and you should set up a separate FTP account for access to this Joomla! site root directory only.
 - Your FTP username:

- **password** – the password you enter to confirm your identity and therefore access the Joomla! Web site root directly with the FTP client program. This should be different to that which may have been set by your hosting company for the main Web server, where applicable.
 - Your FTP password: [REDACTED]
- **host** – the URL address of the FTP server for access to your Web site. If you are running this on a local machine (non-Windows only) then this address will typically be 127.0.0.1. If you are using a remote host it may be a specific address that the host sets or a URL related to your Web site
 - Your FTP host: [REDACTED]
- **port** – generally most FTP servers utilise port 21 and this is the default setting that Joomla! Assumes
 - Your FTP port: [REDACTED]
- **root** – this is the Joomla! root directory within your Web server that the FTP client is required to open into by default. Obtain the full path detail to this directory.
 - Your FTP root pathway: [REDACTED]

Caution: It is important to note that if you run more than one Web site on your server that the pathway to the root directory will change for each site – the other four settings will not necessarily have, or on shared hosting likely be able, to change.

Once these details are collated you are ready to proceed with the installation.

Secure Password Thinking

Any password you create for Joomla!, MySQL, Apache, or in fact any passwords you ever create should be made as secure as possible.

Typically this would mean:

- using a minimum of 6 characters -the more the better but 8-10 should be an ideal
- a mixture of upper and lower case alphabet characters, numbers, and permitted special characters for example -, _, *, \$, !, %, although the use of these may be governed by the host settings on shared or virtual hosted, remote servers
- do not use easily identifiable passwords for example, birthdays, children's or family names or words that could be easily associated with you
- in fact try not to use real words at all, replace letters with their numeric *equal* so the word ocean could become 0c34n (yes – I know it is a real word and there are only 5 characters but it is just an example) try 0c34n!c – and no do not now use that either
- another way is to think entirely *off-the-wall*. Think of a favourite novel for example, The Hitch-hikers Guide to the Galaxy, and then take say the first and last letter from each word giving a sequence of letters (as indicated by the underscores):

Example 1. **t e h s g e t o t e g y**

this clearly means absolutely nothing but it could still be traced – eventually – by a determined cracker so let us mix it up a bit more:

Example 2. **T 3 h \$ 9 3 t 0 T 3 g Y**

but you can now see that it would be a pretty *illogical* logic that would need to be applied to even come close to cracking that and when the additional security features of the various platforms is then laid over the top of this – we would not want to say it is impossible to crack, but they would take a very long time, and of course you should regularly change your passwords anyway.

- if you keep a written record of your passwords always ensure they too are kept secure and safely out of the way of prying eyes
- despite the temptation, try to avoid using the same password for all your various access requirements, both at home and at work

Note: The spaces are included in the two examples solely for clarity and should not be included and in fact spaces are generally not accepted in passwords

Installation

We are now ready to proceed with the actual installation of the Joomla! program onto the Web server.

There are two ways of installing Joomla! The first – *Web Browser Installation* - can be considered easier than the second - *Manual Installation* - really as a result of the number of steps that are required.

Either will work with a little patience and concentration to detail.

Caution: Do not try to use both methods of installation, or part of one and part of the other for the same installation as this will cause you problems. The only likely exception to this will be the installation of the Sample Data. If you choose not to install this initially during the Web Browser Installation but then decide you want it after all you can add the Sample Data provided no other content has been added since the installation took place even if you have subsequently deleted that content.

In this instance it would be easier and safer to re-install the package from the beginning, having first deleted the directory and database.

Web Browser Installation

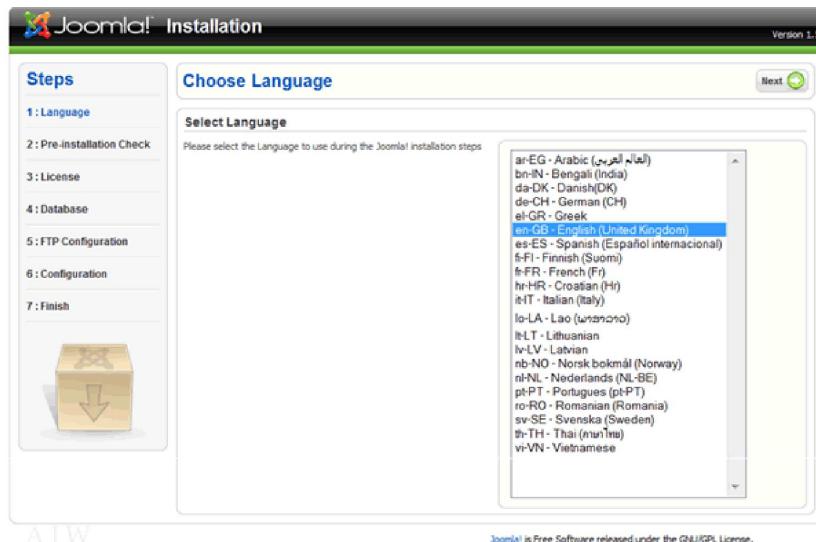
The browser installation method of installing Joomla! is the far straighter forward of the two methods and is what is hoped to be a typical installation. Whilst it is relatively easy it is only a semi-automatic method as you do still have to enter some details during the process. However, the "hard" work is done for you by the installer software itself.

Assuming you have already uploaded the Joomla! core pack of files to your Web root directory, be it on your local machine or a remote host, the next step is to start your Web browser and enter the URL to your Web site. There are a number of options open to you in this process:

- This may simply be <http://localhost/joomla> for a local installation, or <http://www.yourdomain.com> for a remote installation.
- If you have installed Joomla! in a sub directory of your Web root then you will need to add that directory to the end of the address for example <http://localhost/joomla/test> or <http://www.yourdomain.com/joomla>.
- If you have installed Joomla! as a sub-domain on a remote host this might appear as <http://www.joomla.yourdomain.com>.

Step 1 - Language Choice

Whichever of these scenarios fits your particular situation, once you hit the **enter** key you should be presented with the following screen:



The Language Selection page of the Joomla! Installation Process

You should notice that **en-GB – English(United Kingdom)** is selected. This is the default language used for all Joomla! Core development. Simply select your preferred language for the installation process. If your own language does not appear in the list you may consider assisting in the translation of the core for other people in the same position. Visit the [Translation Forums](#) for further details.

The language files included in the core only relate to the installation process itself and do not affect the Front-end or Back-end displays of Joomla! and by default these are only installed in en-GB . This happens simply, as to include all the translations for the core files would make the download an unmanageable beast in size. Individual languages into which Joomla! has been translated are carried on the [Joomla! Code](#) repository site.

Full details of the language packs currently available can be found within the Joomla! Developer Network site in the Menu Module on the left of the page.

Reproduced below for convenience:

Copyright & Licence explained
Accredited Translations / Translation Partners
Translation Policy
Translation Manual

Accredited translations are those that have been approved by Joomla!.

Translation Partners are international groups who have developed Web sites that carry translations of the Help Screens and other official documentation and have entered into an agreement with Joomla!.

If you wish to contribute to the translation effort contact the co-ordinator of an existing project listed on the [Accredited Translations](#) page.

Language packs can be uploaded and installed using the Installation Manager in the **Control Panel->Extensions** Menu. There are separate files for the Site Front-end and the Administrator Back-end.

Once you are happy with your language selection click **Next**.

Step 2 - Pre-installation Check

The next screen is Joomla!'s confirmation of what you hopefully already know if you followed the earlier advice of using `phpinfo()`. The screen shows whether your server meets all the necessary criteria to successfully complete the installation.

The screenshot shows the Joomla! Installation interface at Step 2: Pre-installation Check. The left sidebar lists steps 1 through 7. The main area displays the 'Pre-installation Check' results for Joomla! 1.5.0 Production/Stable [Endegeo] on 1-September-2007 15:00 GMT. It includes a table of PHP requirements and a table of recommended settings.

Requirement	Value
PHP Version >= 4.3.0	Yes
• Zip Compression Support	Yes
• XML Support	Yes
• MySQL Support	Yes
• MB Language is Default	Yes
• MB String Overload Off	Yes
configuration.php Writable	Yes

Directive	Recommended	Actual
Safe Mode	Off	Off
Display Errors	On	On
File Uploads	On	On
Magic Quotes Runtime	Off	Off
Register Globals	Off	Off
Output Buffering	Off	Off
Session Auto Start	Off	Off

Pre-installation Check Screen

If any of the responses in the first section are set to **No** (with the exception of the configuration.php being writable) you should rectify the situation before attempting to continue with the process as these represent the essential requirements for the installation. Failure to do this may cause your Joomla! Web site to function incorrectly, or require you to carry out additional procedures at the end of the standard browser installation.

The most common error that Users encounter is that the configuration.php file is not *writable*. See the section on [Known Issues & Error Handling](#) for details on how to correct this issue later in the guide.

The second block of settings indicate certain specific settings within the PHP code base configuration. Whilst these are recommended, Joomla! will still install but there will be more to do later on and there is a risk that your Web site would be open to malicious assault if you did not rectify them. These settings may be adjusted at any time. The first column shows the recommended settings and the second those that are identified within your server.

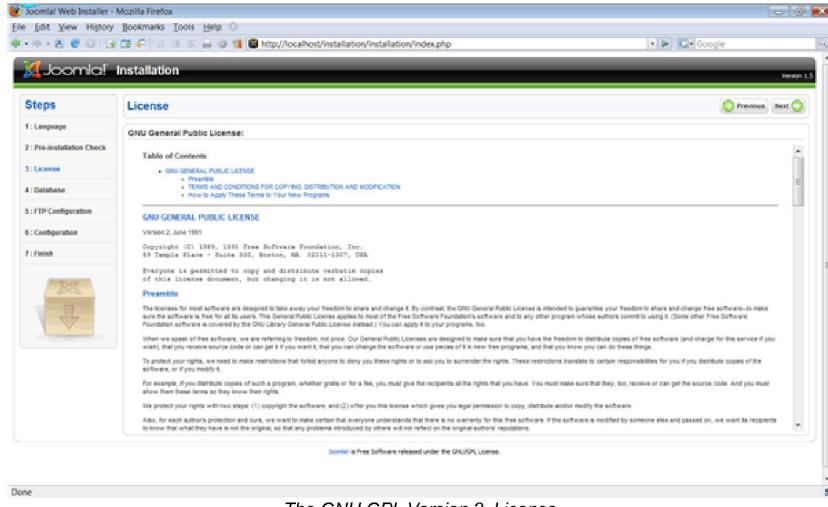
Note: We will detail some more of the common problems and solutions in the [Error Handling](#) section at the back of this manual rather than blur the picture at this stage.

You do not have to exit the installer in order to change a setting. Once you have made a change simply click the **Check Again** button to reassess the situation. It is also possible to return to the Language Choice screen by clicking the **Previous** button.

When everything is set as required, click the **Next** button.

Step 3 - License

There is nothing to actually enter, or change, on the License screen however, it is recommended that you read, understand, and agree to the terms and conditions under which Joomla! is released. Please note that whilst there is no specific agreement option (nor indeed a registration process) within this screen by using Joomla! you are confirming your agreement to the terms and conditions of it.



The [GNU GPL Version 2. License](#)

The license under which all Joomla! releases have been made to date is the [GNU GPL v2 license](#). GNU is the organisation responsible for maintaining the license and GPL stands for General Public License. If you have any Joomla! specific questions regarding licensing visit the [Legal Forums](#). Once you have read the license click the **Next** button.

Step 4 - Database Configuration

We now enter the final, and you could say, most important stages of the browser installation. This step establishes the information Joomla! requires in order to communicate with your database.

The Database Configuration Stage Screen

Basic Settings

Database Type: mysql (This is probably MySQL)

Host Name: localhost (This is usually localhost or a host name provided by the hoster)

User Name: root (This can be the default MySQL username root or a username provided by the hoster, or one that you have created whilst setting up your database server.)

Password: ***** (For site security using a password for the MySQL account is mandatory. This is the same password used to access your database. This may again be preset by your hoster.)

Database Name: install (Some hosts allow only a certain DB name per account. If this is the case use the table prefix option in the following Advanced Parameters section to distinguish more than one Joomla! site.)

Advanced Settings

Drop Existing Tables (radio button)

Backup Old Tables (radio button) (Any existing backup tables from former Joomla! installations will be replaced)

Table Prefix: jos_ (Do not use 'bak_' since this is used for backup tables)

You now require the information you (hopefully) secured earlier in this guide.

Select the database type from the drop down list, which includes **mysql** and **mysqli** by default. Typically you will select **mysql** for your database choice. There may be subsequent changes that require the use of **mysqli** but such speculation is outside the scope of this document.

Further Information: If you would like to read more about the difference between the two types visit <http://dev.mysql.com/downloads/connector/php/> where you will find some basic details.

Thereafter, enter the **Host Name**, **User Name**, **Password**, and **Database Name** for your database.

The Additional Settings fields allow for further definition of your database. If, for example, you have had a previous, but no longer required, database of the same name as you have entered in the field above, you have the options to either drop (delete) the tables within the existing database or create full backups of the tables and therefore retain the information just in case you need to step back from the current installation utilising this backup.

You can also change the Table Prefix that Joomla! will use for all the tables in your database. You may want this facility if you are running more than one Joomla! Web site from within the same database.

Warning!: Never use the prefix *bak_* as this is used by Joomla! specifically for back-ups of tables within the database.

Always ensure the inclusion of the single underscore character following the prefix you choose otherwise the prefix will simply "run into" the table name. The default prefix is *jos_*.

Your Database Configuration will now look similar to the following:

The screenshot shows the 'Database Configuration' page with the following settings:

Basic Settings

- Database Type:** mysql (selected)
- Host Name:** localhost
- User Name:** root
- Password:** (redacted)
- Database Name:** install

Advanced Settings

- Drop Existing Tables
- Backup Old Tables *(Any existing backup tables from former Joomla! installations will be replaced)*
- Table Prefix:** jos_ *(Do not use 'bak_' since this is used for backup tables)*

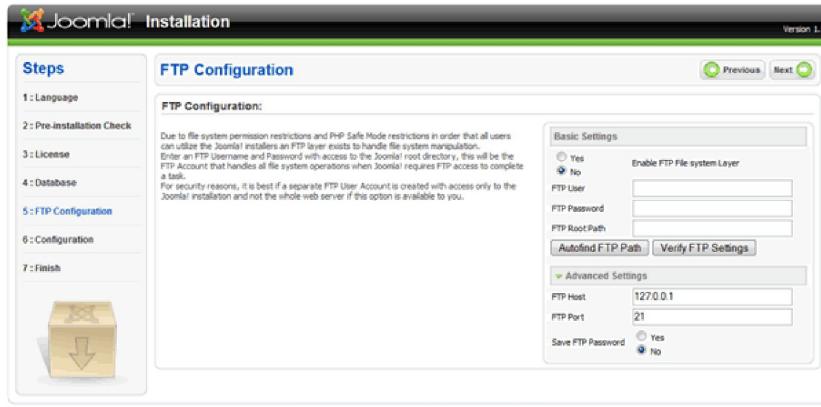
Completed Basic and Advanced Settings of the Database Configuration page

Once all the necessary settings have been entered correctly, click Next.

Note: We will detail some of the common problems and solutions in the Error Handling section at the back of this manual rather than blur the picture at this stage.

Step 5 - FTP Configuration

Due to file system permission and PHP Safe Mode restrictions on certain Linux based server hosts, a facility has been introduced in Joomla! 1.5 that will allow all authorised Users to utilize the various Joomla! Installation & upload processes available within the Control Panel. These include the Media Manager as well as the Installation Manager. The FTP layer exists to handle file system manipulation.



Step 5 – The FTP Configuration Screen

Enter the FTP username and password established during the preparatory section of this guide. This should only have access to the Joomla! root directory, this will be the FTP Account that handles all file system operations when Joomla! requires FTP access to complete a task.

Warning! For security reasons, it is best if a separate FTP User Account is created with access only to the Joomla! installation and not the whole Web server if this option is available to you.

It is not generally necessary to worry about the FTP Configuration page for a localhost installation of Joomla!, although the exception to this might be on a local network.

Note: The settings for the FTP Configuration can be entered, or edited after installation, within the Global Configuration screen in the **Control Panel->Site** menu or through the **Quick Icon** on the Control Panel workspace.

Note: We will detail some of the common problems and solutions in the Error Handling section at the back of this manual rather than blur the picture at this stage.

Caution: It is important to note that if you run more than one Web site on your server that the pathway to the root directory will change for each site – the other four settings will not necessarily have, or on shared hosting likely be able, to change.

Once you have completed the required information, as necessary or, if you do not require the FTP Configuration to be entered, click **Next**.

Step 6 - Main Configuration

The Main Configuration screen allows the setting of three critical elements for the installation of Joomla! to your Web server.

The screenshot shows the 'Main Configuration' step of the Joomla! installation process. The 'Site Name' field is populated with 'Joomla!'. Below it, 'Your E-mail' and 'Admin Password' fields are filled. A note says 'Install Default Sample Data' is strongly recommended. A 'Load Migration Script' section is present, showing 'Old Table Prefix' set to 'jos_'. A note states: 'The migration script needs to be created on the old site by the user, as previous to confirm, enter the table prefix of the old site and enter the encoding used in old site (ISO-8859-1 or UTF-8). The migration script needs to be Joomla! 1.5 compatible and should have the appropriate table prefix.' A 'Migration Script' file is uploaded and ready to be executed.

The Main Configuration screen of the Joomla! installation process

There are three sections to the Main Configuration screen; the first of which is the Site Name. Whilst this may appear obvious it does bear pointing out that this is also the name that will be used when site e-mails are issued, or when error or access warning messages are issued from the Front-end of the Web site. Unlike in earlier releases of Joomla!, and its predecessor, the Site Name will not appear in the User's browser title bar. This entry can be edited at a later time in the *Global Configuration->Site* page of the Control Panel.

The second section relates to key information concerning the primary Super Administrator, you!

Enter your e-mail address, or the one that you want all site warnings, messages, and e-mails to be sent from and that incoming contact methods will be directed to. It will appear as the *From* address on all Site outgoing e-mail messages. There are also two text fields into which you should enter and confirm the password that you will (as the primary Super Administrator) use to login to the Web site, in combination with the default username, for the primary Super Administrator, of **admin**.

Caution: It is worth pointing out that at least for public sites the MySQL,FTP, and Login usernames and passwords should not be the same. To do so would add unnecessary security risks.

Note: If you are migrating data from an existing Joomla! 1.0 installation, or uploading a **full** SQL back-up from an existing Joomla! 1.5 installation, you do not need to complete these first two sections as the information will be automatically transferred within the migration script or back-up file.

Caution: An additional security suggestion that you might consider is to change the User `admin` to something less obvious once the installation is completed. This can be done (along with any subsequent changes you wish to make to the password) in the **Control Panel->Site menu->User Manager** screen of the Administrator Back-end.

The third and final section relates to the data that you may, or indeed may not, want to include in the installation process. Essentially you have three choices:

- 1) enter the default sample data that Joomla! provides within the core distribution,
- 2) Migrate the data from an earlier version of Joomla! using the migration tools available, or
- 3) do neither of these and start a completely fresh and empty installation of Joomla!. In addition it is also possible to upload existing data from perhaps a back-up that has been created from another Web site although there is no specific procedure in this section to undertake this.

Looking at these options one at a time:

Installing the Default Sample Data

The sample default data is a collection of Sections, Categories, Articles, Web Links, News Feeds, and various other examples of content that have been written simply to demonstrate some of the functionality of Joomla! (much of the content is also quite informative and useful). The data is contained in an SQL file within the core installation.

By default the *Install Default Sample Data* radio button is selected, but in order to complete the installation of the Sample Data you must also click the adjacent *Install Sample Data* button. Provided all goes well you will notice that this button transforms into a confirmatory message box stating that the **Sample Data Installed Successfully**; you are then ready to complete this section by clicking *Next*.

Warning! It is not possible to simply do an SQL back-up of a 1.0.x version Web site and upload this to a 1.5 version installation as a result of the significant changes that have taken place with regard to the framework of Joomla!.

Installing a Compatible SQL Script File

There may be situations where for example you have your own localised – in language terms – version of the Sample Data, or a back-up of data from an existing Joomla! 1.5 Web site that you wish to restore/install into the new Web site you are creating. You should complete the Old Table Prefix, and Migration Script items below.

Installing a Migration SQL Script File from an earlier Joomla! version 1.0.x installation

There is a separate and detailed guide on migrating content from earlier Joomla! installations available from the [Joomla! Help Site](#) regarding the Migrator Component.

If you are migrating or restoring data select the Load Migration Script radio button. You will notice that this then enables the additional fields for *Old Table Prefix*, *Old Site Encoding*, and *Migration Script*.

Old Table Prefix:

This is the prefix used in the database from which the data is being transferred. For example, it may be **mos_** from a default Joomla! 1.0 installation or, if uploading from a core SQL file **#__**.

Old Site Encoding:

Refers to the Language Encoding used by the donor MySQL database also known as the Collation. Joomla! 1.5 must be encoded with the UTF-8 language. The Old Site Encoding details can be obtained by referring (in PHPMyAdmin) to the *Databases* tab of the main page.

Migration Script:

Browse to the Migration Script SQL data file you want to upload from a Joomla! 1.0.x installation that has been created using the Migrator Component.

