Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/07 16:03

Hi Edwin,

After upgrade from JMS1.1.17 to JMS1.2.5, everything seems OK.

Until I open a site and then save it, then I got this error:

* Unable to create the symbolic link -> .
* Unable to create the symbolic link -> .
* Unable to create the symbolic link -> .
* Unable to create the symbolic link -> .
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* Unable to create the symbolic link -> .
* Unable to create the symbolic link -> .
* Unable to create the symbolic link -> .

Before the upgrade, I had no this error and I did chmod -R 777 to all files.

Any idea what goes wrong?

Thanks,

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by edwin2win - 2009/09/07 16:27

Check also the owner and group of the files and folders.

Maybe the files installed (JMS) has changed of owner and now is not in the same group than the other files and directories.

You can also check that the Symbolic Link are not already present or if they are present, may be they are owned by another user.

As you have identified it, this is effectivelly a permission problem somewhere.

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/08 10:37

Error messages still there.

All folders and files' owner are apache.

All permissions are 777.

I started to suspect the positions of all my slave sites are the source of problem.

Path to slave sites: //home/deployments/slave1, slave2 ...

Path to JMS: //home/joomla/jms

Could that topology be the source of problems?

Pls advise.

Thanks.

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by edwin2win - 2009/09/08 11:05

NO.
I don't think so.
You just have to check the permission of the //home/deployments

Try to create another fresh slave site to compare the permissions.

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/08 13:06

Hi Edwin,

Failed to create a new slave site. Error message is cannot connect to database.
But I think the real course is JMS cannot the symbolic links.

Looking at the deployment site, JMS can create the deployment folder and the folders "cache", "logs", "templates" & "tmp" then nothing ....I guess JMS stopped at the 1st symbolic link.

The persmissions of folders are "755", the owner is apache, group is apache.

If it is the permission issue, JMS should not be able the create those folders in the deployment directory....

Any ideas?

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/08 13:27

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Oh..I missed one file.

JMS also does create the configuration.php file in the deployment folder, permssion: 644

owner: apache group: apache

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Re:Unable to create the symbolic link after upgrade

Posted by edwin2win - 2009/09/08 15:43

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PHP does not provide interface to manage the permission except when you have all the privileges that will not solve the problem as if you have all the provilages, you will have no problems.
So JMS can not do anything to manage the permission issue.

This is the job of the administrator of the server to manage the permissions and sorry if I JMS can not do the job of the administrator.
I know this is not easy but I have no magic solution.

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/08 16:06

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Hi Edwin,

I understand I have to debug it myself. But may you advise me the following?

1) May you advise me where to adjust the Joomla log level?

By default, the Joomla error level can only log the login error.

2) How to enable the ftp server to read through symbolic link. I guess the ftp layer of Joomla may help.

But our ftp server current setting was not able to read through a symbolic link. I tested our ftp server with a Filezilla client, the client cannot read the symbolic link on our servers. Did I miss anything to make our ftp server work with symbolic link.

Thanks for your kind advice in advance!

Thank you so much.

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by edwin2win - 2009/09/08 17:31

The Joomla log level will not help you.
In JMS, it just create a symbolic link using the PHP symlink and this is the statement that cause the problem due to a permission error.
The error that is reported to you is exhaustive.

FTP Layer is NOT able to manage the symbolic links.

You need a terminal SSH connection to see them and manage the permission (if you are the administrator of this server).

FTP is not able to manage the Symbolic Links.
Sometime the hosting server administration tool provide a "file manager" that allow manage such Symbolic Links.

Normally, JMS is able to create some Symbolic Links as you have this functionality available.
When you go in JMS setting and see that Symbolic Link is allowed, this mean that JMS was able to create a temporary symbolic link.
Compare with "tmp" and "logs" directory that have correct permission when JMS settings reply "allowed".

So all your problem is located in the slave site and you have to check the permission of all the directories.

Debug the code will not help you identify the single line "symlink".

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/09 04:59

We wrote a script with "symlink" to create symbolic links at a slave site. And It works.

e.g. our script is at: http://slavex.oursite.com/create_symlink.php

After running it, it can create symbolic links to the Master directory at the slave directory.

The permission of the result symbolic links: owner: apache, group: apache. 777.

If it's the permission problem, the apache should not be able to create those symbolic links when running the script.

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/09 05:37

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When I rewrote the script and put it under the master site says:

http://slavex.oursite.com/create_symlink.php

And make it write symbolic links to a slave deployment directory. Same result. It succeeds.

Any clues?

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/09 11:07

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Hi Edwin,

I did a flesh install of Joomla 1.5.14 and then JMS 1.2.5 and find the following problems.

I think the real problem is "Database Error: Unable to connect to the database:Could not connect to database" Not unable to create symbolic links.

After I fiinished the install, I started create a slave.

1. After I filedl in and config and click "save". Error message" Database Error: Unable to connect to the database:Could not connect to database" with a white screen.

2. I check the slave site deploy directory. Only the folders "cache", "logs", "templates" & "tmp" and file configuration.php are created. No symbolic links.

3. Then click "back" button of the browser and then check the JMS..

4. I found that the slave site was created.

5. I click the slave site and click save.

6. Then go back to check the slave deploy directory. I found that all symbolic links are created.

7. Then check the sql database. No slave sql database was created.

8. Then I check the slave site front end. Error message "Database Error: Unable to connect to the database:Could not connect to database"

May you advise..

Many thanks.

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by edwin2win - 2009/09/09 13:04

"Database Error: Unable to connect to the database:Could not connect to database"
means that you have provide wrong DB parameters.

This is totally independent of the Symbolic Links and there is no relationship between DB and Symbolic Links.

So check the DB parameters (server, dbname, user, password, table prefix).

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/09 16:17

Edwin,

When I revert to JMS1.1.24 , everything back to normal.

No Database Error. and No symbolic links error.

But I really need JMS1.2. If I can work out what goes wrong, I will post it here.

Thanks for your kind advice.

Seth

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Re:Unable to create the symbolic link after upgrade

Posted by edwin2win - 2009/09/09 16:41

I don't know what may be specific in your case.
JMS 1.1.x and 1.2.x works the same way except it uses addition DB parameters (not only the table prefix).
I sugest that you create a fresh environment somewhere to check it yourself.

JMS has just introduced all the DB parameters and not only the table prefix like that was the case in JMS 1.1.x.
So I suspect that you have provide wrong DB connection parameters (server, dbbname, user and password).

With JMS 1.1.x, those parameters was the one of the website to replicate.
Now you have to provide correct values (that does not seems the case).

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Re:Unable to create the symbolic link after upgrade

Posted by KingoftheRoad - 2009/09/09 16:51

I need go to bed now.

I did some manual operation in JMS 1.1. ie. I manually changed all slave DBs to be individual DBs, not sharing with the parent.

Maybe, It caused some problems....

Seth

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