Create site from template, create separate DB

Posted by jmsalazarjr - 2010/02/13 03:13

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I created a template. When I look at the template in the template manager list, the columns "From DB" and "From DB Prefix" are blank. See attached "templatelist.png"

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Re:Create site from template, create separate DB

Posted by jmsalazarjr - 2010/02/13 03:28

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All right, I can't upload an image for some reason.

Anyway: I don't know if it's a problem or not, or if you expect those columns to be empty when you look at the template list manager.

Now, the problem I'm having is that I can't create a new database when creating new slave sites from the template.

My slaves are supposed to use the same DB user as the master site, and the template is supposed to create a new DB with the name {site_id}.

The DB user has the privilege to create databases, create users, grant permissions, etc.

If I create the DB manually myself, then creating the slave site from the template will load the new DB with data from the master DB. So there doesn't seem to be any problem with defining the new DB, only with creating it.

However, If I don't create the new DB myself manually, and the JMS script also fails to create it, then I expect to have an error reported to me. That's not what happens. Instead what happens is what I DON'T expect: The JMS script goes ahead and creates the slave site, and just uses the master DB for the slave site. I went to a lot of trouble to figure this out, and wrecked my master DB by making changes in the slave site (connected to master DB without me knowing).

So, please help me with the following:
Why would my DB user, with CREATE privilege, not create the new DB for the new slave site?
Why would JMS not warn me that my preference to create a new DB for the new slave site failed, and why would JMS proceed to perform a completely different execution? A dangerous one? Without telling me?

All right, the second piece there is just a complaint. Now that I know to look for this result, and to confirm it before I proceed to make changes in the slave site, I will survive without wrecking my master DB. The real concern is that I need to get JMS to create the new DB's for new slave sites.

You understand, it's necessary for me to use the jos_ table prefix, that's why I don't just use new tables in the master DB. What MySQL privileges should my DB user have, in order to create the DB according to the JMS script? The user has "CREATE".

Thank you very much

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Re:Create site from template, create separate DB

Posted by edwin2win - 2010/02/13 10:12

If you have a problem to create dynamically DB, first check that you have the lastest version of JMS.
Second if you have the laster version, potentially specify the parameters in the root login and password into the "multiistes.cfg.php" file as explained in the user manual page 14.
A key element can also be the "DB host" that you may have to specified in the "multisites.cfg.php" file to ensure that the MySQL user that will be potentially created by JMS or granted will be attached to the correct host name or IP address.
Some environment may use private IP like 192.168.1.xxxx that is not a localhost or 127.0.0.1

If JMS can not create dynamically the DB you should have a MySQL error message that will tell you if this is a user or a DB problem.
You can also use the PHPMyAdmin to check if the DB is created and also to check if the MySQL user have correct privileges.

In general it is advised to use a root login to create the DB and the MySQL user dynamically.

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Re:Create site from template, create separate DB

Posted by jmsalazarjr - 2010/02/15 00:42

Thank you, I will use root credentials in cfg.php while I set up my site(s) in a development lab. Since you asked, I'll say that I am using JMS 1.2.20, patches definition 1.2.26. Also Joomla 1.5.15, for the record.

Before moving anything to production, I'm going to want to NOT have root credentials in cfg.php. So, while I think the above is going to allow me to make progress for right now, I wonder if you can help a little more so that I can avoid keeping that cfg.php setting.

In particular:

• "If JMS can not create dynamically the DB you should have a MySQL error message that will tell you if this is a user or a DB problem"
Where will this message appear? It doesn't show up in the admin interface for Multisites, when I run "new site from template". It also doesn't show up in PHP errors log. I want to look for it in order to find out what's going on with my user, can you help with this?

And:

• "You can also use the PHPMyAdmin to check if the DB is created and also to check if the MySQL user have correct privileges."
The DB does not get created. My user as defined in my JMS site template has CREATE. What privilege should the user have in order to create DB as necessary under JMS?

And:

• "A key element can also be the "DB host" that you may have to specified in the "multisites.cfg.php" file to ensure that the MySQL user that will be potentially created by JMS or granted will be attached to the correct host name or IP address."
I'm not going to create new users for each DB. The original user is to be used for master DB as well as for separate DBs in slave sites. This is the user who has CREATE privilege. Is that user missing something?