Warning: The Migrator Component clearly cannot compensate (add) data to any new fields that have been added by the Joomla! 1.5 development (it's good but not magical) therefore it is recommended that you check all migrated data and complete any missing fields that require such action. The most prevalent of these will be the *Alias* field of Sections, Categories, and Articles.

I have already uploaded....:

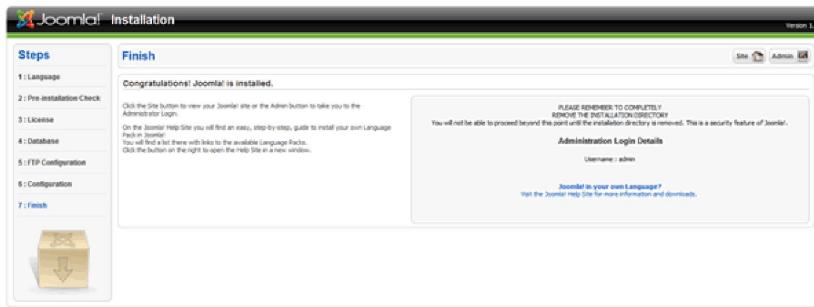
Select this check box if you find that the SQL file is too big to handle (memory and time limit errors) and upload the file in the `joomla_root/installation/sql/migration/` called `migrate.sql` (no compression allowed).

This script is a Joomla! 1.0 migration script:

Check this box if (and only if) you are migrating data from an earlier Joomla! 1.0 Web installation, having used the `com_migrator` Component. This will enable the built in automatic process to complete the transformation of the data to a compatible format with the Joomla! 1.5 framework.

Once you have completed the details on this page select the **Next** button to proceed to the final step.

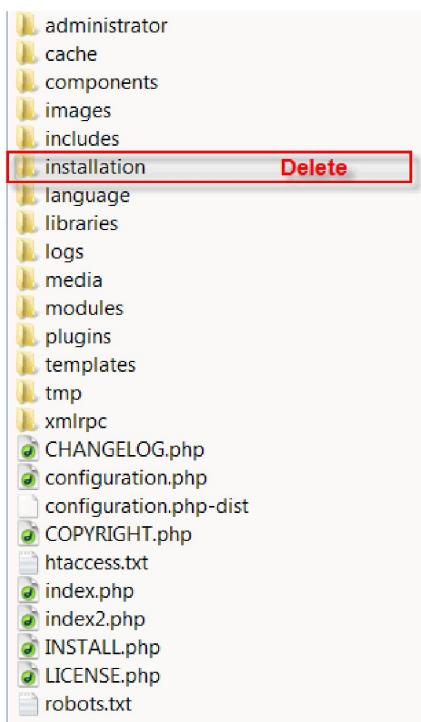
Step 7 - Finish



The Finish page of the installation process

Well, if you have successfully got to this page, then you have passed the first test. Congratulations!

Before proceeding to view the results of your efforts you need to open the root directory of your Joomla! installation and delete the Installation Directory (highlighted in the following image)



. Directory & File listing highlighting installation file to be deleted

Joomla! has been configured that until this directory is removed you will not be able to proceed beyond this point and therefore complete the installation.

Warning! An administrative error in the preparation of the Joomla! V1.5 RC2 and RC3 releases meant that this safety measure was disabled and therefore anyone using this release is able to complete the installation without deleting the directory. We apologise for this oversight and strongly recommend that you still remove the directory for the security of your Web site.

Once you have deleted the installation directory you can either select the Site or the Admin buttons. The former will open the Site Front-end view of your new Joomla! Web site and the latter will take you to the Administrator Back-end login screen:

The screenshot shows the Joomla! Administration Login page. At the top, it says "Joomla! localhost". Below that is the title "Joomla! Administration Login". A message on the left reads: "Use a valid username and password to gain access to the Administrator Back-end." A link "Return to site Home Page" is also present. In the center is a large graphic of a padlock. To the right is a login form with fields for "Username" (containing "admin"), "Password" (redacted), and "Language" (set to "Default"). A "Login" button with a green arrow icon is at the bottom right of the form.

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The Administrator Login Screen

Enter the username **admin** and the password you entered in **Step 6** of the installation process, before selecting the **Login** button.

You will then enter the Administrator Back-end:

The screenshot shows the Joomla! Administrator Back-end Control Panel. The top navigation bar includes "Site", "Menus", "Content", "Components", "Extensions", "Tools", and "Help". On the far right, there are links for "Preview", "Logout", and a user icon. The main area features a grid of icons for managing content like articles, sections, and media. To the right, a sidebar displays "Logged in Users" (1 admin, Super Administrator, Client administrator, Last Activity: 0:0 hours ago) and links for "Popular", "Recent added Articles", and "Menu Stats".

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The Administrator Back-end – Control Panel

...and that is it! You are now ready to Joomla!. Enjoy your experience and we hope you will be able to develop your Web site to its full potential for the purpose you desire.

Good Luck!

Manual Installation

In certain circumstances there might be a problem with using the standard Browser Installation method described, but all is not lost. It is possible to install Joomla! in a more complex, but never-the-less straightforward process provided it is completed in sequence.

Step 1 – Create and edit the configuration file

Open the local directory where you uncompressed the Joomla! Core distribution directories and files and copy the file `configuration.php-dist`.

Rename the copied file to `configuration.php`, and open it in your code editor.

Edit the following fields in particular, prior to saving the file in the `joomla_root/` directory of the installation. The remaining fields can be edited through the Global Configuration screen of the **Control Panel->Site** Menus. See the image on the next page for a highlighted reference to these particular fields.

```
var $sitename = 'your Web site name';
var $dbtype = 'mysql';
var $host = 'localhost';
var $user = 'your database username';
var $password = 'your database password';
var $db = 'database name';
var $dbprefix = 'jos_'; // This is the default database table prefix. Change this to whatever you change the MySQL table prefix to in Step 2.
var $secret = 'FBVtggIk5IAzEU9H'; //Change this to a random mixture of upper and lower alphanumeric characters. This is an important security feature and should not be neglected.
```

Note: It is not essential to enter the FTP data at this point as the information can be added within the Global Configuration screen once installation is completed.

```
var $ftp_host = '127.0.0.1'; //This is the default localhost address reference. Your Web host may have set this differently.

var $ftp_port = '21'; // Port 21 is the default FTP port on most operating systems, but may have been configured differently by your host provider.

var $ftp_user = 'your ftp username';
var $ftp_pass = 'your ftp password';
var $ftp_root = 'the absolute path of the directory that the ftp client should open within';
$ftp_enable = '1'; Set to '1' to enable the FTP layer facility.

var $tmp_path = '/tmp'; //The absolute path to the tmp directory within the root directory of your Joomla! installation. This should not be confused with the same named directory of your Web server.

var $log_path = '/var/logs'; //The absolute path to your Web server log directory.

var $mailfrom = 'your e-mail address';
var $fromname = 'your Web site name for example';
```

For further detail and a highlighted illustration of the `configuration.php` as it needs to be entered please see the next page.

```

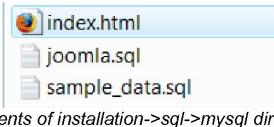
1 <?php
2 /**
3 * $version      Sidi configuration.php-dist 8803 2007-09-09 17:41:19Z jinx $
4 * $package      Joomla
5 * $copyright   Copyright (c) 2005 - 2006 Open Source Matters. All rights reserved.
6 * $license      GNU/GPL, see LICENSE.php
7 * Joomla! is free software and parts of it may contain or be derived from the
8 * GNU General Public License or other free or open source software licenses.
9 * See COPYRIGHT.php for copyright notices and details.
10 */
11
12 * THIS SHOULD ONLY BE USED AS A LAST RESORT WHEN THE WEB INSTALLER FAILS
13 *
14 * If you are installing Joomla manually i.e. not using the web installer
15 * then rename this file to configuration.php e.g.
16 *
17 * UNIX -> my configuration.php-dist configuration.php
18 * Windows -> rename configuration.php-dist configuration.php
19 *
20 * Now edit this file and configure the parameters for your site and
21 * database.
22 */
23 class JConfig {
24     /**
25     * -----
26     * Site configuration section
27     * -----
28     */
29     /* Site Settings */
30     var $offline = '0';
31     var $offline_message = 'This site is down for maintenance.<br /> Please check back again soon.';
32     var $sitename = 'Joomla!';
33     var $sitename = 'tinyname';
34     var $list_limit = '20';
35     var $legacy = '0';
36
37     /**
38     * -----
39     * Database configuration section
40     * -----
41     */
42     /* Database Settings */
43     var $dbtype = 'mysql';
44     var $host = 'localhost';
45     var $user = '';
46     var $password = '';
47     var $db = '';
48     var $dbprefix = 'jos_';
49
50     /* Server Settings */
51     var $secret = 'FBVtggIk51AzE9M';
52     var $gzip = '0';
53     var $error_reporting = '-1';
54     var $helpurl = 'http://help.joomla.org/';
55     var $xmlrpc_server = '1';
56     var $ftp_host = '';
57     var $ftp_port = '';
58     var $ftp_user = '';
59     var $ftp_pass = '';
60     var $ftp_root = '';
61     var $ftp_enable = '';
62     var $tmp_path = '/tmp';
63     var $log_path = '/var/log';
64     var $offset = '0';
65
66     /* Session settings */
67     var $lifetime = '15';
68     var $session_handler = 'database';
69
70     /* Mail Settings */
71     var $mailfrom = 'mail';
72     var $fromname = '';
73     var $sendmail = '/usr/sbin/sendmail';
74     var $smtpauth = '0';
75     var $smtpuser = '';
76     var $smtppass = '';
77     var $smtphost = 'localhost';
78
79     /* Cache Settings */
80     var $caching = '0';
81     var $cachetime = '900';
82     var $cache_handler = 'file';
83
84     /* Debug Settings */
85     var $debug = '0';
86     var $debug_db = '0';
87     var $debug_lang = '0';
88
89     /* Meta Settings */
90     var $metadesc = 'Joomla! - the dynamic portal engine and content management system';
91     var $metakey = 'joomla, Joomla';
92     var $metatitle = '1';
93     var $metaauthor = '1';
94
95     /* SEO Settings */
96     var $sef = '0';
97     var $sef_rewrite = '0';
98
99     /* Feed Settings */
100    var $feed_limit = 10;
101 }
102 ?>
103

```

Default configuration.php created from configuration.php-dist

Step 2 – Edit the SQL file

Open the directory **installation->sql->mysql**. You will be presented with the following files:



Contents of installation->sql->mysql directory

Open the file `joomla.sql` in your editor and edit the database table prefix. Use the **Find and Replace** command of your editor and enter `#__` (hash double-underscore) in the Find field and `jos_` in the Replace field and select **Enter**. Save the file ensuring this is done with *UTF-8 No BOM* encoding only. This is extremely important for the operability of the installation. This file will create the table structure of your Joomla! Database.

If you want to add the Sample Data to your database you need to follow the same procedure with the `sample_data.sql` file, again ensuring it is saved with *UTF-8 No BOM* encoding only.

Further Information: The BOM (Byte Order Marker) adds a line of code to the top of a data stream - much like a signature. Joomla! does not require this signature and accordingly you must always ensure that the editor you use does not add it. Windows Notepad for example, adds this code amongst other things and should always be avoided.

Step 3 – Upload the files to the Web server

Upload the Joomla! Core Distribution directories and files as [previously described](#), to the Web root directory or named sub-directory of your Web server, including the newly created `configuration.php` file, using an FTP client program or your Web hosts control panel if provided. If the installation is on your local computer you can simply copy or move the files to the Web server directory.

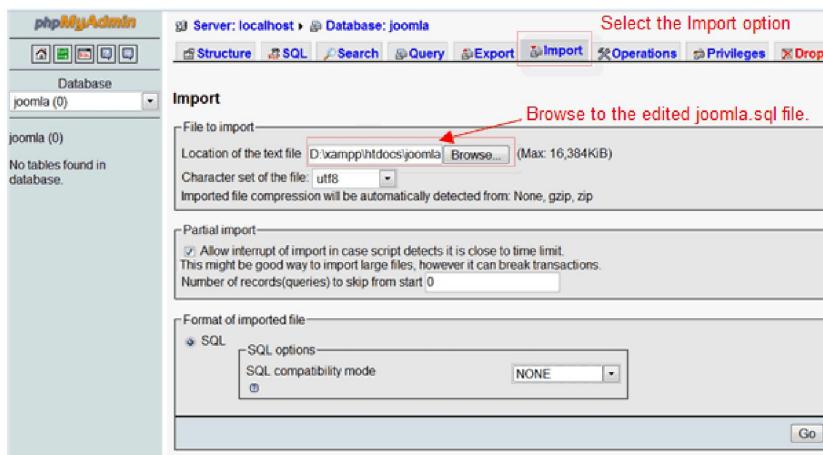
Note: The Installation directory is not needed for a Manual Installation so you can delete it and reduce the upload time.

Step 4 – Create the database and import the joomla.sql data

Access your database server using your preferred MySQL control system, we are going to use PHPMyAdmin and create the database with the name you entered in the `configuration.php` file at [Step 1](#). If you are on a shared hosting, remote server you will probably have been given a specific Database name and do not therefore need to take this action.

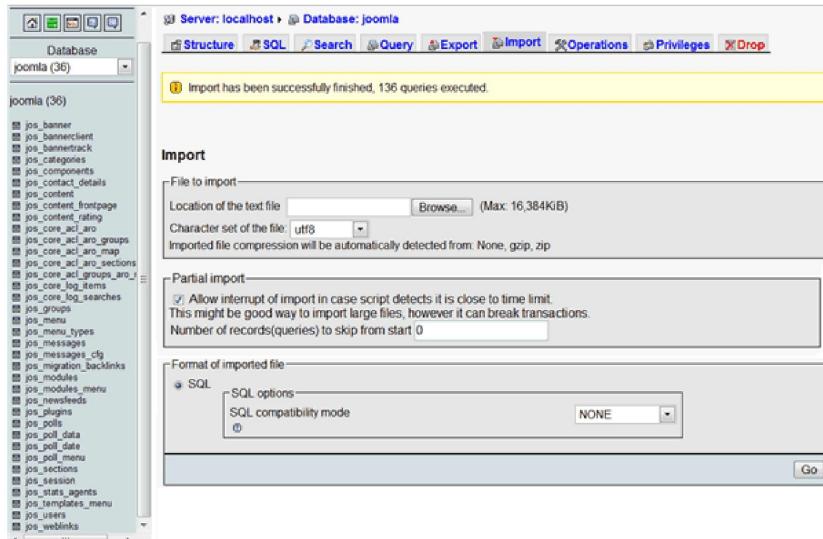
A screenshot of the phpMyAdmin interface. On the left, the sidebar shows "localhost" and a "Create new database" button with "joomla" entered. The main panel displays "phpMyAdmin - 2.10.3" with various MySQL configuration options. At the bottom, there is a link "Create a new database".

Select the Import tab in PHPMyAdmin and then browse to the correct directory from the `joomla_root/installation/sql/mysql` directory and select the edited `joomla.sql` file. Click **Go** and the data is imported into the database to create the table structure of the installation. Replace `joomla_root/installation` with the correct path to the file on your local disk.



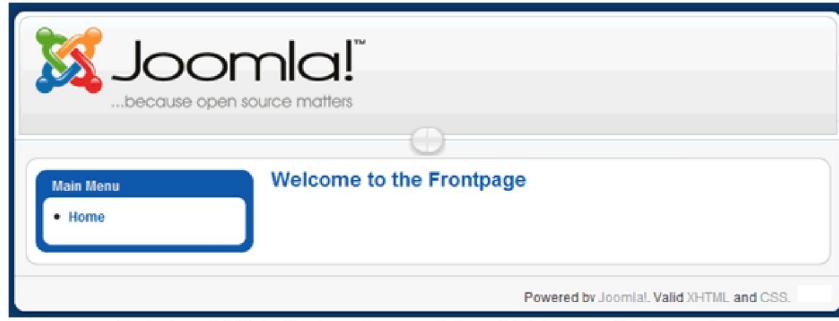
Importing joomla.sql file into prepared database

After the data is successfully installed you will notice that the Tables are now displayed in the left hand pane of the PHPMyAdmin interface.



Successful Import of joomla.sql into the database displaying newly created Tables

Congratulations, you have now successfully manually created your Joomla! Web site. To verify this open your browser and enter the address (in our demonstration examples' case) *localhost/joomla* (replace localhost/joomla with the full URL if the installation is on a remote server) and you will see your new Web site all-be-it it will look pretty bare. You will not be able to access the site to log in and the Administrator Back-end will not be accessible as you do not yet have an admin user.



Basic Joomla! Web site view after completion of database and Table creation

By default Joomla! creates the Main Menu with the associated Home Menu Item, but that is all that is available.

Proceed to the next step to Create an administrator user account [Step 5](#).

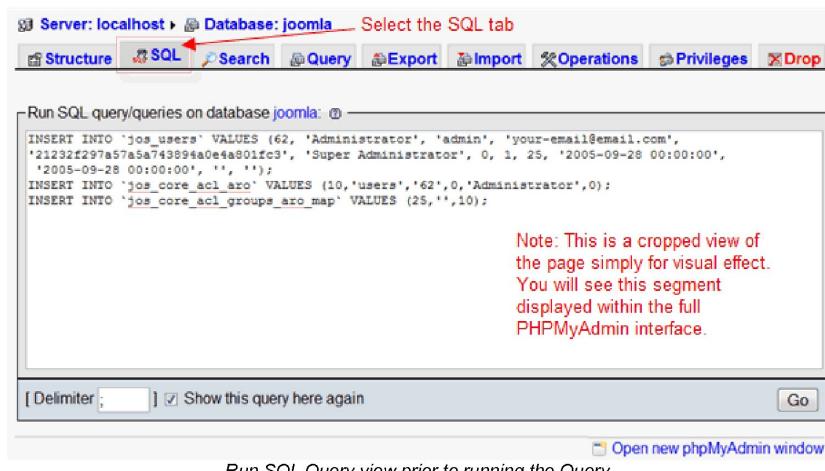
Step 5 – Create the primary administrator user account

In order to create the first administrator user you must enter the following Query into the database using the MySQL administration panel (or command line). This will set the initial username as **admin** and the password as **admin**.

Warning!: You must edit this password immediately you complete the installation particularly on a public/live Web site otherwise your whole Web site will be vulnerable to anyone who guesses the password

```
INSERT INTO `jos_users` VALUES (62, 'Administrator', 'admin', 'your-email@email.com', '21232f297a57a5a743894a0e4a801fc3', 'Super Administrator', 0, 1, 25, '2005-09-28 00:00:00', '2005-09-28 00:00:00', '', '');  
INSERT INTO `jos_core_acl_aros` VALUES (10, 'users', '62', 0, 'Administrator', 0);  
INSERT INTO `jos_core_acl_groups_aros_map` VALUES (25, '', 10);
```

Use the data in the code box above to create an Administrator account by Running an SQL Query within the PHPMyAdmin interface.



Select the SQL tab of PHPMyAdmin and enter the code in the Query window. When ready click the **Go** button. After a few seconds you should receive a confirmation that the query was successful as follows:



MyPHPAdmin Confirmation screen of successful Query execution

If all goes according to plan you will now be able to access the Administrator Back-end of your Joomla! Web site.

Warning!: You must delete the *installation/* directory from your *joomla_root/* directory. This is an essential security measure and must not be overlooked.

Enter **localhost/yoursitename/administrator** into the address box of your browser (replace localhost/yoursitename/ with the full URL if the installation is on a remote server), and the following screen will be displayed:

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The Administrator Login page of your Web site

Enter the username **admin** and the password **admin** and click the Login button.

Your first task must be to edit the User **admin**. Open the User Manager by clicking the Quick Icon on the Control Panel.



Select the User Manager Quick Icon

This will open the User Manager:

#	Name	Username	Logged In	Enabled	Group	E-Mail	Last Visit	ID
1	Administrator	admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Super Administrator	your-email@email.com	2007-09-16 16:35:46	62

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The User Manager access screen

continued...

Click on the Administrator name and edit the details to your own preferences paying particular attention to the [password](#) and the e-mail address.

The screenshot shows the Joomla! User: [Edit] screen. In the User Details section, the Name is set to 'Administrator' and the Username is 'admin'. The E-mail field contains 'your-email@email.com', which is highlighted with a red box. Below it, the New Password and Verify Password fields are empty. The Group dropdown menu is open, showing options like Public Front-end, Registered, Author, Editor, Publisher, Public Back-end, Manager, and Administrator, with 'Administrator' selected. In the Parameters section, there are dropdown menus for Back-end Language, Front-end Language, User Editor, and Help Site, all set to 'Select Language', 'Select Language', 'Select Editor', and 'Local' respectively. The Time Zone is set to '(UTC 00:00) Western Europe Time, London, Lisbon, Casablanca'. The Contact Information section below says 'No Contact details linked to this User. See Components → Contact → Manage Contacts for details.'

The User: [Edit] screen with the e-mail and password fields highlighted

You can select and change any of the other details as you wish to at this stage, but you probably could do with a cup of tea (or something stronger!).

Congratulations, you now have access to your basic, clean installation of Joomla!.

If this is the first time you have used Joomla! and want to see how it all could look with a bit of effort you will want to install the sample data. Proceed to [Step 6 - Install Sample Data](#).

If, however, you are now satisfied with what you have created and wish to develop the site yourself proceed to [Step 7 – Finish](#)

Step 6 – Import the sample_data.sql data (optional)

If you require the sample data to be installed to the database you must complete a further Import process. Select the Import tab in the PHPMyAdmin interface and browse to the renamed installation

The screenshot shows the 'Import' screen in phpMyAdmin. The 'Server: localhost' and 'Database: joomla' are selected. The 'Import' tab is active. The 'File to import' section has 'sample_data.sql' selected from the 'Location of the text file' dropdown. The 'Character set of the file' is set to 'utf8'. The 'Partial import' section has a checked checkbox for 'Allow interrupt of import in case script detects it is close to time limit'. The 'Format of imported file' section has 'SQL' selected, with 'SQL options' and 'SQL compatibility mode' both set to 'NONE'. A 'Go' button is at the bottom right.

Import screen ready for the instruction to proceed with import

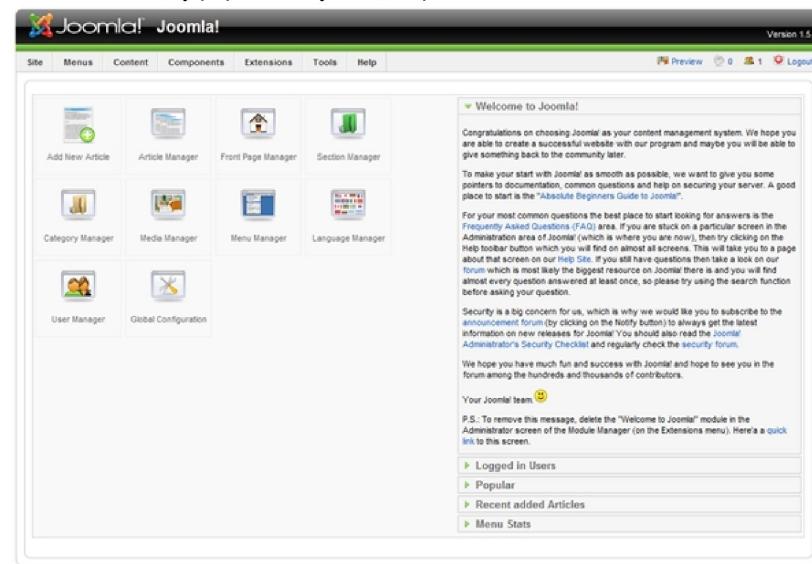
Once the file is selected from the browser click Go.

If all goes according to plan you will receive a confirmation message.

Import has been successfully finished, 210 queries executed.

Confirmation message for successful Import of the sample_data.sql

When you next Login to the Administrator Back-end (or refresh your browser if already there) you will now see the Back-end has been fully populated by the Sample Data.



Administrator Back-end – The Control Panel with Sample Data installed

It is now advisable to scout around the functions of the Control Panel and see what everything can do and getting used to the Joomla! way of doing things.

The Front-end display also looks considerably healthier with the Sample Data installed. Spend some time navigating around and getting a feel for Joomla!

The screenshot shows the Joomla! 1.5 front-end homepage. At the top, there is a banner with the Joomla! logo and the tagline "...because open source matters". Below the banner, a navigation bar includes links for About Joomla!, Features, News, and The Community. A search bar is also present.

Main Menu: Home, Joomla! Overview, Joomla! License, More about Joomla!, FAQ, The News, Web Links, News Feeds.

Latest News:

- Content Layouts
- The Joomla! Community
- Welcome to Joomla!
- Newsflash 4
- Newsflash 5

Welcome to the Frontpage: Welcome to Joomla! (Written by Administrator, Thursday, 12 October 2006 12:00). Joomla! is a free open source framework and content publishing system designed for quick creating highly interactive multi-language Web sites, online communities, media portals, blogs and eCommerce applications. Joomla! provides an easy-to-use graphical user interface that simplifies the management and publishing of large volumes of content including HTML documents, and rich media. Joomla! is used by organisations of all sizes for Public Websites, Intranets and Extranets and is supported by a community of thousands of users.

Key Concepts:

- Joomla! Home
- Joomla! Forums
- Joomla! Help
- OSM Home
- Administrator

Login Form: A form for logging in with fields for Username (admin) and Password, and checkboxes for Remember Me and Login.

We are Volunteers: Written by Administrator, Wednesday, 07 July 2004 11:54. The Joomla! Core Team consists of volunteer developers, creatives, administrators and managers. This well-oiled machine is often copied but never surpassed. Joomla! has some wonderfully talented people taking open source concepts to the forefront of industry standards. Joomla! 1.5 is a major leap forward and represents the most exciting Joomla! release in the history of the project.

Stick to the Code! Written by Administrator, Wednesday, 07 July 2004 12:00. To ensure this code's release, Wilco Jansen resorted to sending rum to joint lead developer Johan Janssen. Johan, who's had a penchant for rum ever since the first Pirate's of the Caribbean movie screened, took the ball mixed it with Cola and here we are with our latest 1.5 release. It looks like pirate talk will figure quite a lot in future Joomla! development? as long as the rum lasts.

What is the FTP layer for? Written by Administrator, Friday, 06 October 2006 21:27. This allows file operations (such installing extensions or updating the main configuration) without having to make all the folders and files writeable. This makes the site admin's life a lot easier and increases security of the site. You can check the write status of relevant folders by going to "Help->System Info" and then in the sub-menu to "Directory Permissions". With FTP even if all directories are read, Joomla! will operate smoothly.

Only one edit window! How do I create "Read more..."? Written by Administrator, Friday, 06 October 2006 21:29. This is now implemented by inserting a tag (button is in the editor area) a dotted line appears in the edited text showing the split location for the "Read more...". A new bot takes care of the rest.

Polls: Joomla! is used for? (Community Sites, Public Brand Sites, eCommerce, Blogs, Intranets, Photo and Media Sites, All of the Above!). Buttons for Vote and Results.

Who's Online: We have 1 guest online.

Advertisement: Joomla! Extensions, Joomla! Shop, Ads by Joomla!

Footer: Copyright © 2007 Open Source Matters. All Rights Reserved. Joomla! is Free Software released under the GNU/GPL License.

Feed Entries: Powered by Joomla! Valid XHTML and CSS.

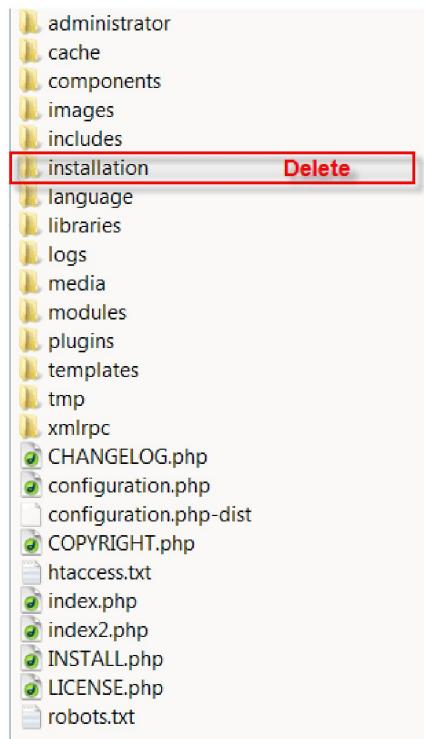
You can Login to the Front-end using the same username and password as you do for the Back-end. A more secure alternative is to have a separate username and password for Front-end access.

To complete the installation proceed to [Step 7 – Finish](#).

Step 7 – Finish

Delete the installation directory

If you did not delete the Installation directory at Step 3 before uploading the core package to the server you need to do so now.



Step 7 – Delete the installation directory

Warning! It is essential that the installation directory is removed as soon as you have completed the installation. Failure to do so will leave a significant security risk for your Web site. As you have already found, unlike the browser installation you are able to access the site without taking this step and the consequences could be catastrophic further down the time line!

Well, that is it all finished. We hope you enjoy using Joomla! and invite you to become an active part of the ever-expanding Community that makes Joomla! so special.

Further Information: If you have been helped by this guide, let others know about it. If you have any comments or suggestions to make on the content or coverage that we provide, please visit the [User Documentation forums](#).

Note: If you would like to assist in the preparation of additional documentation for Joomla! please let us know, again on the forums. We are always on the look-out for new contributors.

Known Issues & Error Handling

Note: We are generally holding off on compiling this section until the final release of Joomla! 1.5 is made. We will add obvious repetitive issues that have a common thread in the forums as they arise, or are identified by the Developers and Quality and Testing Work Groups.

configuration.php file not writable

This is the most common error that Users encounter when first installing Joomla! This does not mean the installation cannot proceed but does mean there will at least be an extra step at the end of the installation process. There are 4 ways of rectifying the situation:

- Do a manual installation
- Create a completely empty file, name it as `configuration.php` and upload it to your `joomla_root/` directory before commencing the installation. Joomla! will then enter the details as the installation proceeds as normal.
- Wait until the end of the installation when at Step 7 the Finished Screen is displayed a list of the variables and settings for the `configuration.php` file will be displayed. These should then be copied and pasted into a new text document and saved as `configuration.php`.
- As with the last suggestion wait until the end and using the information provided in Step7 manually alter the content of the `configuration.php-dist` file (this is simply an example file and not a part of the functioning installation) included with all Joomla! installations. There is clearly a greater chance with this method of making mistakes so greater care should be taken. Once the variables have been correctly edited, change the name of this file and save it as `configuration.php`

Caution: Whenever creating a new file for the Joomla! installation you must avoid using certain text editors such as Notepad, WordPad, Word, for example as they unfortunately have a tendency to add unwanted and unnecessary code that may cause problems later on.

Register Globals is set to on – Shared Hosting Problem

In Step 2 the Pre-installation Check screen Joomla! has identified that your Host has `register_globals` set to `On` or `1` (this is the number `1`)

Before trying any of the following check your Hosts Web site for FAQ's or Help on this issue. If nothing is found, ask the host if they support the use of PHP variables in local `.htaccess` and/or local `php.ini` files.

There are a number of ways of effecting the necessary change if these are supported by your Host provider.

.htaccess

In an `.htaccess` file add **one** of the following lines of code:

```
php_flag register_globals 0 (this is a zero numeral)
```

or enter

```
php_flag register_globals Off
```

The file is placed in the `joomla_root/` directory of your Web server. Alternatively, if appropriate the line can be added to an existing `.htaccess` file already created for SEF/SEO purposes from the `htaccess.txt` file included in every Joomla! installation.

Note: The file is recursive which means it will work for all directories beneath the root directory in which it is placed.

If one version of the code does not work try the other.

If neither work then try the code and file defined in the next section.

php.ini

An alternative is to try to use a *php.ini* file method instead. Again, this is an option that must be available with your Web server Host. Create a new file and save it as *php.ini* and include one of the following lines of code.

```
register_globals = 0      (this is a zero numeral)
```

or enter

```
register_globals = Off
```

or enter

```
register_globals = "Off"
```

Place a copy of the *php.ini* file in both the *joomla_root/* and the *joomla_root/administrator/* directories.

Warning!: If the message is resolved (check the **System Information** screens in the Help Menu) then it is necessary, as this file is not recursive, to place a copy in every directory that has a .php file in it.

If you want to avoid the message during installation add the copies ahead of uploading the files to your Web server. It may be easier and quicker to do this in your HTML/WYSIWYG editor rather than trying to do it on the Web server.

Nightly Build and SVN

Whilst Joomla! 1.5 is still in its development stages (currently RC3) changes are made to the code to correct bugs and to improve stability on an almost hourly basis sometimes. The following methods (other than the "Fresh Installation" do require some considerable patience at times to get working properly and should not be followed unless you are sure you want or need the latest versions available.

Nightly Build

We strongly recommend therefore that as a minimum you keep right up-to-date by using the latest [Nightly Build](#).

Be aware that the Nightly Build is an automated process. It is created at the same time each day. The Nightly Build does not include an automatic updater program, nor can you link directly into the Nightly Build and have it add itself to your installation.

Caution: Before overwriting any of your files or making any related changes you should backup your existing database, directory, and file structure so that you have a rollback point if things go wrong! You must make a copy of your `configuration.php` file and any `.htaccess` or `php.ini` files together with images, media, documents and other files you may have added and reintroduce these where appropriate.

You have a number of choices when using the Nightly Build as to how to use it:

Fresh Installation

You simply download the latest Nightly Build and install it as you would the "standard" Joomla! package from Joomla! Code. If you are working on a local test environment it is a good idea to use this method as you can always refer back to other installations if checking what has changed, and it is ultimately possible to install as many versions as your computer has space for!

Overwrite the existing installation

You download the [Nightly Build](#) and unpack it from the compressed (zip) file, remove the installation directory as it is not required and copy the remaining directories and files over your existing `joomla_root/` directory tree. This method is fine but has a number of drawbacks.

- You will lose any manual changes you have made to the core code,
- You might cause problems with any Extensions such as Components or Templates you have added where these will only function with the original code.
- There may also be issues with regard to any files, images, other media, or documents that have been uploaded and these
- Care needs to be taken when using this method as any files that may have been removed from the core package due to them becoming redundant will be left behind and may well cause problems if left in situ.

This method does allow you to continue to use the database already created as part of the RC3 original installation where appropriate.

Delete the current directory/file tree and upload the new directory/file tree

You delete the existing directory and file structure in `joomla_root/` directory and, having uncompressed the package and deleted the installation directory, you simply upload/copy the directories and files from the Nightly Build into the `joomla_root/` directory. You then return the backup copies of your `configuration.php`, `.htaccess`, `php.ini`, images, media, documents and other files that you created as per the warning above, and you should be good to go. Obviously this is the most disruptive method if you have already installed Extensions or made adjustments to the core code as these will all need to be added back in.

This method also allows you to continue to use the database already created as part of the RC3 original installation where appropriate.

SVN

This is not recommended for novice Users. It is a Development tool and has the complexities to match!

If you are looking to develop Joomla! Extensions, learn the ins-and-outs of precisely how Joomla! is put together, or are working on a particular project that demands the absolute latest version of Joomla!, and for those helping test Joomla! to assist with the development and Quality and Testing process then we recommend using Subversion (SVN).

You will find full details of the setting up of your local repository and access to the SVN downloads on the Developer Site and accordingly we shall not repeat them here.

Help Us to Help You

A few simple facts to start things off:

- Joomla! is not a commercial business
- there are no paid employees
- everyone within the Core Team gives their time freely and for free
- everyone within the various Work Groups give their time freely and for free
- everyone is a VOLUNTEER;
- everyone involved with the development and support of the Project have real lives, jobs, and families outside of Joomla!
- to many Joomla! is far more than a just a hobby, it is a passionate extension of and addition to their normal existence.
- Joomla! is released as Open Source software – this means the code is provided and you can change it, add to it, copy it, develop it further – and none of this will cost you a penny! We do insist that you retain the copyright notices within the code and that you abide by the GNU GPL v2.0 license under which the software is released.
- the essence of Joomla! is the massive Community that has developed in a very short (in relative terms) period of time be a part of it and help it move forward
- There is a major ethos within the Community which most work to and that is "pay it forward"...what this means is that where you may have asked for help in the past and been supported by existing members in the Community, you in turn do the same for others seeking help when you are able to.

If you want to know something check to see whether your question has already been asked and answered in the forums by doing a search before you ask a new question. The current built-in forum search is known to be less than effective and we recommend that you run a Google search for "**joomla**" and then add key words by using "+" sign ahead of a specific word to find within the results. Alternatively use the Advanced Search facility of Google.

If, after running a search or two, changing the words or phrases used, you cannot find the answer start a new topic in the forum.

Use the Forums

Before you post any questions, please:

- 1. Ensure you are in the right Fora. These are for Joomla! 1.5 only.
- 2. Verify you are using the most current version of Joomla! 1.5. Currently this is the RC3 version. However, as Joomla! 1.5 is still in Development for improvements in code and bug fixing there are, and will be, many regular changes to this the current Official Release. Please ensure where possible that you have updated your installation with the latest Nightly Build as a minimum.
- 3. Search for your question. If you do not find it on the first search, search several more times using different search terms. There are currently some limitations with the Forum Search so ideally use Google Search/Advanced Search, and you will get better results.
- 4. There is a good chance your question has been asked and answered before, the more common ones will be found in the the Help Site FAQ Section and the Tips and Hints . Whilst the majority of this currently refers to Joomla! 1.0 many of the server, security, database, and other non-Joomla! specific FAQ's are still applicable to Joomla! 1.5.
- 5. Check the Help Site: <http://help.joomla.org> for the current documentation available.
- 6. Please, do not send a Personal Message to any moderator, or other forum User for support unless you are asked to. Moderators certainly are not obliged to respond to individual queries submitted this way.

- 7. Please make sure your question doesn't fit in elsewhere in a different, specialized board.

Please consider what your query really relates to.

As a brief guide to this:

General Forum:

for all questions relating to Joomla 1.5 that do not relate to any of the other Board Titles. If it is not a question about Joomla! 1.5 specifically or a Extension etc then it does not belong here. Questions relating to the Joomla! Extensions Directory (JED) for example should go in the Sites and Infrastructure child forum specifically for this topic. Reporting "bugs" can be a tricky one some times, to see if it is an easily (relatively speaking) problem post it here, Moderators can always move it to the 1.5 Development Q&T forum once it has been confirmed as a bug or potential bug requiring a detailed look by Developers - who for the most part are too busy to get the chance to visit these "public" forums too often.

Installation Forum:

for all questions/discussions relating to the Installation of the Joomla! core package and associated server and database related question. This does not include the installation of Third Party Extensions (Templates, Components, Modules, Plugins, Languages), as these all have their own boards. Whilst the subject of individual Hosting Companies or issues with PHP, MySQL, Apache, will crop up we cannot guarantee that you will always get the answer you perhaps want and will therefore need to go to those "individual's" own Web sites for specific help.

Migrating & Updating Forum:

for all questions relating to the updating of a current release of Joomla! 1.5 and the Migration of a Joomla! 1.0.x, Mambo 4.x.x, other CMS Web site to Joomla! 1.5 installation. It DOES NOT include updating or migrating individual Third Party Extensions (Templates, Components, Modules, Plugins, Languages) use the Extensions Forum where these all have their own boards

Security Forum:

for all questions relating to the Security of your Joomla! Web site and how to resolve particular issues within your server that have a direct impact on Joomla! You can ask questions about your server or database security, but bear in mind Apache, IIS, PHP, MySQL all have dedicated fora where you are more likely to get specialised assistance.

Administration Forum:

for all questions relating to the Back-end Administrator and the functions of managing your Joomla! Web site. This includes the Menus, Managers, User Management and other similar topics.

Extensions Forum and Child Fora:

for all questions relating to individual Joomla! Plugins, Modules, Components, and enquiries/discussions about Third Party Extensions.

Template Forum and Child Fora:

For all questions relating specifically to the 3 (soon to be 4?) default Joomla! Templates MilkyWay, Beez, and Khepri, as well as general discussions on creating and using Templates in Joomla! and the associated use of CSS & Design, HTML, and Accessibility and Usability issues and questions.

Languages Forum: General discussion on the use and functionality of alternate languages in Joomla! which by default only ships with en-GB language files (apart from the Installation files)

Performance:

Speed issues, caching, database, and other related topics on how to maintain and improve the performance of your Joomla! installation.

Posting a New Topic (or when joining an existing thread with the same issues)

Once you have looked for similar responses in the appropriate Fora and you decide you do need to start a new Topic, please be sure to include:

A Descriptive Title - please do not just say "Help Needed", "Joomla! won't work", "It's Broken"...well you get the picture, many people will in fact just ignore those type of topic!

To start with make a brief note of what the specific issue is that you are experiencing, then:

- 1. What version of Joomla! you are using, including the SVN number or the date of the Nightly build used where appropriate.
- 2. What version of PHP, MySQL, Apache (or other server) you are using?
- 3. What the operating system is. The information for 2 and 3 can be obtained from the Help Menu->System Info->System InfoTab.
- 4. Whether your installation is on a shared or dedicated remote host, or is on your local computer (localhost).
- 5. Detailed description of the steps to reproduce the issue, and an explanation of what you have done so far to try and resolve it.
- 6. Include screen shots of the relevant issue where possible (a picture is better than a thousand words) click the Additional Options link beneath the editor window to add upto four images each no more than 100KB in size (so crop and scale this as much as possible) You can also upload a zipped/text file that may contain more relevant details to deal with the issue.
- 7. Sit back and wait for an answer (hopefully).

Some General Do's and Don'ts

- 1. Do not bump your message as this is against the Forum Rules and the post will be deleted. Do it too often and you could find your account suspended or banned (in worst case scenario). Joomla! is a world wide project and there is the issue of Time Zones as well as people's real lives that they have to deal with first before getting to the forums.
- 2. Do not post the same Topic in multiple forums knownas cross-posting, or
- 3. Do not tack it on the end of someone elses (sort of) related issue - known as hijacking.
- 4. Do, by all means, add to the same thread if it is related to the same issue and you are not adding to a thread that has been untouched for a couple of months or more. It is better to start a new topic in this instance.
- 5. If adding to a thread be more descriptive than just saying "same with me" or "Me too!" or any other such comment. Add to the thread constructively; post your details as above. The more information those answering your question have, the less they have to ask for, and the likelihood is your question will be answered more quickly than them having to ask the same question repeatedly in the thread.

Additional Information to consider including

Ensure you include Third Party Developer Extension version numbers where appropriate.