Thanks again, I appreciated hearing from you on the weekend.

==========

ROOT user also fails to create new DB
Posted by jmsalazarjr - 2010/02/15 01:24

I did as you say: put root username and password in multisites.cfg.php

Nothing has changed. The template indicates that a new DB with name of {site_id} should be created, it does not happen. Instead slave site is created using same DB as master site.

So, I must be defining the template wrongly. I wish I could attach images to this forum, I don't know why I cannot. I would show you the screenshot of template settings.

==========

Re:ROOT user also fails to create new DB
Posted by jmsalazarjr - 2010/02/15 01:27

Let's try it this way:

Here are the template details, as seen in the list view in the template manager:
ID: ALU
Group: default
From site id: :master_db:
To site id: {site_id}
To domains : http://{site_id}.mytestdomain.com:9001
From DB:] (I asked about this in my first post - is it normal?)
From DB Prefix:] (I asked about this in my first post - is it normal?)
To DB: {site_id}
to DB Prefix: jos_
Themes: {site_dir}multisites{site_alias}templates

Here are the template details, as seen in the template's own detail page:

ID: ALU
Group: default
Validity duration: 0
Max nbr of sites / owner: 0
Expiration URL:

Product reference (SKU):
Title:
Description:
List of domain names (*): http://{site_id}.mytestdomain:9001

Replicate the tables from an existing DB prefix into a new tables prefix of a new DB
Template site (*): (integration, jos_)
To site ID (*): [site_id}
Admin User (*): - Users -
Share the whole site:
New DB server: localhost
New DB Name: {site_id}
New DB User:
New DB Password:
New DB Prefix (*): jos_

Specific slave site folders
Master site folder: D:inetpubintegration
Path to Media folder:
Path to Image folder:
Templates (themes) folder:
New FTP Parameters
FTP enable: Default
FTP host:
FTP port:
FTP user:
FTP password:
FTP root path:

(*) Fields required to have the template available from the front-end

Does any of that illustrate to you why even ROOT (forget the original DB user) does not create the new DB?

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Re:ROOT user also fails to create new DB

Posted by jmsalazarjr - 2010/02/15 01:42

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Here's the perverse part:

When I create a new slave site with the template settings above, here's what we get:

Settings seen in Site Manager list:

ID wireless9001
Site name {taken from master site}
Domains {as expected}

db server localhost
DB wireless9001
Prefix jos_
User {taken from master site}
status Confirmed
Expiration
Owner

Settings as seen in site's own detail page:

Site ID (*): wireless9001
Status (*): Confirmed
Payment reference:
Owner: - Owners -
List of domain names (*): {as expected}

Expiration date:
(*) Fields mandatory

Replicate the tables from an existing DB prefix into a new tables prefix using the same DB
Templates: ALU (: => jos_)
Share the whole site:
Template DB Server name: localhost
New DB Server name:
Template DB name: {site_id}
New DB name:
Template DB User:
New DB User:
Template DB Password:
New DB Password:
New DB table Prefix:
New site title:
New admin email:
New admin password:
Master site directory: D:inetpubintegration

Template Media folder: {site_dir}multisites{site_alias}images
New Media folder:
Template Images folder: {site_dir}multisites{site_alias}imagesstories
New Images folder:
Template Themes folder: {site_dir}multisites{site_alias}templates
New Themes folder:

Gray fields corresponds to information that are stored into the new DB.
To replicate a DB, select either a template having a "to" prefix rule or enter a new DB prefix here.
When there is no DB defined in the template, this is the master DB that is used for the replication.

New FTP Parameters
Template FTP enable: Default
New FTP enable: Default
Template FTP host:
New FTP host:

Template FTP port:
New FTP port:
Template FTP user:
New FTP user:
Template FTP password:
New FTP password:
Template FTP root path:
New FTP root path:

Parameters that come from standard Joomla configuration
DB host name: localhost
DB: wireless9001
DB prefix: jos_
DB user: {taken from master site}
DB password: {taken from master site}

Do you see why I say it's perverse? These details indicate that a new DB is present and is being used. Well, a new DB is NOT present, the master site's DB is being used. I confirmed it in a variety of ways, including looking for the wireless9001 DB with phpMyAdmin (it's not there), by editing the master site and observing the changes in the new slave site, by editing the slave site and observing the changes in the master site, and by changing the master DB with phpMyAdmin and observing the change in both master and slave sites.