- 1. If you have a template question or a queastion related to the core code, please reference the problematic section in *code* tags.
- 2. If your site is displaying any errors please copy and paste them, and note any recent changes you have made to your Joomla! install.
- 3. A URL to your Website so other users can view your problem--and detailed instructions to duplicate the issue.(Do not post your passwords/username on the Forums!)
- 4. Any relevant information that you think might be of assistance to others trying to answer your questions.

Successful Ending

Once your question has been answered:

- 1. Please amend your first post - the topic starter - by clicking Modify in that post and selecting the Solved option from the Message icon: drop down list and then save your post to exit. You will notice a green circle with a tick in it is appended to your Topic Subject. This tells others that the problem has been solved and may well answer other people's queries.
- 2. If you manage to solve your issue yourself, please post a follow up message so that others can learn from the solution. This is a major part of the Joomla! Community spirit.

Please follow the [Forum Rules](#) at all times they are there for a reason.

Further Information

Details will be added in due course to this section. Typically this will comprise links to resources within the Joomla! Sphere of operations, plus external resources of general use.

What to expect whilst Joomla! 1.5 is in development

Joomla! 1.5 has been some time in its development as the Developers - with the assistance of the vast Joomla! Community - strive to make this an even better Content Management System than it already is.

We have already seen it through the Alpha and Beta development stages and are currently within the Release Candidacy stages (at the time of writing we are awaiting RC3).

Alpha Phase

The Alpha Phase is (ironically) where it all starts! It includes the planning, feature consideration, Community input, early development and testing, primary framework development, and essential decisions on the overall structure. The Alpha release is so new it should not even see the public side of the Internet, other than for essential remote testing of features on non-essential testing servers. There is serious risk of corruption of data, security issues, as well as major changes to the framework, API, and database structure.

Beta Phase

The Beta Phase is where the Community - but in particular the developers within the Community - get to start testing the new model. Major changes can still happen and there will be lots and lots (and lots...) of bug testing, tweaking, and corrections going on. The Beta Releases must not be used for Public sites there may well be security issues that need to be overcome and there is a high probability of database changes and some lesser framework changes that could corrupt data. At this stage Third Party Developers are likely to start getting interested in developing their Extensions for the future and language and documentation work generally starts in earnest. Those keen to help or keep right up-to-date can use the [SVN or Nightly Builds](#).

Release Candidacy Phase

The Release Candidacy Phase is where the major changes have all (generally - but not always) been completed and is the first time where the software can be considered safe enough to be used for Public sites. However, there are still risks attached and there will be bug fixing, and some minor changes that will occur. To be sure of having the safest setup it is recommended to keep up-to-date using the [Nightly Builds](#), but there are still occasions where these can cause breaks within a site and need to be used with caution and **always** back-up your data first! Use of the SVN is less predictable for Live Sites at this stage and should very definitely be treated with caution. Keep right up-to-date with issues and bugs that have been found and are being addressed in the [Developer 1.5 Quality and Testing forums](#). You can even contribute to this process as well!

Stable Phase - Full Release

This is the key release stage where the software is deemed ready for Public usage. There will be minor updates, patches, and feature expansion, but these will have been fully tested before release. The patches are more often than not related to security issues that arise or are discovered, with PHP, MySQL, or Apache upgrades. Joomla! will always strive to make sure that you have the most secure use of the software all of the time.

Version Convention

Joomla! release versioning follows a numerical convention comprised of three numbers: Major, Minor and Maintenance. The version is presented in the *major.minor[.maintenance]* format.

Major Release Number (X.1.1)

An increment of the major number generally indicates a major rework or rewrite of the code base.
May be completely incompatible with prior major releases.

Minor Release Number (1.X.1)

An increment of the minor number usually indicates a significant change to functionality or architecture.
Moderate to high level of backward compatibility with previous minor increments.

Maintenance Release Number (1.1.X)

An increment of the maintenance number usually indicates bug fixing within the minor release and possibly small enhancements and limited new features.

Current Development Planning

Joomla! 1.6 is in the earliest stages of the Alpha Phase.

Joomla! 2.0 is also in the earlier stages but represents a significant change to the whole Joomla! concept. You can keep up-to-date on developments on these two areas within the [Joomla! Developer Network](#) and in the [Joomla! Forums](#).



...because open source matters

Joomla! 1.5

Installation Manual

Author: Andy Wallace

Joomla! User Documentation Team

Version 0.5

30 October 2007

Acknowledgements & License

Acknowledgements

I would like to pay tribute to the Developers for their continued efforts in putting together the remarkable Content Management System that is Joomla! 1.5.

Furthermore, the same tribute is to be paid to the many other Work Group members, past and present, who have played their part in getting Joomla! to where it is today.

The tribute also goes out to all the everyday Joomla! Community members who have played their part in testing, reporting issues and, more importantly, workable solutions to the Project.

Finally, I would like to single out a couple of people who have made the work on the User Documentation Team possible for the 1.5 release:

Chad McKissick and Leandro Bergantinos without whom the work would be further behind than it already is!

Amy Stephen for some last minute reading and suggestions.

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Andy Wallace

Feedback

We would appreciate any constructive feedback on this document. Please let us have your [Suggestions, Corrections, or Modifications](#) in the forum. Or send me (humvee) a personal message from the forums.

Documentation the same as the Joomla! Project as a whole is an evolutionary process, so if you have ideas let us know about them. If you would like to contribute in some way then again use the forum or PM me.

Changelog

Version	Date	Details
	30 Oct 2007	Version 0.5
	25 Oct 2007	Added notes to Minimum Requirements
	23 Oct 2007	Added to Obtaining Joomla! advice on Nightly Builds and SVn
	20 Oct 2007	Added to Known Issues
	15 Oct 2007	Added .htaccess & php.ini detail to Error Handling section
	12 Oct 2007	Added further detail to the System requirements table & content
	6 Oct 2007	Added further warning note regarding the Installation Folder deletion process/error in RC3
	5 Oct 2007	Added further caution/warning and notes to Introduction and Installation sections.
	3 Oct 2007	Added further caution note regarding Web Browser Installation Step 2 - Pre-Installation Checks
	1 Oct 2007	Added to Software Requirements Caution regarding Zend Optimizer - thanks Andrew Eddie
0.4	25 Sep 2007	Initial Public Release & PDF base

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Introduction

Well you have made the most important choice so far, by selecting Joomla! 1.5 as your choice of Content Management System (CMS).

Joomla! is currently one of the most popular and effective Open Source projects and has won a number of prestigious awards in its short, but illustrious existence.

Joomla! 1.5 is the second, main incarnation of the Joomla! series of releases. The original Joomla! 1.0 series being a direct derivative of the Mambo CMS which many of the current Joomla! Developers helped create. Joomla! 1.5 is a major step forward from 1.0, with many new features and a far more integrated framework.

This manual seeks to provide you with the necessary information you need in order to safely install the basic core package onto an existing, fully operational, Web server.

We will, by necessity, touch upon the essential needs for setting Joomla! Up, but this manual is not a detailed guide on how to build and configure a Web server or database. You are essentially expected to have these in operation already.

We will take you through:

- the general steps of obtaining Joomla!
- ensuring your Web server meets the minimum requirements needed
- how to deal with both a straight forward and slightly more complex installation of the software
- possible problems that you may encounter along the way and the resolution of many of these
- together with additional resources and information that is available to you

We trust you will enjoy the process and can then look forward to tailoring Joomla! to your own specific requirements.

Installing and using Joomla! is generally straight forward, getting your perfect Web site takes a lot more effort but there is much, as you will discover, that has been done to make the process easier along the way.

There may be a time lapse between the information contained within the Web pages and this downloadable PDF version of the manual. This will be minimalised as much as possible, but the Web pages will always be the most up-to-date.

If you intend migrating content from an existing Joomla! 1.0.x Web site we strongly recommend first running a test installation of Joomla! 1.5 before you proceed with the migration attempt. Always make sure you have backed up your data before running the Migrator Component.

Caution: Please completely read through the Installation Manual before commencing the installation, it may well save you a lot of grief!

Minimum System Requirements

To successfully install and use Joomla! you must have a fully operational Web server (Apache is the optimum), a database (MySQL is the optimum) and the server side scripting language PHP together with specific modules that are activated within PHP for MySQL, XML, and Zlib functionality amongst others.

Note: Joomla! is developed and tested primarily on the Apache Web server versions 1.3.x + and 2.x +. Whilst there is every chance that it will work with other systems, such as Windows IIS, these are not necessarily supported as fully/at all within the technical support community. The same has to be said unfortunately for the database where MySQL is the principle choice but other types of database may work with the necessary configuration but are less well supported at the present time. This is a situation that it is hoped will be turned around with time but for this to happen the community requires people with the appropriate skills to step forward and assist.

The minimum versions of the various constituent parts of these server components that are required are as follows:

Software	Min Version	Recommended	Optimum	Latest Release	Web Site
PHP	4.3.x	4.4.7	5.0.x series	5.2.4	http://php.net
MySQL	3.23.x or above	4.1.22	5.0.x series	5.0.45	http://dev.mysql.com/downloads/mysql/5.0.html
Apache	1.3 or above	1.3.9	2.0.61	2.2.6	http://httpd.apache.org
mod_mysql					
mod_xml					
mod_zlib					

You must ensure that you have the MySQL, XML, and Zlib functionality enabled within your PHP installation. This is controlled within the `php.ini` file.

Caution: Do not use **PHP 4.3.9**, **PHP 4.4.2** or **PHP 5.0.4**; these releases have known bugs that will interfere with the installation of Joomla! There was also an issue with the Zend Optimizer Version 2.5.10 for PHP 4.4.x. You should ask your host to upgrade to a later release as soon as possible where applicable.

Note: There are currently ongoing discussions as to whether there are additional issues with the whole 4.3.x series of releases of PHP and it has been found that the best and most consistent results are achieved with the PHP 5.x series.

Joomla! has been successfully tested on many variants within the main three OS for Windows, Linux, Apple Mac OSX. It may well work on other platforms but this is less well documented.

Joomla! is also regularly used and tested through the main Web browsers available such as IE6 +, Firefox 1.5 +, Safari, and Opera but it may also work with others.

Localhost or Remote Host Installations

A **localhost** is a Web server and associated database that is set up directly on your computer or that may be on a local network either within your home or business environment. You have direct easy access to the machine upon which the software is situated

A **remote host** is one that you access via the internet it may be owned by you or you may rent it from a dedicated hosting company. In this case there are different flavours such as managed, dedicated, virtual, or shared hosting. But in simple terms the computer that houses the software is remote from you. The scope and detailed explanation of each of these flavours is outside of the boundaries of this manual but whichever option you select you must ensure that they meet your expected requirements together with the minimum specifications detailed above.

In respect of the *localhost* option there are a number of ready made packages that put all the necessary software together (excluding Joomla!) in one easily installable package that generally allow you to have your own personal Web server and database without really knowing too much about how they work.

The following are the more readily available, and popular, varieties of these packages and the operating systems for which they are designed.

Warning: With the exception of the LAMP packages, none of the others should be used for *live* Web sites they are only intended for development/localhost servers. The LAMP packages when used in conjunction with the Linux security measures are generally the same for localhost and live site situations.

The AMP elements within the following package names stand for Apache, MySQL, and PHP.

Package Name	Operating System	Web Site	Documents
WAMP	Windows	http://www.wampserver.com/en/	http://www.wampserver.com/wamp5.chm
MAMP	Apple Mac OSX	http://www.mamp.info/en/mamp.html	http://www.mamp.info/en/help.html
LAMP	Linux (and other Unix)	Distribution Dependant	
XAMPP	Multi-platform –Mac Windows, Linux, Solaris,	http://apachefriends.org	http://www.apachefriends.org/en/faq-xampp.html

Most Linux distributions these days come with the requisite components available within their own repositories, or even within the main distribution software download that you get. There will often be different ways of activating the functionality so you would need to check the documentation of your own particular distribution choice. The individual distributions compile the necessary dependencies, links, and changes as a part of the installation process, be it RPM, YUM, or one of the other bespoke installers.

Alternatively, on any OS platform you can download and configure the individual components from the various Web sites listed (as you generally would need to do for a live Web site if your hosting provider did not cater for these) and create your own servers, but these packages do provide an easier, integrated solution.

Most of the packages will also usually contain some form of database administration program as well, for example, [PHPMyAdmin](#) or [MySQLAdmin](#), to enable effective management of the database, if not, you will find it advantageous to install such a program if you intend doing any sort of database editing work.

Caution: The remainder of this Manual assumes that you have a fully functioning Apache, MySQL, and PHP based Web server.

We would strongly recommend testing Joomla! and its functionality on a *localhost* installation in the first instance to get a feel for the software and what it can offer you.

On remote, hosted or dedicated servers the configuration and availability of these applications will depend on the host provider or the operating system that is installed upon the server. It would be a wise move to determine their current versions as well as the host's policy regarding updating the software before signing any contracts. The variation that can occur between providers and OS can be significant and is outside the scope of this brief instruction. If you encounter a problem with your host provider and the use of Joomla! check the forums to see if other users have experienced the particular issue and what their solution was.

Joomla! can be used with alternative Web servers such as Microsoft© Internet Information Service (IIS) as well as alternative database models (database work is very much in its infancy though), but these are not paths we intend exploring in this manual as Joomla! is primarily developed for use on the AMP combinations already stated.

Note: There is less technical community support currently available for server platforms other than AMP.

There are discussions and work under way to expand the platforms upon which Joomla! will operate without significant issue, but this is in its early stages of development. For particular issues, or to see if a combination of programs meet the necessary criteria, check [the forums](#) to see if anyone else has succeeded with a particular task or indeed whether you can contribute to one of the ongoing projects.

Checking the Installation

Once you have completed the necessary installation of your server software it is worth running a quick test to ensure that all the necessary, minimum requirements are met.

Warning!: Remove the `phpinfo.php` file from your Web root as soon as you have the necessary information. Leaving it in situ is a security risk. Your Joomla! installation has a built in version of the same script in the Help Menus for future reference.

You can do this very simply by creating a basic PHP script:

```
<?php  
// Show all information  
phpinfo();  
?>
```

Save this as `phpinfo.php` for example, and save the file to the root of your Web site, then simply enter the address of your Web site into your browser as follows: <http://www.yourdomain.com/phpinfo.php> or <http://localhost/phpinfo.php> and you should receive a detailed summary and state of all the PHP compilation options and extensions (such as the Zlib, XML, and MySQL modules), the PHP version in use, server information and environment (if it is compiled as a module), the PHP environment, Operating System version information, paths, master and local values of configuration options, HTTP headers, and the PHP License. See the next page for a (very) compressed view of the information that this script outputs.

For a full description of all the elements that are output, visit the explanatory page at <http://uk3.php.net/phpinfo>.

Remove the `phpinfo.php` file from your Web root as soon as you have the necessary information. Leaving it in situ is a security risk. Your Joomla! installation has a built in version of the same script in the Help Menus for future reference.

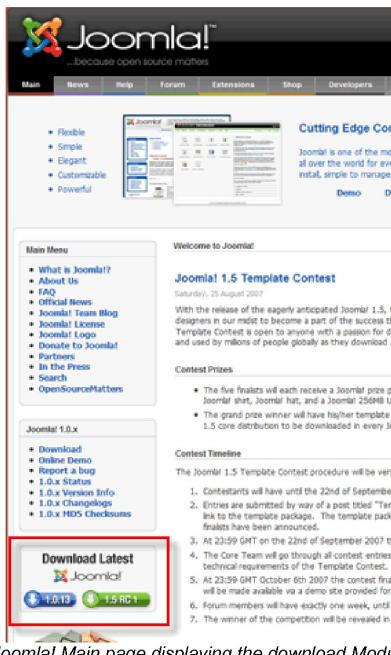
Check out the online [Glossary](#) to assist with definitions of individual words that are new to you. If we have missed any let us know please.

PHP Version 5.2.3		
System Configuration		
Apache Environment		
PHP Credits		
Configuration		
PHP Core		
apache2handler		
Apache Environment		
HTTP Headers Information		
mail		
MySQL		
SQLite		
Standard		
Session		
SPL		
Streams		
tokenizer		
wddx		
xml		
xmlreader		
xmlwriter		
xsl		
Zend Optimizer		
zip		
Additional Modules		
Environment		
PHP Variables		
PHP License		

Compressed view of the output of "phpinfo"

Obtaining Joomla!

Getting hold of Joomla! could not be easier; simply point your mouse to the Main Joomla! page <http://joomla.org> and click the latest release identified in the special Module in the left-hand menu – referenced by the box highlighter. You will note that both the 1.0.x and the latest 1.5.x releases are available but we are only interested in the 1.5.



Joomla! Main page displaying the download Module

Click the 1.5 icon and you will be redirected to the download page for the Joomla! Project within the <http://joomlancode.org> developer repository.

You will be presented with a screen similar to the following:



Joomla! Code project page displaying the download options for the latest Joomla! version.

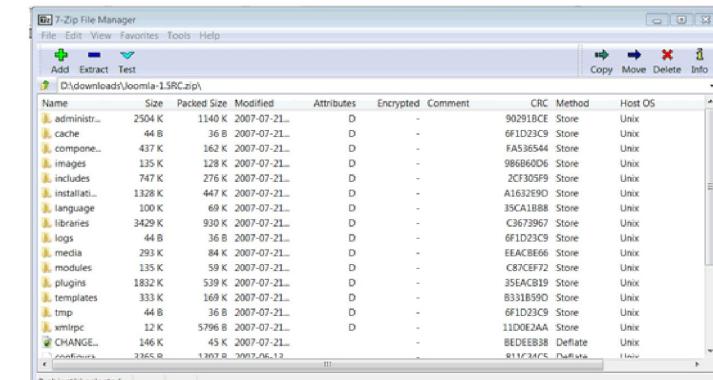
The box highlighter is showing the .zip variant of the three available compression types of download; in addition there are .tar.gz and .tar.bz2 types. Just select the one appropriate for your operating system.

A download pop-up will appear, and you should save the file to an appropriate location on your hard drive.



Joomla! Code screen with download pop-up displayed

Open the file on your local hard drive using the appropriate compression program for the type of file. If you do not already have such a program there are many open source programs available for free, download from different locations such as [Source Forge](#). In this instance we are using [7-ZIP File Manager](#), but they all operate in much the same way (at least on Windows). On Linux systems the same tasks can be achieved from the command line, or once again, through the use of a separate program. Mac OS X has a number of options also including the command line, and [The Unarchiver](#) has a good reputation or the default, built-in utility `BOMArchiveHelper.app`.



7-Zip File Manager displaying the files contained within the Joomla! 1.5 core compressed file.

Uncompress (**Extract**) the package to a suitable location - it is not important where this happens to be so long as you can find the files again when it comes to installing them onto the Web server. The resulting list of directories and files that you will have within your directory will be similar in appearance to the following:

Name	Date modified	Type	Size
administrator	28/08/2007 12:52	File Folder	
cache	21/07/2007 12:01	File Folder	
components	28/08/2007 12:52	File Folder	
images	28/08/2007 12:52	File Folder	
includes	28/08/2007 12:52	File Folder	
installation	28/08/2007 12:52	File Folder	
language	28/08/2007 12:52	File Folder	
libraries	28/08/2007 12:52	File Folder	
logs	21/07/2007 12:01	File Folder	
media	28/08/2007 12:52	File Folder	
modules	28/08/2007 12:52	File Folder	
plugins	28/08/2007 12:52	File Folder	
templates	28/08/2007 12:52	File Folder	
tmp	21/07/2007 12:01	File Folder	
xmlrpc	28/08/2007 12:52	File Folder	
CHANGELOG.php	21/07/2007 10:57	PHP Script	147 KB
configuration.php-dist	13/06/2007 23:01	PHP-DIST file	4 KB
COPYRIGHT.php	19/07/2007 09:18	PHP Script	4 KB
.htaccess.txt	05/06/2007 01:48	Text Document	3 KB
index.php	08/06/2007 21:28	PHP Script	3 KB
index2.php	08/06/2007 22:41	PHP Script	1 KB
INSTALL.php	08/06/2007 22:41	PHP Script	5 KB
LICENSE.php	16/07/2007 09:43	PHP Script	18 KB
robots.txt	08/08/2006 05:51	Text Document	1 KB

The uncompressed Joomla! 1.5 distribution file pack

Nightly Build

Whilst Joomla! 1.5 is still in its development stages (currently RC3) changes are made to the code to correct bugs and to improve stability on an almost hourly basis sometimes.

We have included this segment within the Obtaining Joomla! Section as it is logical to start with the latest available version where possible and practicable, but it would equally be at home in the [Known Issues](#) section at the end of this manual.

Nightly Build

We strongly recommend therefore that as a minimum you keep right up-to-date by using the latest . Nightly Build

Be aware that the Nightly Build is an automated process. It is created at the same time each day. The Nightly Build does not include an automatic updater program, nor can you link directly into the Nightly Build and have it add itself to your installation.

Caution: Before overwriting any of your files or making any related changes you should backup your existing database, directory, and file structure so that you have a roll-back point if things go wrong! You must make a copy of your configuration.php file and any .htaccess or php.ini files together with images, media, documents and other files you may have added and reintroduce these where appropriate.

You have a number of choices when using the Nightly Build as to how to use it:

Fresh Installation

You simply download the latest [Nightly Build](#) and continue with the installation as you would the "standard" Joomla! package from Joomla! Code. If you are working on a local test environment it is a good idea to use this method without deleting previous examples as this can assist any troubleshooting you might need to do and can therefore always refer back to previous installations to see what has changed, and it is ultimately possible to install as many versions as your computer has space for!

SVN

Warning!: This is not recommended for novice and/or normal Users.

It is a code Development tool and has the complexities to match! It should not be used for live sites. SVN gives you the absolute latest download at the precise moment you request it. But that could theoretically be at the point that someone is uploading files for example!

If you are looking to develop Joomla! Extensions, learn the ins-and-outs of precisely how Joomla! is put together, or are working on a particular project that demands the absolute latest version of Joomla!, and for those helping test Joomla! to assist with the development and Quality and Testing process then we recommend using Subversion (SVN).

You will find full details of the setting up of your local repository and access to the SVN downloads on the [Developer Site](#) and accordingly we shall not repeat them here.

Final Preparation

Transferring the files

The first task is to upload the uncompressed collection of files that you created during the last section to your Web server. If you are installing on a localhost - for example the computer you are working on – then it is simply a case of copying and pasting (or moving) the files into the root folder (or a sub-folder) of the Web server. If however you are running the server on a remote host, then this process will involve the use of a FTP (File Transfer Protocol) client program, some Web Browsers have such a tool built in or can be added in, or the control panel of your host provider, if one is available.

Warning!:The root folder is located in different places depending upon the operating system/distribution and Web server package you are using and it might be called *htdocs*, *httpd*, or *www*, but we would be here a long while if we tried to detail every possible combination of OS, distribution, package, and directory structure, together with the settings that could and/or have been made by the Hosting Company, therefore, establishing this is up to you!

In some cases it will be possible – as well as quicker and easier - on remote hosted servers to upload the compressed file via your FTP client and to then unzip or uncompress the file directly into the root directory. This will most often be the case with Linux based Web servers where command line access is available.

Some Hosting Companies incorporate a file management system within their bespoke control panels which will include an FTP program.

Caution: Occasionally files will become corrupted during the transfer and it may be necessary to complete this procedure more than once.

If you get completely stuck then ask at the [forums](#) for assistance **after** first doing a search in case someone else has already asked the same question.

A bit more preparation...

You are now, almost, ready for the final leap-of-faith and the installation of Joomla! but we would recommend gathering together some final bits of information that will be needed to complete the task and it is better to have them to hand from the beginning rather than scrabble around for them whilst proceeding with the installation itself.

MySQL Details

Warning!: Make sure that the database is configured with the UTF-8 MySQL collation and that any changes you make to files is also saved as UTF-8 No BOM encoding.

- the **host name** for your database – if you are installing locally or on a dedicated, remote host – this host name is likely to be *localhost*. If you are installing remotely to a shared hosting Web server and database it is likely that your host provider has their own way of identifying a particular customer's database, and you must make sure you have this information to hand if you are to successfully complete the installation.
 - Your host name:
- the **username** and **password** of the database root user – your access keys to the database. Again if you are installing locally or to a dedicated remote host these are likely to either be the default settings or a name and password that you had previously entered during installation of the database software. The default username is typically *root*, although you can change this for something else if you want - just make sure you keep a note of it. See the next section [Secure Password Thinking](#) for some hints.
 - Your username:
 - Your password:
- the **database name** by which you are identifying the database for this Web site. For a localhost or dedicated remote server you will be able to set this to what you want but on shared or virtual hosted servers these may again be set by the host company.
 - Your database name:

Warning! By default the standard installation of MySQL does not use a password - it is blank. This will not be accepted by Joomla! and it is not a particularly wise security habit to get into in any case. You should ensure that you have set a password up within the `my.ini` file which is the configuration file of MySQL.

FTP account details

Joomla!'s new FTP Layer feature has been introduced to overcome perennial problems that have been experienced by many Linux/Unix host Users in the past where there are file write permission issues with the Users Host Provider particularly on Shared Hosting servers. This can significantly affect the installation of new Extensions or writing to the `configuration.php` file.

Using the FTP layer eliminates the need to make directories and files writable and thus improves overall security of the installation and server. It also makes the site administrators job a lot easier!

Note: The FTP layer is not required on Windows based host/server services as the file write protection is handled differently.

Localhost installations do not require the FTP details to be included.

If you do not want, or are unable, to complete these details at this stage they can be added through the **Control Panel->Site Menus->Global Configuration** screens at a later time.

It will also be advisable if you are intend using the new FTP layer facility of Joomla! to have your FTP details available.

These are:

- **username** – The name you enter to actually access your Joomla! Web site root directory through an FTP client program. For a Web site on a remote hosting server the host may have provided you with a specific ID related to your account. This will be for the whole of your Web server and you should set up a separate FTP account for access to this Joomla! site root directory only.
 - Your FTP username:

- **password** – the password you enter to confirm your identity and therefore access the Joomla! Web site root directly with the FTP client program. This should be different to that which may have been set by your hosting company for the main Web server, where applicable.
 - Your FTP password: [REDACTED]
- **host** – the URL address of the FTP server for access to your Web site. If you are running this on a local machine (non-Windows only) then this address will typically be 127.0.0.1. If you are using a remote host it may be a specific address that the host sets or a URL related to your Web site
 - Your FTP host: [REDACTED]
- **port** – generally most FTP servers utilise port 21 and this is the default setting that Joomla! Assumes
 - Your FTP port: [REDACTED]
- **root** – this is the Joomla! root directory within your Web server that the FTP client is required to open into by default. Obtain the full path detail to this directory.
 - Your FTP root pathway: [REDACTED]

Caution: It is important to note that if you run more than one Web site on your server that the pathway to the root directory will change for each site – the other four settings will not necessarily have, or on shared hosting likely be able, to change.

Once these details are collated you are ready to proceed with the installation.

Secure Password Thinking

Any password you create for Joomla!, MySQL, Apache, or in fact any passwords you ever create should be made as secure as possible.

Typically this would mean:

- using a minimum of 6 characters -the more the better but 8-10 should be an ideal
- a mixture of upper and lower case alphabet characters, numbers, and permitted special characters for example -, _, *, \$, !, %, although the use of these may be governed by the host settings on shared or virtual hosted, remote servers
- do not use easily identifiable passwords for example, birthdays, children's or family names or words that could be easily associated with you
- in fact try not to use real words at all, replace letters with their numeric *equal* so the word ocean could become 0c34n (yes – I know it is a real word and there are only 5 characters but it is just an example) try 0c34n!c – and no do not now use that either
- another way is to think entirely *off-the-wall*. Think of a favourite novel for example, The Hitch-hikers Guide to the Galaxy, and then take say the first and last letter from each word giving a sequence of letters (as indicated by the underscores):

Example 1. **t e h s g e t o t e g y**

this clearly means absolutely nothing but it could still be traced – eventually – by a determined cracker so let us mix it up a bit more:

Example 2. **T 3 h \$ 9 3 t 0 T 3 g Y**

but you can now see that it would be a pretty *illogical* logic that would need to be applied to even come close to cracking that and when the additional security features of the various platforms is then laid over the top of this – we would not want to say it is impossible to crack, but they would take a very long time, and of course you should regularly change your passwords anyway.

- if you keep a written record of your passwords always ensure they too are kept secure and safely out of the way of prying eyes
- despite the temptation, try to avoid using the same password for all your various access requirements, both at home and at work

Note: The spaces are included in the two examples solely for clarity and should not be included and in fact spaces are generally not accepted in passwords

Installation

We are now ready to proceed with the actual installation of the Joomla! program onto the Web server.

There are two ways of installing Joomla! The first – *Web Browser Installation* - can be considered easier than the second - *Manual Installation* - really as a result of the number of steps that are required.

Either will work with a little patience and concentration to detail.

Caution: Do not try to use both methods of installation, or part of one and part of the other for the same installation as this will cause you problems. The only likely exception to this will be the installation of the Sample Data. If you choose not to install this initially during the Web Browser Installation but then decide you want it after all you can add the Sample Data provided no other content has been added since the installation took place even if you have subsequently deleted that content.

In this instance it would be easier and safer to re-install the package from the beginning, having first deleted the directory and database.

Web Browser Installation

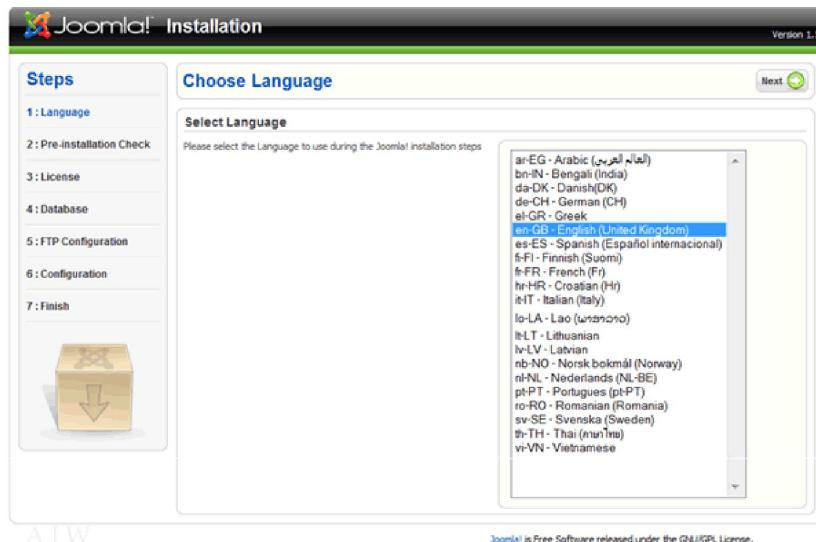
The browser installation method of installing Joomla! is the far straighter forward of the two methods and is what is hoped to be a typical installation. Whilst it is relatively easy it is only a semi-automatic method as you do still have to enter some details during the process. However, the "hard" work is done for you by the installer software itself.

Assuming you have already uploaded the Joomla! core pack of files to your Web root directory, be it on your local machine or a remote host, the next step is to start your Web browser and enter the URL to your Web site. There are a number of options open to you in this process:

- This may simply be <http://localhost/joomla> for a local installation, or <http://www.yourdomain.com> for a remote installation.
- If you have installed Joomla! in a sub directory of your Web root then you will need to add that directory to the end of the address for example <http://localhost/joomla/test> or <http://www.yourdomain.com/joomla>.
- If you have installed Joomla! as a sub-domain on a remote host this might appear as <http://www.joomla.yourdomain.com>.

Step 1 - Language Choice

Whichever of these scenarios fits your particular situation, once you hit the **enter** key you should be presented with the following screen:



The Language Selection page of the Joomla! Installation Process

You should notice that **en-GB – English(United Kingdom)** is selected. This is the default language used for all Joomla! Core development. Simply select your preferred language for the installation process. If your own language does not appear in the list you may consider assisting in the translation of the core for other people in the same position. Visit the [Translation Forums](#) for further details.

The language files included in the core only relate to the installation process itself and do not affect the Front-end or Back-end displays of Joomla! and by default these are only installed in en-GB . This happens simply, as to include all the translations for the core files would make the download an unmanageable beast in size. Individual languages into which Joomla! has been translated are carried on the [Joomla! Code](#) repository site.

Full details of the language packs currently available can be found within the Joomla! Developer Network site in the Menu Module on the left of the page.

Reproduced below for convenience:

Copyright & Licence explained
Accredited Translations / Translation Partners
Translation Policy
Translation Manual

Accredited translations are those that have been approved by Joomla!.

Translation Partners are international groups who have developed Web sites that carry translations of the Help Screens and other official documentation and have entered into an agreement with Joomla!.

If you wish to contribute to the translation effort contact the co-ordinator of an existing project listed on the [Accredited Translations](#) page.

Language packs can be uploaded and installed using the Installation Manager in the **Control Panel->Extensions** Menu. There are separate files for the Site Front-end and the Administrator Back-end.

Once you are happy with your language selection click **Next**.

Step 2 - Pre-installation Check

The next screen is Joomla!'s confirmation of what you hopefully already know if you followed the earlier advice of using `phpinfo()`. The screen shows whether your server meets all the necessary criteria to successfully complete the installation.

The screenshot shows the Joomla! Installation interface at Step 2: Pre-installation Check. The left sidebar lists steps 1 through 7. The main area displays the 'Pre-installation Check' results for Joomla! 1.5.0 Production/Stable [Endegeo] on 1-September-2007 15:00 GMT. It includes a table of PHP requirements and a table of recommended settings.

Requirement	Status
PHP Version >= 4.3.0	Yes
Zip Compression Support	Yes
XML Support	Yes
MySQL Support	Yes
MB Language is Default	Yes
MB String Overload Off	Yes
configuration.php Writable	Yes

Directive	Recommended	Actual
Safe Mode	Off	Off
Display Errors	On	On
File Uploads	On	On
Magic Quotes Runtime	Off	Off
Register Globals	Off	Off
Output Buffering	Off	Off
Session Auto Start	Off	Off

Pre-installation Check Screen

If any of the responses in the first section are set to **No** (with the exception of the configuration.php being writable) you should rectify the situation before attempting to continue with the process as these represent the essential requirements for the installation. Failure to do this may cause your Joomla! Web site to function incorrectly, or require you to carry out additional procedures at the end of the standard browser installation.

The most common error that Users encounter is that the configuration.php file is not *writable*. See the section on [Known Issues & Error Handling](#) for details on how to correct this issue later in the guide.

The second block of settings indicate certain specific settings within the PHP code base configuration. Whilst these are recommended, Joomla! will still install but there will be more to do later on and there is a risk that your Web site would be open to malicious assault if you did not rectify them. These settings may be adjusted at any time. The first column shows the recommended settings and the second those that are identified within your server.

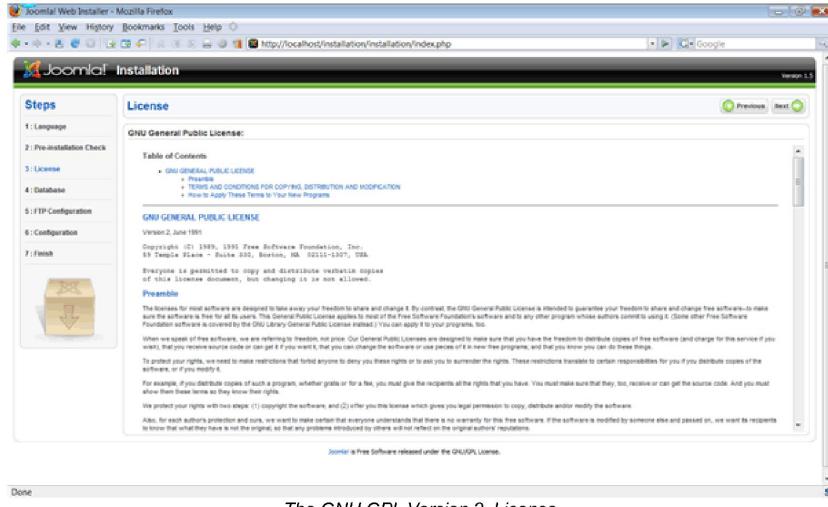
Note: We will detail some more of the common problems and solutions in the [Error Handling](#) section at the back of this manual rather than blur the picture at this stage.

You do not have to exit the installer in order to change a setting. Once you have made a change simply click the **Check Again** button to reassess the situation. It is also possible to return to the Language Choice screen by clicking the **Previous** button.

When everything is set as required, click the **Next** button.

Step 3 - License

There is nothing to actually enter, or change, on the License screen however, it is recommended that you read, understand, and agree to the terms and conditions under which Joomla! is released. Please note that whilst there is no specific agreement option (nor indeed a registration process) within this screen by using Joomla! you are confirming your agreement to the terms and conditions of it.



The GNU GPL Version 2. License

The license under which all Joomla! releases have been made to date is the [GNU GPL v2 license](#). GNU is the organisation responsible for maintaining the license and GPL stands for General Public License. If you have any Joomla! specific questions regarding licensing visit the [Legal Forums](#). Once you have read the license click the **Next** button.

Step 4 - Database Configuration

We now enter the final, and you could say, most important stages of the browser installation. This step establishes the information Joomla! requires in order to communicate with your database.

The screenshot shows the 'Basic Settings' section of the Joomla! Database Configuration screen. It includes fields for Database Type (set to mysql), Host Name (localhost), User Name (root), Password (redacted), and Database Name (install). Below these, a note states: 'Some hosts allow only a certain DB name per account. If this is the case use the table prefix option in the following Advanced Parameters section to distinguish more than one Joomla! site.' A 'Advanced Settings' section is also visible, containing options for Drop Existing Tables (radio button), Backup Old Tables (radio button selected), and a Table Prefix field set to jos_. A note next to the prefix field says: 'Do not use 'bak_,' since this is used for backup tables.'

The Database Configuration Stage Screen

You now require the information you (hopefully) secured earlier in this guide.

Select the database type from the drop down list, which includes **mysql** and **mysqli** by default. Typically you will select **mysql** for your database choice. There may be subsequent changes that require the use of **mysqli** but such speculation is outside the scope of this document.

Further Information: If you would like to read more about the difference between the two types visit <http://dev.mysql.com/downloads/connector/php/> where you will find some basic details.

Thereafter, enter the **Host Name**, **User Name**, **Password**, and **Database Name** for your database.

The Additional Settings fields allow for further definition of your database. If, for example, you have had a previous, but no longer required, database of the same name as you have entered in the field above, you have the options to either drop (delete) the tables within the existing database or create full backups of the tables and therefore retain the information just in case you need to step back from the current installation utilising this backup.

You can also change the Table Prefix that Joomla! will use for all the tables in your database. You may want this facility if you are running more than one Joomla! Web site from within the same database.

Warning!: Never use the prefix *bak_* as this is used by Joomla! specifically for back-ups of tables within the database.

Always ensure the inclusion of the single underscore character following the prefix you choose otherwise the prefix will simply "run into" the table name. The default prefix is *jos_*.

Your Database Configuration will now look similar to the following:

The screenshot shows the 'Database Configuration' page with the following settings:

Basic Settings

- Database Type:** mysql (selected)
- Host Name:** localhost
- User Name:** root
- Password:** (redacted)
- Database Name:** install

Advanced Settings

- Drop Existing Tables
- Backup Old Tables *(Any existing backup tables from former Joomla! installations will be replaced)*
- Table Prefix:** jos_ *(Do not use 'bak_' since this is used for backup tables)*

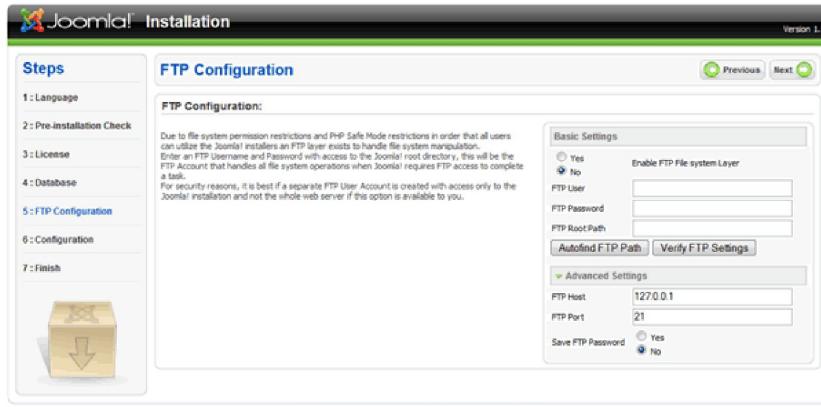
Completed Basic and Advanced Settings of the Database Configuration page

Once all the necessary settings have been entered correctly, click Next.

Note: We will detail some of the common problems and solutions in the Error Handling section at the back of this manual rather than blur the picture at this stage.

Step 5 - FTP Configuration

Due to file system permission and PHP Safe Mode restrictions on certain Linux based server hosts, a facility has been introduced in Joomla! 1.5 that will allow all authorised Users to utilize the various Joomla! Installation & upload processes available within the Control Panel. These include the Media Manager as well as the Installation Manager. The FTP layer exists to handle file system manipulation.



Step 5 – The FTP Configuration Screen

Enter the FTP username and password established during the preparatory section of this guide. This should only have access to the Joomla! root directory, this will be the FTP Account that handles all file system operations when Joomla! requires FTP access to complete a task.

Warning! For security reasons, it is best if a separate FTP User Account is created with access only to the Joomla! installation and not the whole Web server if this option is available to you.

It is not generally necessary to worry about the FTP Configuration page for a localhost installation of Joomla!, although the exception to this might be on a local network.

Note: The settings for the FTP Configuration can be entered, or edited after installation, within the Global Configuration screen in the **Control Panel->Site** menu or through the **Quick Icon** on the Control Panel workspace.

Note: We will detail some of the common problems and solutions in the Error Handling section at the back of this manual rather than blur the picture at this stage.

Caution: It is important to note that if you run more than one Web site on your server that the pathway to the root directory will change for each site – the other four settings will not necessarily have, or on shared hosting likely be able, to change.

Once you have completed the required information, as necessary or, if you do not require the FTP Configuration to be entered, click **Next**.

Step 6 - Main Configuration

The Main Configuration screen allows the setting of three critical elements for the installation of Joomla! to your Web server.