And, I'll just repeat, from an earlier post:
If I manually create the DB with name of {site_id} before I create the slave site, everything works as expected. So I'm doing this in the lab in order to learn the software, but it's not an acceptable permanent condtion.I repeat it here in case it's diagnostically helpful.

So, I hope any of these details can help you see what's wrong wth my configuration. I'm perplexed that a DB which doesn't exist is stated to be used by the new slave site. Is that a surprise? Is it normal?

Is it starting to look like this isn't a problem with the DB user's permission at all, and is looking like some other kind of mis-configuration?

In good faith, I'll tell you that I have watched all of your tutorial videos, I have read the entire 1.2.X manual from start to finish, repeatedly, and I'm either in need of real personal help with the standard configuration OR I'm the victim of some very unusual condition which triggers an obscure defect in the JMS extension. Either way, here's to progress and success! Thanks again.

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DB loaded from master, but not used by slave site

Posted by jmsalazarjr - 2010/02/15 02:04

I wrote:
"If I manually create the DB with name of {site_id} before I create the slave site, everything works as expected"

OK, it's not true. The new DB does get the master DB copied into it, but the slave site doesn't use the

new DB, it still uses the master DB.

One more piece of information. I hope you can help. I hope, whatever the problem is, that it's pretty obvious to you based on the information I provided, and that there is a simple answer about what's wrong with my JMS settings.

I'm completely stuck, I don't have any way at all right now to have a slave site use a separate DB. That's unacceptable, because as I said before, it's necessary for my sites to use the jos_ prefix due to the presence of other extensions which require it.

==========

Re:ROOT user also fails to create new DB

Posted by edwin2win - 2010/02/15 11:54

First in your template, you have defined an URL with port 9001.
The port is not supported by JMS.
This will always show the master website.

I suppose that you environment does not support the Symbolic Links as I don't see any "deploy folder" field.

The JMS templates that you have defined seems to define the rule to replicate the master website into a slave site with a domain name having the port "9001" (not supported) into a new DB using the site ID as name and where the table prefix is "jos_".

The DB user login and password is identical to the one of your master website.
So you have to check the privileges that you MySQL user that you are using for the master website is granted for the other DB.
JMS try to grant the user but does not succeed.

I remember you that using "jos_" as table prefix is NOT recommended because you can delete your master website when you make a mistake.
In your template, you have used both "jos_" table prefix for the master and also when you create the slave site DB. In general a rule like "{site_id}_" is better to avoid destroy a skave sute.

When you have a MySQL error during the website creation, you should have this message reported. The MySQL error gives all the detail of the error.

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Re:ROOT user also fails to create new DB

Posted by jmsalazarjr - 2010/02/15 12:59

Thanks again, I will stop using :9001 in the lab and use :80

Is there a list of supported ports? Is it limited to :80 and :443?

And:

• "If JMS can not create dynamically the DB you should have a MySQL error message that will tell you if this is a user or a DB problem"
Where will this message appear? It doesn't show up in the admin interface for Multisites, when I run "new site from template". It also doesn't show up in PHP errors log. I want to look for it in order to find out what's going on with my user, can you help with this?

And:

• "You can also use the PHPMyAdmin to check if the DB is created and also to check if the MySQL user have correct privileges."
The DB does not get created. My user as defined in my JMS site template has CREATE. What privilege should the user have in order to create DB as necessary under JMS?

And:

• "A key element can also be the "DB host" that you may have to specified in the "multisites.cfg.php" file to ensure that the MySQL user that will be potentially created by JMS or granted will be attached to the correct host name or IP address."
I'm not going to create new users for each DB. The original user is to be used for master DB as well as for separate DBs in slave sites. This is the user who has CREATE privilege. Is that user missing something?

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Re:ROOT user also fails to create new DB

Posted by edwin2win - 2010/02/15 14:01

YES for the moment, it only accept http and https.
You can not enter a port.