The screenshot shows the 'Main Configuration' step of the Joomla! 1.5 installation process. It has a sidebar with steps 1-7. The main area has sections for 'Site Name' (with placeholder 'Enter the name of your Joomla! site.'), 'Confirm the Admin E-mail and Password' (with fields for 'Your E-mail', 'Admin-Password', and 'Confirm Admin Password'), and 'Load Sample Data, Restore, or Migrate Backed Up Content'. This section contains three options: 'Install Default Sample Data' (selected), 'Install Sample Data' (disabled), and 'Load Migration Script'. Below these are fields for 'Old Table Prefix' (set to 'jos_'), 'Old Site Backup', and 'Migration Script' (with a file input field and a 'Browse...' button). A note at the bottom says 'I have already uploaded the migration script to the server (e.g., via FTP/SCP)'. At the bottom right are 'Upload and Execute' and 'Cancel' buttons. A small note at the bottom left says 'Joomla! is Free Software released under the GNU/GPL license'.

The Main Configuration screen of the Joomla! installation process

There are three sections to the Main Configuration screen; the first of which is the Site Name. Whilst this may appear obvious it does bear pointing out that this is also the name that will be used when site e-mails are issued, or when error or access warning messages are issued from the Front-end of the Web site. Unlike in earlier releases of Joomla!, and its predecessor, the Site Name will not appear in the User's browser title bar. This entry can be edited at a later time in the *Global Configuration->Site* page of the Control Panel.

The second section relates to key information concerning the primary Super Administrator, you!

Enter your e-mail address, or the one that you want all site warnings, messages, and e-mails to be sent from and that incoming contact methods will be directed to. It will appear as the *From* address on all Site outgoing e-mail messages. There are also two text fields into which you should enter and confirm the password that you will (as the primary Super Administrator) use to login to the Web site, in combination with the default username, for the primary Super Administrator, of **admin**.

Caution: It is worth pointing out that at least for public sites the MySQL,FTP, and Login usernames and passwords should not be the same. To do so would add unnecessary security risks.

Note: If you are migrating data from an existing Joomla! 1.0 installation, or uploading a **full** SQL back-up from an existing Joomla! 1.5 installation, you do not need to complete these first two sections as the information will be automatically transferred within the migration script or back-up file.

Caution: An additional security suggestion that you might consider is to change the User `admin` to something less obvious once the installation is completed. This can be done (along with any subsequent changes you wish to make to the password) in the **Control Panel->Site menu->User Manager** screen of the Administrator Back-end.

The third and final section relates to the data that you may, or indeed may not, want to include in the installation process. Essentially you have three choices:

- 1) enter the default sample data that Joomla! provides within the core distribution,
- 2) Migrate the data from an earlier version of Joomla! using the migration tools available, or
- 3) do neither of these and start a completely fresh and empty installation of Joomla!. In addition it is also possible to upload existing data from perhaps a back-up that has been created from another Web site although there is no specific procedure in this section to undertake this.

Looking at these options one at a time:

Installing the Default Sample Data

The sample default data is a collection of Sections, Categories, Articles, Web Links, News Feeds, and various other examples of content that have been written simply to demonstrate some of the functionality of Joomla! (much of the content is also quite informative and useful). The data is contained in an SQL file within the core installation.

By default the *Install Default Sample Data* radio button is selected, but in order to complete the installation of the Sample Data you must also click the adjacent *Install Sample Data* button. Provided all goes well you will notice that this button transforms into a confirmatory message box stating that the **Sample Data Installed Successfully**; you are then ready to complete this section by clicking *Next*.

Warning! It is not possible to simply do an SQL back-up of a 1.0.x version Web site and upload this to a 1.5 version installation as a result of the significant changes that have taken place with regard to the framework of Joomla!.

Installing a Compatible SQL Script File

There may be situations where for example you have your own localised – in language terms – version of the Sample Data, or a back-up of data from an existing Joomla! 1.5 Web site that you wish to restore/install into the new Web site you are creating. You should complete the Old Table Prefix, and Migration Script items below.

Installing a Migration SQL Script File from an earlier Joomla! version 1.0.x installation

There is a separate and detailed guide on migrating content from earlier Joomla! installations available from the [Joomla! Help Site](#) regarding the Migrator Component.

If you are migrating or restoring data select the Load Migration Script radio button. You will notice that this then enables the additional fields for *Old Table Prefix*, *Old Site Encoding*, and *Migration Script*.

Old Table Prefix:

This is the prefix used in the database from which the data is being transferred. For example, it may be **mos_** from a default Joomla! 1.0 installation or, if uploading from a core SQL file **#__**.

Old Site Encoding:

Refers to the Language Encoding used by the donor MySQL database also known as the Collation. Joomla! 1.5 must be encoded with the UTF-8 language. The Old Site Encoding details can be obtained by referring (in PHPMyAdmin) to the *Databases* tab of the main page.

Migration Script:

Browse to the Migration Script SQL data file you want to upload from a Joomla! 1.0.x installation that has been created using the Migrator Component.

Warning: The Migrator Component clearly cannot compensate (add) data to any new fields that have been added by the Joomla! 1.5 development (it's good but not magical) therefore it is recommended that you check all migrated data and complete any missing fields that require such action. The most prevalent of these will be the *Alias* field of Sections, Categories, and Articles.

I have already uploaded....:

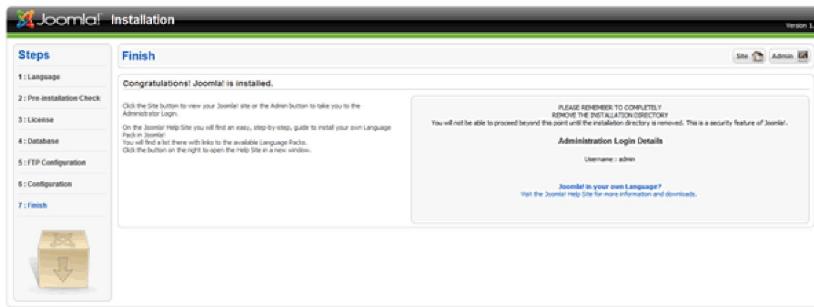
Select this check box if you find that the SQL file is too big to handle (memory and time limit errors) and upload the file in the `joomla_root/installation/sql/migration/` called `migrate.sql` (no compression allowed).

This script is a Joomla! 1.0 migration script:

Check this box if (and only if) you are migrating data from an earlier Joomla! 1.0 Web installation, having used the `com_migrator` Component. This will enable the built in automatic process to complete the transformation of the data to a compatible format with the Joomla! 1.5 framework.

Once you have completed the details on this page select the **Next** button to proceed to the final step.

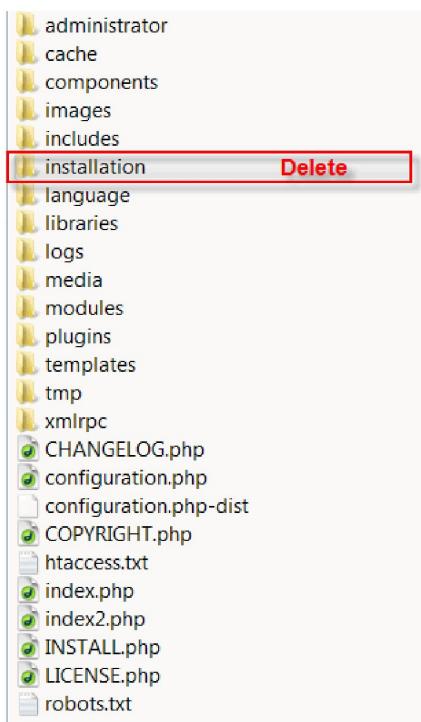
Step 7 - Finish



The Finish page of the installation process

Well, if you have successfully got to this page, then you have passed the first test. Congratulations!

Before proceeding to view the results of your efforts you need to open the root directory of your Joomla! installation and delete the Installation Directory (highlighted in the following image)



. Directory & File listing highlighting installation file to be deleted

Joomla! has been configured that until this directory is removed you will not be able to proceed beyond this point and therefore complete the installation.

Warning! An administrative error in the preparation of the Joomla! V1.5 RC2 and RC3 releases meant that this safety measure was disabled and therefore anyone using this release is able to complete the installation without deleting the directory. We apologise for this oversight and strongly recommend that you still remove the directory for the security of your Web site.

Once you have deleted the installation directory you can either select the Site or the Admin buttons. The former will open the Site Front-end view of your new Joomla! Web site and the latter will take you to the Administrator Back-end login screen:

The screenshot shows the Joomla! Administration Login page. At the top, it says "Joomla! localhost". Below that is the title "Joomla! Administration Login". A message on the left reads: "Use a valid username and password to gain access to the Administrator Back-end." A link "Return to site Home Page" is also present. In the center is a large graphic of a padlock. To the right is a login form with fields for "Username" (containing "admin"), "Password" (redacted), and "Language" (set to "Default"). A "Login" button with a green arrow is at the bottom right of the form.

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The Administrator Login Screen

Enter the username **admin** and the password you entered in **Step 6** of the installation process, before selecting the **Login** button.

You will then enter the Administrator Back-end:

The screenshot shows the Joomla! Administrator Back-end Control Panel. The top navigation bar includes "Site", "Menus", "Content", "Components", "Extensions", "Tools", and "Help". On the far right, there are links for "Preview", "Logout", and a user icon. The main area features a grid of icons for managing content like articles, sections, and media. To the right, a sidebar displays "Logged in Users" (1 admin, Super Administrator, Client administrator, Last Activity: 0:0 hours ago) and links for "Popular", "Recent added Articles", and "Menu Stats".

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The Administrator Back-end – Control Panel

...and that is it! You are now ready to Joomla!. Enjoy your experience and we hope you will be able to develop your Web site to its full potential for the purpose you desire.

Good Luck!

Manual Installation

In certain circumstances there might be a problem with using the standard Browser Installation method described, but all is not lost. It is possible to install Joomla! in a more complex, but never-the-less straightforward process provided it is completed in sequence.

Step 1 – Create and edit the configuration file

Open the local directory where you uncompressed the Joomla! Core distribution directories and files and copy the file `configuration.php-dist`.

Rename the copied file to `configuration.php`, and open it in your code editor.

Edit the following fields in particular, prior to saving the file in the `joomla_root/` directory of the installation. The remaining fields can be edited through the Global Configuration screen of the **Control Panel->Site** Menus. See the image on the next page for a highlighted reference to these particular fields.

```
var $sitename = 'your Web site name';
var $dbtype = 'mysql';
var $host = 'localhost';
var $user = 'your database username';
var $password = 'your database password';
var $db = 'database name';
var $dbprefix = 'jos_'; // This is the default database table prefix. Change this to whatever you change the MySQL table prefix to in Step 2.
var $secret = 'FBVtggIk5IAzEU9H'; //Change this to a random mixture of upper and lower alphanumeric characters. This is an important security feature and should not be neglected.
```

Note: It is not essential to enter the FTP data at this point as the information can be added within the Global Configuration screen once installation is completed.

```
var $ftp_host = '127.0.0.1'; //This is the default localhost address reference. Your Web host may have set this differently.

var $ftp_port = '21'; // Port 21 is the default FTP port on most operating systems, but may have been configured differently by your host provider.

var $ftp_user = 'your ftp username';
var $ftp_pass = 'your ftp password';
var $ftp_root = 'the absolute path of the directory that the ftp client should open within';
$ftp_enable = '1'; Set to '1' to enable the FTP layer facility.

var $tmp_path = '/tmp'; //The absolute path to the tmp directory within the root directory of your Joomla! installation. This should not be confused with the same named directory of your Web server.

var $log_path = '/var/logs'; //The absolute path to your Web server log directory.

var $mailfrom = 'your e-mail address';

var $fromname = 'your Web site name for example';
```

For further detail and a highlighted illustration of the `configuration.php` as it needs to be entered please see the next page.

```

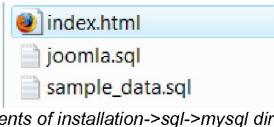
1 <?php
2 /**
3 * $version      Sidi configuration.php-dist 8803 2007-09-09 17:41:19Z jinx $
4 * $package      Joomla
5 * $copyright   Copyright (c) 2005 - 2006 Open Source Matters. All rights reserved.
6 * $license      GNU/GPL, see LICENSE.php
7 * Joomla! is free software and parts of it may contain or be derived from the
8 * GNU General Public License or other free or open source software licenses.
9 * See COPYRIGHT.php for copyright notices and details.
10 */
11
12 * THIS SHOULD ONLY BE USED AS A LAST RESORT WHEN THE WEB INSTALLER FAILS
13 *
14 * If you are installing Joomla manually i.e. not using the web installer
15 * then rename this file to configuration.php e.g.
16 *
17 * UNIX -> my configuration.php-dist configuration.php
18 * Windows -> rename configuration.php-dist configuration.php
19 *
20 * Now edit this file and configure the parameters for your site and
21 * database.
22 */
23 class JConfig {
24     /**
25     * -----
26     * Site configuration section
27     * -----
28     */
29     /* Site Settings */
30     var $offline = '0';
31     var $offline_message = 'This site is down for maintenance.<br /> Please check back again soon.';
32     var $sitename = 'Joomla!';
33     var $sitename = 'tinyname';
34     var $list_limit = '20';
35     var $legacy = '0';
36
37     /**
38     * -----
39     * Database configuration section
40     * -----
41     */
42     /* Database Settings */
43     var $dbtype = 'mysql';
44     var $host = 'localhost';
45     var $user = '';
46     var $password = '';
47     var $db = '';
48     var $dbprefix = 'jos_';
49
50     /* Server Settings */
51     var $secret = 'FBVtggIk51AzE9M';
52     var $gzip = '0';
53     var $error_reporting = '-1';
54     var $helpurl = 'http://help.joomla.org/';
55     var $xmlrpc_server = '1';
56     var $ftp_host = '';
57     var $ftp_port = '';
58     var $ftp_user = '';
59     var $ftp_pass = '';
60     var $ftp_root = '';
61     var $ftp_enable = '';
62     var $tmp_path = '/tmp';
63     var $log_path = '/var/log';
64     var $offset = '0';
65
66     /* Session settings */
67     var $lifetime = '15';
68     var $session_handler = 'database';
69
70     /* Mail Settings */
71     var $mailfrom = 'mail';
72     var $fromname = '';
73     var $sendmail = '/usr/sbin/sendmail';
74     var $smtpauth = '0';
75     var $smtpuser = '';
76     var $smtppass = '';
77     var $smtphost = 'localhost';
78
79     /* Cache Settings */
80     var $caching = '0';
81     var $cacheitime = '900';
82     var $cache_handler = 'file';
83
84     /* Debug Settings */
85     var $debug = '0';
86     var $debug_db = '0';
87     var $debug_lang = '0';
88
89     /* Meta Settings */
90     var $metadesc = 'Joomla! - the dynamic portal engine and content management system';
91     var $metakey = 'joomla, Joomla';
92     var $metatitle = '1';
93     var $metaauthor = '1';
94
95     /* SEO Settings */
96     var $sef = '0';
97     var $sef_rewrite = '0';
98
99     /* Feed Settings */
100    var $feed_limit = 10;
101 }
102 ?>
103

```

Default configuration.php created from configuration.php-dist

Step 2 – Edit the SQL file

Open the directory **installation->sql->mysql**. You will be presented with the following files:



Contents of installation->sql->mysql directory

Open the file `joomla.sql` in your editor and edit the database table prefix. Use the **Find and Replace** command of your editor and enter `#__` (hash double-underscore) in the Find field and `jos_` in the Replace field and select **Enter**. Save the file ensuring this is done with *UTF-8 No BOM* encoding only. This is extremely important for the operability of the installation. This file will create the table structure of your Joomla! Database.

If you want to add the Sample Data to your database you need to follow the same procedure with the `sample_data.sql` file, again ensuring it is saved with *UTF-8 No BOM* encoding only.

Further Information: The BOM (Byte Order Marker) adds a line of code to the top of a data stream - much like a signature. Joomla! does not require this signature and accordingly you must always ensure that the editor you use does not add it. Windows Notepad for example, adds this code amongst other things and should always be avoided.

Step 3 – Upload the files to the Web server

Upload the Joomla! Core Distribution directories and files as [previously described](#), to the Web root directory or named sub-directory of your Web server, including the newly created `configuration.php` file, using an FTP client program or your Web hosts control panel if provided. If the installation is on your local computer you can simply copy or move the files to the Web server directory.

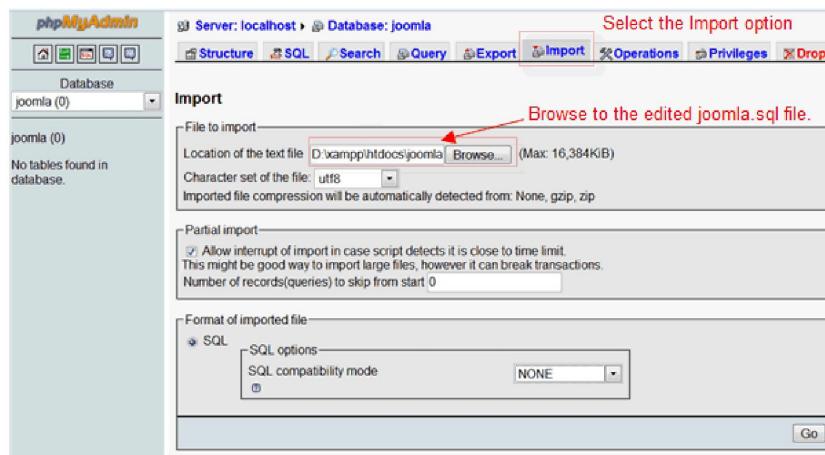
Note: The Installation directory is not needed for a Manual Installation so you can delete it and reduce the upload time.

Step 4 – Create the database and import the joomla.sql data

Access your database server using your preferred MySQL control system, we are going to use PHPMyAdmin and create the database with the name you entered in the `configuration.php` file at [Step 1](#). If you are on a shared hosting, remote server you will probably have been given a specific Database name and do not therefore need to take this action.

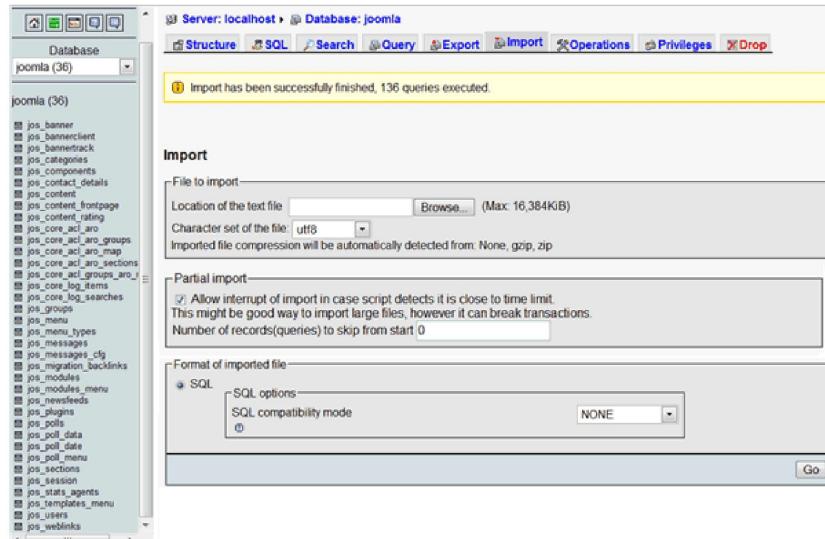
A screenshot of the phpMyAdmin interface. On the left, under the "localhost" section, there is a "Create new database" form with the name "joomla" entered. On the right, the main panel shows the "phpMyAdmin - 2.10.3" configuration options. At the bottom center, there is a link "Create a new database".

Select the Import tab in PHPMyAdmin and then browse to the correct directory from the `joomla_root/installation/sql/mysql` directory and select the edited `joomla.sql` file. Click **Go** and the data is imported into the database to create the table structure of the installation. Replace `joomla_root/installation` with the correct path to the file on your local disk.



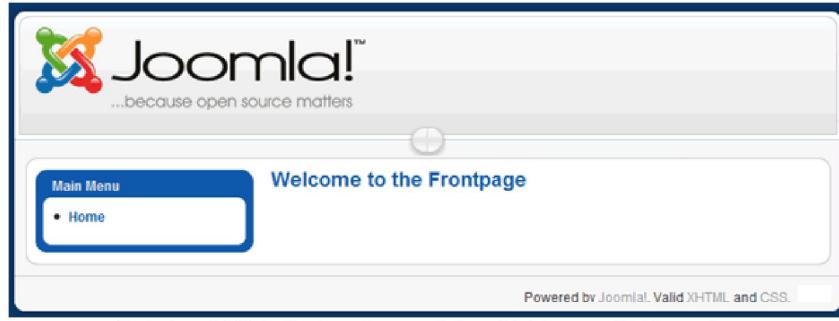
Importing joomla.sql file into prepared database

After the data is successfully installed you will notice that the Tables are now displayed in the left hand pane of the PHPMyAdmin interface.



Successful Import of joomla.sql into the database displaying newly created Tables

Congratulations, you have now successfully manually created your Joomla! Web site. To verify this open your browser and enter the address (in our demonstration examples' case) *localhost/joomla* (replace localhost/joomla with the full URL if the installation is on a remote server) and you will see your new Web site all-be-it it will look pretty bare. You will not be able to access the site to log in and the Administrator Back-end will not be accessible as you do not yet have an admin user.



Basic Joomla! Web site view after completion of database and Table creation

By default Joomla! creates the Main Menu with the associated Home Menu Item, but that is all that is available.

Proceed to the next step to Create an administrator user account [Step 5](#).

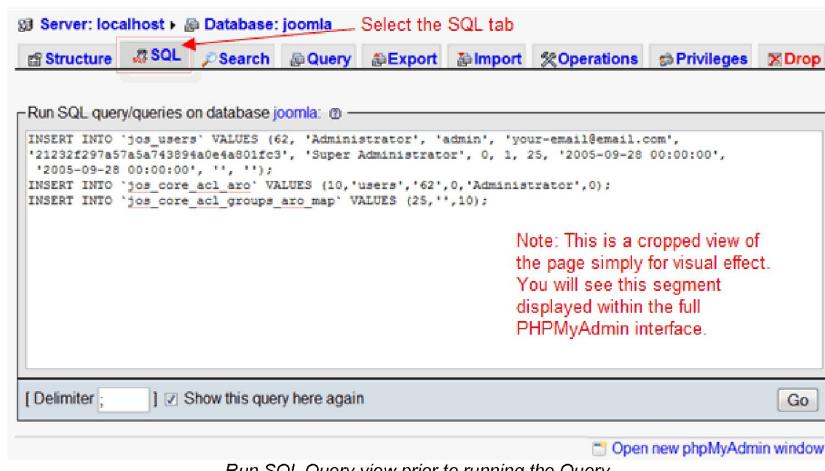
Step 5 – Create the primary administrator user account

In order to create the first administrator user you must enter the following Query into the database using the MySQL administration panel (or command line). This will set the initial username as **admin** and the password as **admin**.

Warning!: You must edit this password immediately you complete the installation particularly on a public/live Web site otherwise your whole Web site will be vulnerable to anyone who guesses the password

```
INSERT INTO `jos_users` VALUES (62, 'Administrator', 'admin', 'your-email@email.com', '21232f297a57a5a743894a0e4a801fc3', 'Super Administrator', 0, 1, 25, '2005-09-28 00:00:00', '2005-09-28 00:00:00', '', '');  
INSERT INTO `jos_core_acl_aros` VALUES (10, 'users', '62', 0, 'Administrator', 0);  
INSERT INTO `jos_core_acl_groups_aros_map` VALUES (25, '', 10);
```

Use the data in the code box above to create an Administrator account by Running an SQL Query within the PHPMyAdmin interface.



Select the SQL tab of PHPMyAdmin and enter the code in the Query window. When ready click the **Go** button. After a few seconds you should receive a confirmation that the query was successful as follows:



MyPHPAdmin Confirmation screen of successful Query execution

If all goes according to plan you will now be able to access the Administrator Back-end of your Joomla! Web site.

Warning!: You must delete the *installation/* directory from your *joomla_root/* directory. This is an essential security measure and must not be overlooked.

Enter **localhost/yoursitename/administrator** into the address box of your browser (replace localhost/yoursitename/ with the full URL if the installation is on a remote server), and the following screen will be displayed:

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The Administrator Login page of your Web site

Enter the username **admin** and the password **admin** and click the Login button.

Your first task must be to edit the User **admin**. Open the User Manager by clicking the Quick Icon on the Control Panel.



Select the User Manager Quick Icon

This will open the User Manager:

#	Name	Username	Logged In	Enabled	Group	E-Mail	Last Visit	ID
1	Administrator	admin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Super Administrator	your-email@email.com	2007-09-16 16:35:46	62

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The User Manager access screen

continued...

Click on the Administrator name and edit the details to your own preferences paying particular attention to the [password](#) and the e-mail address.

The screenshot shows the Joomla! 1.5.0 User: [Edit] screen. In the User Details section, the Name is set to 'Administrator' and the Username is 'admin'. The E-mail field contains 'your-email@email.com', which is highlighted with a red box. Below it, the New Password and Verify Password fields are empty. The Group dropdown menu is open, showing options like Public Front-end, Registered, Author, Editor, Publisher, Public Back-end, Manager, and Administrator, with 'Administrator' selected. In the Parameters section, there are dropdown menus for Back-end Language, Front-end Language, User Editor, and Help Site, all set to 'Select Language'. The Time Zone is set to '(UTC 00:00) Western Europe Time, London, Lisbon, Casablanca'. The Contact Information section below says 'No Contact details linked to this User. See Components → Contact → Manage Contacts for details.'

The User: [Edit] screen with the e-mail and password fields highlighted

You can select and change any of the other details as you wish to at this stage, but you probably could do with a cup of tea (or something stronger!).

Congratulations, you now have access to your basic, clean installation of Joomla!.

If this is the first time you have used Joomla! and want to see how it all could look with a bit of effort you will want to install the sample data. Proceed to [Step 6 - Install Sample Data](#).

If, however, you are now satisfied with what you have created and wish to develop the site yourself proceed to [Step 7 – Finish](#)

Step 6 – Import the sample_data.sql data (optional)

If you require the sample data to be installed to the database you must complete a further Import process. Select the Import tab in the PHPMyAdmin interface and browse to the renamed installation

The screenshot shows the 'Import' screen in phpMyAdmin. The 'Server: localhost' and 'Database: joomla' are selected. The 'Import' tab is active. In the 'File to import' section, the file path is set to '/mysql/sample_data.sql' and the character set is 'utf8'. The 'Format of imported file' section is set to 'SQL' with 'SQL options' and 'SQL compatibility mode' both set to 'NONE'. A 'Go' button is at the bottom right.

Import screen ready for the instruction to proceed with import

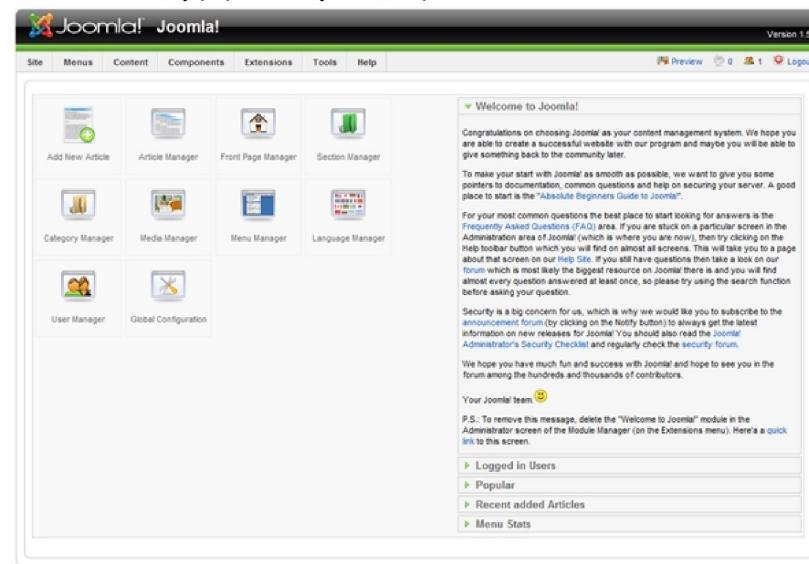
Once the file is selected from the browser click Go.

If all goes according to plan you will receive a confirmation message.

Import has been successfully finished, 210 queries executed.

Confirmation message for successful Import of the sample_data.sql

When you next Login to the Administrator Back-end (or refresh your browser if already there) you will now see the Back-end has been fully populated by the Sample Data.



Administrator Back-end – The Control Panel with Sample Data installed

It is now advisable to scout around the functions of the Control Panel and see what everything can do and getting used to the Joomla! way of doing things.

The Front-end display also looks considerably healthier with the Sample Data installed. Spend some time navigating around and getting a feel for Joomla!

The screenshot shows the Joomla! v1.5 Front-end homepage. At the top, there is a banner with the Joomla! logo and the tagline "...because open source matters". Below the banner, the main menu includes links to Home, Joomla! Overview, Joomla! License, More about Joomla!, FAQ, The News, Web Links, and News Feeds. The latest news section features articles such as "Content Layouts", "Welcome to Joomla!", and "What is the FTP layer for?". The popular section lists "Joomla! Overview", "Extensions", "Joomla! License Guidelines", and "Welcome to Joomla! 1.5!". The polls section shows a poll titled "Joomla! is used for?" with options like Community Sites, Public Brand Sites, eCommerce, Blogs, Intranets, Photo and Media Sites, and All of the Above. The who's online section indicates 1 guest online. An advertisement for Joomla! extensions is present. The footer includes links to Joomla!, Joomla! Code, Joomla! Extensions, and Joomla! Shop, along with copyright information and a feed entry link.

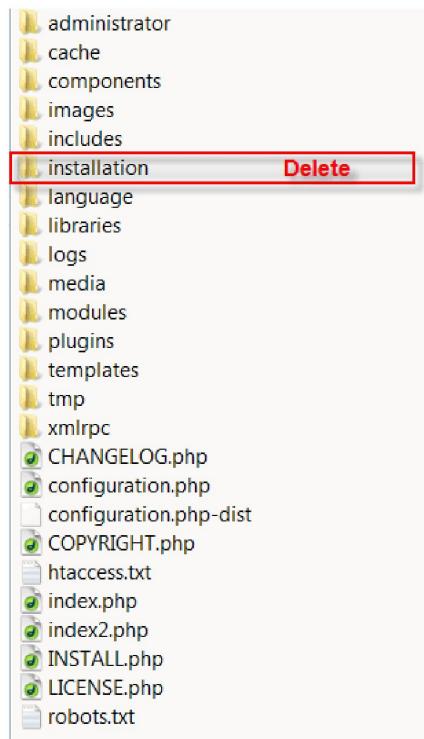
You can Login to the Front-end using the same username and password as you do for the Back-end. A more secure alternative is to have a separate username and password for Front-end access.

To complete the installation proceed to [Step 7 – Finish](#).

Step 7 – Finish

Delete the installation directory

If you did not delete the Installation directory at Step 3 before uploading the core package to the server you need to do so now.



Step 7 – Delete the installation directory

Warning! It is essential that the installation directory is removed as soon as you have completed the installation. Failure to do so will leave a significant security risk for your Web site. As you have already found, unlike the browser installation you are able to access the site without taking this step and the consequences could be catastrophic further down the time line!

Well, that is it all finished. We hope you enjoy using Joomla! and invite you to become an active part of the ever-expanding Community that makes Joomla! so special.

Further Information: If you have been helped by this guide, let others know about it. If you have any comments or suggestions to make on the content or coverage that we provide, please visit the [User Documentation forums](#).

Note: If you would like to assist in the preparation of additional documentation for Joomla! please let us know, again on the forums. We are always on the look-out for new contributors.

Known Issues & Error Handling

Note: We are generally holding off on compiling this section until the final release of Joomla! 1.5 is made. We will add obvious repetitive issues that have a common thread in the forums as they arise, or are identified by the Developers and Quality and Testing Work Groups.

configuration.php file not writable

This is the most common error that Users encounter when first installing Joomla! This does not mean the installation cannot proceed but does mean there will at least be an extra step at the end of the installation process. There are 4 ways of rectifying the situation:

- Do a manual installation
- Create a completely empty file, name it as `configuration.php` and upload it to your `joomla_root/` directory before commencing the installation. Joomla! will then enter the details as the installation proceeds as normal.
- Wait until the end of the installation when at Step 7 the Finished Screen is displayed a list of the variables and settings for the `configuration.php` file will be displayed. These should then be copied and pasted into a new text document and saved as `configuration.php`.
- As with the last suggestion wait until the end and using the information provided in Step7 manually alter the content of the `configuration.php-dist` file (this is simply an example file and not a part of the functioning installation) included with all Joomla! installations. There is clearly a greater chance with this method of making mistakes so greater care should be taken. Once the variables have been correctly edited, change the name of this file and save it as `configuration.php`

Caution: Whenever creating a new file for the Joomla! installation you must avoid using certain text editors such as Notepad, WordPad, Word, for example as they unfortunately have a tendency to add unwanted and unnecessary code that may cause problems later on.

Register Globals is set to on – Shared Hosting Problem

In Step 2 the Pre-installation Check screen Joomla! has identified that your Host has `register_globals` set to `On` or `1` (this is the number `1`)

Before trying any of the following check your Hosts Web site for FAQ's or Help on this issue. If nothing is found, ask the host if they support the use of PHP variables in local `.htaccess` and/or local `php.ini` files.

There are a number of ways of effecting the necessary change if these are supported by your Host provider.

.htaccess

In an `.htaccess` file add **one** of the following lines of code:

```
php_flag register_globals 0 (this is a zero numeral)
```

or enter

```
php_flag register_globals Off
```

The file is placed in the `joomla_root/` directory of your Web server. Alternatively, if appropriate the line can be added to an existing `.htaccess` file already created for SEF/SEO purposes from the `htaccess.txt` file included in every Joomla! installation.

Note: The file is recursive which means it will work for all directories beneath the root directory in which it is placed.

If one version of the code does not work try the other.

If neither work then try the code and file defined in the next section.

php.ini

An alternative is to try to use a *php.ini* file method instead. Again, this is an option that must be available with your Web server Host. Create a new file and save it as *php.ini* and include one of the following lines of code.

```
register_globals = 0      (this is a zero numeral)
```

or enter

```
register_globals = Off
```

or enter

```
register_globals = "Off"
```

Place a copy of the *php.ini* file in both the *joomla_root/* and the *joomla_root/administrator/* directories.

Warning!: If the message is resolved (check the **System Information** screens in the Help Menu) then it is necessary, as this file is not recursive, to place a copy in every directory that has a .php file in it.

If you want to avoid the message during installation add the copies ahead of uploading the files to your Web server. It may be easier and quicker to do this in your HTML/WYSIWYG editor rather than trying to do it on the Web server.

Nightly Build and SVN

Whilst Joomla! 1.5 is still in its development stages (currently RC3) changes are made to the code to correct bugs and to improve stability on an almost hourly basis sometimes. The following methods (other than the "Fresh Installation" do require some considerable patience at times to get working properly and should not be followed unless you are sure you want or need the latest versions available.

Nightly Build

We strongly recommend therefore that as a minimum you keep right up-to-date by using the latest [Nightly Build](#).

Be aware that the Nightly Build is an automated process. It is created at the same time each day. The Nightly Build does not include an automatic updater program, nor can you link directly into the Nightly Build and have it add itself to your installation.

Caution: Before overwriting any of your files or making any related changes you should backup your existing database, directory, and file structure so that you have a rollback point if things go wrong! You must make a copy of your `configuration.php` file and any `.htaccess` or `php.ini` files together with images, media, documents and other files you may have added and reintroduce these where appropriate.

You have a number of choices when using the Nightly Build as to how to use it:

Fresh Installation

You simply download the latest Nightly Build and install it as you would the "standard" Joomla! package from Joomla! Code. If you are working on a local test environment it is a good idea to use this method as you can always refer back to other installations if checking what has changed, and it is ultimately possible to install as many versions as your computer has space for!

Overwrite the existing installation

You download the [Nightly Build](#) and unpack it from the compressed (zip) file, remove the installation directory as it is not required and copy the remaining directories and files over your existing `joomla_root/` directory tree. This method is fine but has a number of drawbacks.

- You will lose any manual changes you have made to the core code,
- You might cause problems with any Extensions such as Components or Templates you have added where these will only function with the original code.
- There may also be issues with regard to any files, images, other media, or documents that have been uploaded and these
- Care needs to be taken when using this method as any files that may have been removed from the core package due to them becoming redundant will be left behind and may well cause problems if left in situ.

This method does allow you to continue to use the database already created as part of the RC3 original installation where appropriate.

Delete the current directory/file tree and upload the new directory/file tree

You delete the existing directory and file structure in `joomla_root/` directory and, having uncompressed the package and deleted the installation directory, you simply upload/copy the directories and files from the Nightly Build into the `joomla_root/` directory. You then return the backup copies of your `configuration.php`, `.htaccess`, `php.ini`, images, media, documents and other files that you created as per the warning above, and you should be good to go. Obviously this is the most disruptive method if you have already installed Extensions or made adjustments to the core code as these will all need to be added back in.

This method also allows you to continue to use the database already created as part of the RC3 original installation where appropriate.

SVN

This is not recommended for novice Users. It is a Development tool and has the complexities to match!

If you are looking to develop Joomla! Extensions, learn the ins-and-outs of precisely how Joomla! is put together, or are working on a particular project that demands the absolute latest version of Joomla!, and for those helping test Joomla! to assist with the development and Quality and Testing process then we recommend using Subversion (SVN).

You will find full details of the setting up of your local repository and access to the SVN downloads on the Developer Site and accordingly we shall not repeat them here.

Help Us to Help You

A few simple facts to start things off:

- Joomla! is not a commercial business
- there are no paid employees
- everyone within the Core Team gives their time freely and for free
- everyone within the various Work Groups give their time freely and for free
- everyone is a VOLUNTEER;
- everyone involved with the development and support of the Project have real lives, jobs, and families outside of Joomla!
- to many Joomla! is far more than a just a hobby, it is a passionate extension of and addition to their normal existence.
- Joomla! is released as Open Source software – this means the code is provided and you can change it, add to it, copy it, develop it further – and none of this will cost you a penny! We do insist that you retain the copyright notices within the code and that you abide by the GNU GPL v2.0 license under which the software is released.
- the essence of Joomla! is the massive Community that has developed in a very short (in relative terms) period of time be a part of it and help it move forward
- There is a major ethos within the Community which most work to and that is "pay it forward"...what this means is that where you may have asked for help in the past and been supported by existing members in the Community, you in turn do the same for others seeking help when you are able to.

If you want to know something check to see whether your question has already been asked and answered in the forums by doing a search before you ask a new question. The current built-in forum search is known to be less than effective and we recommend that you run a Google search for "**joomla**" and then add key words by using "+" sign ahead of a specific word to find within the results. Alternatively use the Advanced Search facility of Google.

If, after running a search or two, changing the words or phrases used, you cannot find the answer start a new topic in the forum.

Use the Forums

Before you post any questions, please:

- 1. Ensure you are in the right Fora. These are for Joomla! 1.5 only.
- 2. Verify you are using the most current version of Joomla! 1.5. Currently this is the RC3 version. However, as Joomla! 1.5 is still in Development for improvements in code and bug fixing there are, and will be, many regular changes to this the current Official Release. Please ensure where possible that you have updated your installation with the latest Nightly Build as a minimum.
- 3. Search for your question. If you do not find it on the first search, search several more times using different search terms. There are currently some limitations with the Forum Search so ideally use Google Search/Advanced Search, and you will get better results.
- 4. There is a good chance your question has been asked and answered before, the more common ones will be found in the the Help Site FAQ Section and the Tips and Hints . Whilst the majority of this currently refers to Joomla! 1.0 many of the server, security, database, and other non-Joomla! specific FAQ's are still applicable to Joomla! 1.5.
- 5. Check the Help Site: <http://help.joomla.org> for the current documentation available.
- 6. Please, do not send a Personal Message to any moderator, or other forum User for support unless you are asked to. Moderators certainly are not obliged to respond to individual queries submitted this way.

- 7. Please make sure your question doesn't fit in elsewhere in a different, specialized board.

Please consider what your query really relates to.

As a brief guide to this:

General Forum:

for all questions relating to Joomla 1.5 that do not relate to any of the other Board Titles. If it is not a question about Joomla! 1.5 specifically or a Extension etc then it does not belong here. Questions relating to the Joomla! Extensions Directory (JED) for example should go in the Sites and Infrastructure child forum specifically for this topic. Reporting "bugs" can be a tricky one some times, to see if it is an easily (relatively speaking) problem post it here, Moderators can always move it to the 1.5 Development Q&T forum once it has been confirmed as a bug or potential bug requiring a detailed look by Developers - who for the most part are too busy to get the chance to visit these "public" forums too often.

Installation Forum:

for all questions/discussions relating to the Installation of the Joomla! core package and associated server and database related question. This does not include the installation of Third Party Extensions (Templates, Components, Modules, Plugins, Languages), as these all have their own boards. Whilst the subject of individual Hosting Companies or issues with PHP, MySQL, Apache, will crop up we cannot guarantee that you will always get the answer you perhaps want and will therefore need to go to those "individual's" own Web sites for specific help.

Migrating & Updating Forum:

for all questions relating to the updating of a current release of Joomla! 1.5 and the Migration of a Joomla! 1.0.x, Mambo 4.x.x, other CMS Web site to Joomla! 1.5 installation. It DOES NOT include updating or migrating individual Third Party Extensions (Templates, Components, Modules, Plugins, Languages) use the Extensions Forum where these all have their own boards

Security Forum:

for all questions relating to the Security of your Joomla! Web site and how to resolve particular issues within your server that have a direct impact on Joomla! You can ask questions about your server or database security, but bear in mind Apache, IIS, PHP, MySQL all have dedicated fora where you are more likely to get specialised assistance.

Administration Forum:

for all questions relating to the Back-end Administrator and the functions of managing your Joomla! Web site. This includes the Menus, Managers, User Management and other similar topics.

Extensions Forum and Child Fora:

for all questions relating to individual Joomla! Plugins, Modules, Components, and enquiries/discussions about Third Party Extensions.

Template Forum and Child Fora:

For all questions relating specifically to the 3 (soon to be 4?) default Joomla! Templates MilkyWay, Beez, and Khepri, as well as general discussions on creating and using Templates in Joomla! and the associated use of CSS & Design, HTML, and Accessibility and Usability issues and questions.

Languages Forum: General discussion on the use and functionality of alternate languages in Joomla! which by default only ships with en-GB language files (apart from the Installation files)

Performance:

Speed issues, caching, database, and other related topics on how to maintain and improve the performance of your Joomla! installation.

Posting a New Topic (or when joining an existing thread with the same issues)

Once you have looked for similar responses in the appropriate Fora and you decide you do need to start a new Topic, please be sure to include:

A Descriptive Title - please do not just say "Help Needed", "Joomla! won't work", "It's Broken"...well you get the picture, many people will in fact just ignore those type of topic!

To start with make a brief note of what the specific issue is that you are experiencing, then:

- 1. What version of Joomla! you are using, including the SVN number or the date of the Nightly build used where appropriate.
- 2. What version of PHP, MySQL, Apache (or other server) you are using?
- 3. What the operating system is. The information for 2 and 3 can be obtained from the Help Menu->System Info->System InfoTab.
- 4. Whether your installation is on a shared or dedicated remote host, or is on your local computer (localhost).
- 5. Detailed description of the steps to reproduce the issue, and an explanation of what you have done so far to try and resolve it.
- 6. Include screen shots of the relevant issue where possible (a picture is better than a thousand words) click the Additional Options link beneath the editor window to add upto four images each no more than 100KB in size (so crop and scale this as much as possible) You can also upload a zipped/text file that may contain more relevant details to deal with the issue.
- 7. Sit back and wait for an answer (hopefully).

Some General Do's and Don'ts

- 1. Do not bump your message as this is against the Forum Rules and the post will be deleted. Do it too often and you could find your account suspended or banned (in worst case scenario). Joomla! is a world wide project and there is the issue of Time Zones as well as people's real lives that they have to deal with first before getting to the forums.
- 2. Do not post the same Topic in multiple forums knownas cross-posting, or
- 3. Do not tack it on the end of someone elses (sort of) related issue - known as hijacking.
- 4. Do, by all means, add to the same thread if it is related to the same issue and you are not adding to a thread that has been untouched for a couple of months or more. It is better to start a new topic in this instance.
- 5. If adding to a thread be more descriptive than just saying "same with me" or "Me too!" or any other such comment. Add to the thread constructively; post your details as above. The more information those answering your question have, the less they have to ask for, and the likelihood is your question will be answered more quickly than them having to ask the same question repeatedly in the thread.

Additional Information to consider including

Ensure you include Third Party Developer Extension version numbers where appropriate.

- 1. If you have a template question or a queastion related to the core code, please reference the problematic section in *code* tags.
- 2. If your site is displaying any errors please copy and paste them, and note any recent changes you have made to your Joomla! install.
- 3. A URL to your Website so other users can view your problem--and detailed instructions to duplicate the issue.(Do not post your passwords/username on the Forums!)
- 4. Any relevant information that you think might be of assistance to others trying to answer your questions.

Successful Ending

Once your question has been answered:

- 1. Please amend your first post - the topic starter - by clicking Modify in that post and selecting the Solved option from the Message icon: drop down list and then save your post to exit. You will notice a green circle with a tick in it is appended to your Topic Subject. This tells others that the problem has been solved and may well answer other people's queries.
- 2. If you manage to solve your issue yourself, please post a follow up message so that others can learn from the solution. This is a major part of the Joomla! Community spirit.

Please follow the [Forum Rules](#) at all times they are there for a reason.

Further Information

Details will be added in due course to this section. Typically this will comprise links to resources within the Joomla! Sphere of operations, plus external resources of general use.

What to expect whilst Joomla! 1.5 is in development

Joomla! 1.5 has been some time in its development as the Developers - with the assistance of the vast Joomla! Community - strive to make this an even better Content Management System than it already is.

We have already seen it through the Alpha and Beta development stages and are currently within the Release Candidacy stages (at the time of writing we are awaiting RC3).

Alpha Phase

The Alpha Phase is (ironically) where it all starts! It includes the planning, feature consideration, Community input, early development and testing, primary framework development, and essential decisions on the overall structure. The Alpha release is so new it should not even see the public side of the Internet, other than for essential remote testing of features on non-essential testing servers. There is serious risk of corruption of data, security issues, as well as major changes to the framework, API, and database structure.

Beta Phase

The Beta Phase is where the Community - but in particular the developers within the Community - get to start testing the new model. Major changes can still happen and there will be lots and lots (and lots...) of bug testing, tweaking, and corrections going on. The Beta Releases must not be used for Public sites there may well be security issues that need to be overcome and there is a high probability of database changes and some lesser framework changes that could corrupt data. At this stage Third Party Developers are likely to start getting interested in developing their Extensions for the future and language and documentation work generally starts in earnest. Those keen to help or keep right up-to-date can use the [SVN or Nightly Builds](#).

Release Candidacy Phase

The Release Candidacy Phase is where the major changes have all (generally - but not always) been completed and is the first time where the software can be considered safe enough to be used for Public sites. However, there are still risks attached and there will be bug fixing, and some minor changes that will occur. To be sure of having the safest setup it is recommended to keep up-to-date using the [Nightly Builds](#), but there are still occasions where these can cause breaks within a site and need to be used with caution and **always** back-up your data first! Use of the SVN is less predictable for Live Sites at this stage and should very definitely be treated with caution. Keep right up-to-date with issues and bugs that have been found and are being addressed in the [Developer 1.5 Quality and Testing forums](#). You can even contribute to this process as well!

Stable Phase - Full Release

This is the key release stage where the software is deemed ready for Public usage. There will be minor updates, patches, and feature expansion, but these will have been fully tested before release. The patches are more often than not related to security issues that arise or are discovered, with PHP, MySQL, or Apache upgrades. Joomla! will always strive to make sure that you have the most secure use of the software all of the time.

Version Convention

Joomla! release versioning follows a numerical convention comprised of three numbers: Major, Minor and Maintenance. The version is presented in the *major.minor[.maintenance]* format.

Major Release Number (X.1.1)

An increment of the major number generally indicates a major rework or rewrite of the code base.
May be completely incompatible with prior major releases.

Minor Release Number (1.X.1)

An increment of the minor number usually indicates a significant change to functionality or architecture.
Moderate to high level of backward compatibility with previous minor increments.

Maintenance Release Number (1.1.X)

An increment of the maintenance number usually indicates bug fixing within the minor release and possibly small enhancements and limited new features.

Current Development Planning

Joomla! 1.6 is in the earliest stages of the Alpha Phase.

Joomla! 2.0 is also in the earlier stages but represents a significant change to the whole Joomla! concept. You can keep up-to-date on developments on these two areas within the [Joomla! Developer Network](#) and in the [Joomla! Forums](#).

To: Open Source Matters, Inc. (brianlaw@yahoo.com)
Subject: TRADEMARK APPLICATION NO. 77224536 - JOOMLA! - N/A
Sent: 10/11/2007 10:58:39 AM
Sent As: ECOM113@USPTO.GOV
Attachments: [Attachment - 1](#)

UNITED STATES PATENT AND TRADEMARK OFFICE

SERIAL NO: 77/224536

MARK: JOOMLA!

77224536

CORRESPONDENT ADDRESS:

BRIAN SPROSS
SPROSS & ASSOCIATES, PLLC
10129 BRIMFIELD DR STE 100
AUSTIN, TX 78726-1878

RESPOND TO THIS ACTION:

<http://www.uspto.gov/teas/eTEASpageD.htm>

GENERAL TRADEMARK INFORMATION:

<http://www.uspto.gov/main/trademarks.htm>

APPLICANT: Open Source Matters, Inc.

**CORRESPONDENT'S REFERENCE/DOCKET
NO:**

N/A

CORRESPONDENT E-MAIL ADDRESS:
brianlaw@yahoo.com

OFFICE ACTION

TO AVOID ABANDONMENT, THE OFFICE MUST RECEIVE A PROPER RESPONSE TO THIS OFFICE ACTION WITHIN 6 MONTHS OF THE ISSUE/MAILING DATE.

ISSUE/MAILING DATE: 10/11/2007

The assigned trademark examining attorney has reviewed the referenced application and has determined the following:

Search Results

The Office records have been searched and no similar registered or pending mark has been found that would bar registration under Trademark Act Section 2(d), 15 U.S.C. §1052(d). TMEP §704.02.

However, please note the following requirements.

Identification of Goods

The identification of goods is indefinite and must be clarified because it includes the open-ended wording “including.” TMEP §§1402.01 and 1402.03(a). The identification must be specific and all-inclusive. Therefore, this wording should be deleted and replaced with “namely.”

Applicant may amend the identification to list only those items that are within the scope of the goods set forth in the application or within the scope of a previously accepted amendment to the identification. 37 C.F.R. §2.71(a); TMEP §§1402.01 and 1402.03(a).

Specifically, the wording “including text, documents, audio, and video” is unacceptable. Applicant should make the identification all-inclusive by changing “including” to “namely.”

The applicant may adopt the following identification of goods, if accurate:

Downloadable software for the creation, integration, publication, management, and maintenance of content, namely, text, documents, audio, and video in International Class 9

For assistance with identifying and classifying goods and/or services in trademark applications, please see the online searchable *Manual of Acceptable Identifications of Goods and Services* at <http://tess2.uspto.gov/etahtml/tidm.html>.

Specimen

The application is incomplete because it does not include the required specimen showing use of the applied-for mark in commerce for the goods and/or services identified in the application. An application based on Section 1(a) of the Trademark Act must include a specimen showing the applied-for mark in use in commerce for each class of goods and/or services. Trademark Act Sections 1(a) and 45, 15 U.S.C. §§1051(a), 1127; 37 C.F.R. §§2.34(a)(1)(iv), 2.56; TMEP §§904, 904.07(a).

Therefore, applicant must submit the following:

- (1) A specimen (i.e., an example of how applicant actually uses its mark in commerce) for each class of goods and/or services based on use in commerce; and
- (2) The following statement, verified with an affidavit or signed declaration under 37 C.F.R. §2.20: “**The specimen was in use in commerce at least as early as the filing date of the application.**” 37 C.F.R. §2.56(a); TMEP §904.05. If submitting a specimen requires an amendment to the dates of use, applicant must also verify the amended dates. 37 C.F.R. §2.71(c).

Examples of specimens for goods are tags, labels, instruction manuals, containers, photographs that show the mark on the goods or packaging, or displays associated with the goods at their point of sale.

If applicant cannot satisfy the above requirements, applicant may amend the Section 1(a) filing basis (use in commerce) to Section 1(b) (intent to use basis), for which no specimen is required. However, should applicant amend the basis to Section 1(b), registration cannot be granted until applicant later amends the

application back to use in commerce by filing an acceptable allegation of use with a proper specimen. 15 U.S.C. §1051(c); 37 C.F.R. §§2.76, 2.88; TMEP Chapter 1100.

In order to amend to Section 1(b), applicant must submit the following statement, verified with an affidavit or signed declaration under 37 C.F.R. §2.20: “**Applicant has had a bona fide intention to use the mark in commerce on or in connection with the goods or services listed in the application as of the filing date of the application.**” 15 U.S.C. §1051(b); 37 C.F.R. §§2.34(a)(2) and 2.35(b)(1); TMEP §806.03(c).

Pending a proper response, registration is refused because applicant has not provided evidence of use in commerce of the applied-for mark. 15 U.S.C. §§1051(a), 1127; 37 C.F.R. §§2.34(a)(1)(iv), 2.56; TMEP §§904, 904.07(a).

Please note the attached sample declaration.

If applicant has questions about its application or needs assistance in responding to this Office action, please telephone the assigned trademark examining attorney directly at the number below.

/ahsenkhan/
Trademark Attorney
Law Office 113
(571) 272 1479

RESPOND TO THIS ACTION: If there are any questions about the Office action, please contact the assigned examining attorney. A response to this Office action should be filed using the form available at <http://www.uspto.gov/teas/eTEASpageD.htm>. If notification of this Office action was received via e-mail, no response using this form may be filed for 72 hours after receipt of the notification. **Do not attempt to respond by e-mail as the USPTO does not accept e-mailed responses.**

If responding by paper mail, please include the following information: the application serial number, the mark, the filing date and the name, title/position, telephone number and e-mail address of the person signing the response. Please use the following address: Commissioner for Trademarks, P.O. Box 1451, Alexandria, VA 22313-1451.

STATUS CHECK: Check the status of the application at least once every six months from the initial filing date using the USPTO Trademark Applications and Registrations Retrieval (TARR) online system at <http://tarr.uspto.gov>. When conducting an online status check, print and maintain a copy of the complete TARR screen. If the status of your application has not changed for more than six months, please contact the assigned examining attorney.

Sample Declaration

The following is a sample declaration under 37 C.F.R. §2.20 with a supporting statement for a substitute specimen:

The undersigned being warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements and the like may jeopardize the validity of the application or document or any registration resulting there from, declares that *the substitute specimen was in use in commerce at least as early as the filing date of the application*; all statements made of his/her own knowledge are true; and all statements made on information and belief are believed to be true.

(Signature)

(Print or Type Name and Position)

(Date)

To: Open Source Matters, Inc. (brianlaw@yahoo.com)
Subject: TRADEMARK APPLICATION NO. 77224536 - JOOMLA! - N/A
Sent: 10/11/2007 10:58:41 AM
Sent As: ECOM113@USPTO.GOV
Attachments:

IMPORTANT NOTICE
USPTO OFFICE ACTION HAS ISSUED ON 10/11/2007 FOR
APPLICATION SERIAL NO. 77224536

Please follow the instructions below to continue the prosecution of your application:

VIEW OFFICE ACTION: Click on this link
http://portal.uspto.gov/external/portal/tow?DDA=Y&serial_number=77224536&doc_type=OOA&ma
(or copy and paste this URL into the address field of your browser), or visit
<http://portal.uspto.gov/external/portal/tow> and enter the application serial number to access the Office action.

PLEASE NOTE: The Office action may not be immediately available but will be viewable within 24 hours of this notification.

RESPONSE MAY BE REQUIRED: You should carefully review the Office action to determine (1) if a response is required; (2) how to respond; and (3) the applicable response time period. Your response deadline will be calculated from 10/11/2007.

Do NOT hit “Reply” to this e-mail notification, or otherwise attempt to e-mail your response, as the USPTO does NOT accept e-mailed responses. Instead, the USPTO recommends that you respond online using the Trademark Electronic Application System response form at <http://www.uspto.gov/teas/eTEASpageD.htm>.

HELP: For *technical* assistance in accessing the Office action, please e-mail TDR@uspto.gov. Please contact the assigned examining attorney with questions about the Office action.

WARNING

- 1. The USPTO will NOT send a separate e-mail with the Office action attached.**

- 2. Failure to file any required response by the applicable deadline will result in the ABANDONMENT of your application.**

*** User:akhan3 ***

#	Total	Dead	Live	Live	Status/	Search
	Marks	Marks	Viewed	Viewed	Search	Duration
			Docs	Images		
01	10	0	10	6	0:03	*joom*[bi,ti] not dead[lid]
02	953	N/A	0	0	0:03	*jum*[bi,ti] not dead[lid]
03	177745	N/A	0	0	0:04	*la*[bi,ti] not dead[lid]
04	74	0	74	55	0:01	2 and 3
05	32	N/A	0	0	0:03	*jume*[bi,ti] not dead[lid]
06	26	0	26	10	0:01	5 not 4

Session started 10/11/2007 10:22:18 AM

Session finished 10/11/2007 10:25:43 AM

Total search duration 0 minutes 15 seconds

Session duration 3 minutes 25 seconds

Defaut NEAR limit=1ADJ limit=1

Sent to TICRS as Serial Number: 77224536

Trademark/Service Mark Application, Principal Register

Serial Number: 77224536
Filing Date: 07/09/2007

The table below presents the data as entered.

Input Field	Entered
SERIAL NUMBER	77224536
MARK INFORMATION	
*MARK	<u>JOOMLA!</u>
STANDARD CHARACTERS	YES
USPTO-GENERATED IMAGE	YES
LITERAL ELEMENT	JOOMLA!
MARK STATEMENT	The mark consists of standard characters, without claim to any particular font, style, size, or color.
APPLICANT INFORMATION	
*OWNER OF MARK	Open Source Matters, Inc.
*STREET	1995 Broadway
INTERNAL ADDRESS	17th Floor
*CITY	New York
*STATE (Required for U.S. applicants)	New York
*COUNTRY	United States
*ZIP/POSTAL CODE (Required for U.S. applicants only)	10016
LEGAL ENTITY INFORMATION	
TYPE	NON-PROFIT CORPORATION
*STATE/COUNTRY WHERE LEGALLY ORGANIZED	New York
GOODS AND/OR SERVICES SECTION	
INTERNATIONAL CLASS	009

DESCRIPTION	Downloadable software for the creation, integration, publication, management, and maintenance of content, including text, documents, audio, and video
FILING BASIS	SECTION 1(a)
FIRST USE ANYWHERE DATE	At least as early as 08/31/2005
FIRST USE IN COMMERCE DATE	At least as early as 08/31/2005
ATTORNEY INFORMATION	
NAME	Brian Sross
FIRM NAME	Sross & Associates, PLLC
STREET	10129 Brimfield Drive
INTERNAL ADDRESS	Suite 100
CITY	Austin
STATE	Texas
COUNTRY	United States
ZIP/POSTAL CODE	78726
PHONE	512-657-9649
EMAIL ADDRESS	brianlaw@yahoo.com
AUTHORIZED TO COMMUNICATE VIA EMAIL	Yes
CORRESPONDENCE INFORMATION	
NAME	Brian Sross
FIRM NAME	Sross & Associates, PLLC
STREET	10129 Brimfield Drive
INTERNAL ADDRESS	Suite 100
CITY	Austin
STATE	Texas
COUNTRY	United States
ZIP/POSTAL CODE	78726
PHONE	512-657-9649
EMAIL ADDRESS	brianlaw@yahoo.com
AUTHORIZED TO COMMUNICATE VIA EMAIL	Yes
FEES INFORMATION	

NUMBER OF CLASSES	1
FEE PER CLASS	325
TOTAL FEE DUE	325

SIGNATURE INFORMATION

SIGNATURE	/Brian Spross/
SIGNATORY'S NAME	Brian Spross
SIGNATORY'S POSITION	Attorney of Record
DATE SIGNED	07/09/2007

FILING INFORMATION SECTION

SUBMIT DATE	Mon Jul 09 12:24:43 EDT 2007
TEAS STAMP	USPTO/BAS-76.205.235.20-2 0070709122443401152-77224 536-370076b8dccbcfba6ff24 b71373be51d21-CC-5527-200 70709112734039235

Trademark/Service Mark Application, Principal Register

Serial Number: 77224536
Filing Date: 07/09/2007

To the Commissioner for Trademarks:

MARK: JOOMLA! (Standard Characters, see [mark](#))

The literal element of the mark consists of JOOMLA!. The mark consists of standard characters, without claim to any particular font, style, size, or color.

The applicant, Open Source Matters, Inc., a NON-PROFIT CORPORATION legally organized under the laws of New York, having an address of 17th Floor, 1995 Broadway, New York, New York, United States, 10016, requests registration of the trademark/service mark identified above in the United States Patent and Trademark Office on the Principal Register established by the Act of July 5, 1946 (15 U.S.C. Section 1051 et seq.), as amended.

International Class 009: Downloadable software for the creation, integration, publication, management, and maintenance of content, including text, documents, audio, and video

Use in Commerce: The applicant is using the mark in commerce, or the applicant's related company or licensee is using the mark in commerce, or the applicant's predecessor in interest used the mark in commerce, on or in connection with the identified goods and/or services. 15 U.S.C. Section 1051(a), as amended.

In International Class 009, the mark was first used at least as early as 08/31/2005, and first used in commerce at least as early as 08/31/2005, and is now in use in such commerce. The applicant is submitting or will submit one specimen for *each class* showing the mark as used in commerce on or in connection with any item in the class of listed goods and/or services.

The applicant hereby appoints Brian Spross of Spross & Associates, PLLC, Suite 100, 10129 Brimfield Drive, Austin, Texas, United States, 78726 to submit this application on behalf of the applicant.

Correspondence Information: Brian Spross
Suite 100
10129 Brimfield Drive
Austin, Texas 78726
512-657-9649(phone)
brianlaw@yahoo.com (authorized)

A fee payment in the amount of \$325 will be submitted with the application, representing payment for 1 class(es).

Declaration

The undersigned, being hereby warned that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. Section 1001, and that such willful false statements, and the like, may jeopardize the validity of the application or any resulting registration, declares that he/she is properly authorized to execute this application on behalf of the applicant; he/she believes the applicant to be the owner of the trademark/service mark sought to be registered, or, if the application is being filed under 15 U.S.C. Section 1051(b), he/she believes applicant to be entitled to use such mark in commerce; to the best of his/her knowledge and belief no other person, firm, corporation, or association has the right to use the mark in commerce, either in the identical form thereof or in such near resemblance thereto as to be likely, when used on or in connection with the goods/services of such other person, to cause confusion, or to cause mistake, or to deceive; and that all statements made of his/her own knowledge are true; and that all statements made on information and belief are believed to be true.

Signature: /Brian Spross/ Date Signed: 07/09/2007

Signatory's Name: Brian Spross

Signatory's Position: Attorney of Record

RAM Sale Number: 5527

RAM Accounting Date: 07/09/2007

Serial Number: 77224536

Internet Transmission Date: Mon Jul 09 12:24:43 EDT 2007

TEAS Stamp: USPTO/BAS-76.205.235.20-2007070912244340

1152-77224536-370076b8dccbcfba6ff24b7137

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JOOMLA!

JOOMLA!