I have a fixed that will be delivered in next release when you enter the port :80 in the URL or other port. It will be ignored.
See forum concerning the XMLRPC that provide the port ":80" and that is redirected on the master website.

Theorically, JMS enqeu the "message" in the top of the screen.
Perhaps you have a plugin or something that hidden the info or you have a specific admin templates that does not show this part.

As I don't know the reason that is specific to your environemnt, I have told you which tool and how to identify the reason yourself.
If you want that I investigate on your server the exact reason, we have billable support that you can order at
http://www.jms2win.com/download?page=shop.product_details&flypage=flypage.tpl&product_id=35&category_id=1

All I can tell you is the possible reason why the DB is not created automatically.
The reason is that you don't have provided a user that has enough privileges to access and create DB dynamically.

==========

Re:ROOT user also fails to create new DB

Posted by jmsalazarjr - 2010/02/15 15:17

Thanks, Edwin,

Now I use port 80 everywhere.

And, I have hostname and root credentials in cfg.php

And, I defined the password and username pattern in the template - instead of re-using the user from the master DB, I let new DB's have their own user.

Finally, I re-installed the default admin template Kephri.

Here's the good news:
• Now JMS can create DB, also can create user for new DB.
• Now I can see SQL error messages.

Here's the bad news:
The new DB doesn't get any data loaded into it. There are hundreds of SQL errors

Some say
"DB Error: ANY command denied to user ']'@'localhost' for table 'jos_users' SQL=CREATE OR REPLACE VIEW jos_users AS SELECT * FROM `]`.`jos_users`"
OK, this one I understand, because of the follwoing error:

Some say
"You must have privileges to update tables in the mysql database to be able to change passwords for others SQL=GRANT ALL PRIVILEGES ON `]`.`jos_users` TO `]`@`localhost` IDENTIFIED BY ']' WITH GRANT OPTION;"
OK, this one I don't understand, because the user on the master DB has all privileges - that user should be able to GRANT.

What has to happen, in order that the new DB user gets the privilege it needs on the master DB?

This has to be related to my trying to share users and JomSocial. It does not happen when I remove all sharing options from the JMS template.

But the whole reason I'm using JMS at all is to take advantage of user sharing and JomSocial sharing.

Many thanks here

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Re:ROOT user also fails to create new DB

Posted by raymondorta - 2010/02/15 18:19

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hello jmsalazarjr
I following this topic because I have the same issue.

I try to use one database master and 4 database slaves and I need the single login but we are stuck in the same point. When I use one database for master and slave I can have single login but with diferente database i failed.

==========

Re:ROOT user also fails to create new DB
Posted by edwin2win - 2010/02/15 18:33

This is a MySQL user privileges problem.
You need to grant your MySQL user to allow access the different DBs.

In general cPanel or tools like that create MySQL user that have acces to a single DB.
You need to be MySQL root to grant the MySQL user.

If you want that we do the MySQL administration on your server to update the MySQL privileges, we have billable support that you can order at
http://www.jms2win.com/download?page=shop.product_details&flypage=flypage.tpl&product_id=35&category_id=1

Ask your DB administrator to grant your MySQL user to have the privileges for the different DBs. In general, only the MySQL root user has this privileges.

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Re:ROOT user also fails to create new DB
Posted by raymondorta - 2010/02/15 19:27

Hello edwin2win.
We dont have any problem to pay the billable support, but first are testing in 2 joomla, we need to check, verify, test, understood how to work jms2win, and when we will use it in our production joomla then we will use this billable support. :)

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Re:ROOT user also fails to create new DB
Posted by jmsalazarjr - 2010/02/15 19:35

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edwin2win wrote:
This is a MySQL user privileges problem.
You need to grant your MySQL user to allow access the different DBs.

In general cPanel or tools like that create MySQL user that have acces to a single DB.
You need to be MySQL root to grant the MySQL user.

If you want that we do the MySQL administration on your server to update the MySQL privileges, we have billable support that you can order at http://www.jms2win.com/download?page=shop.product_details&flypage=flypage.tpl&product_id=35&category_id=1

Ask your DB administrator to grant your MySQL user to have the privileges for the different DBs. In general, only the MySQL root user has this privileges.

I'm assuming this is aimed at the other poster and not at myself.

Please split his into another thread, because I still have matters to discuss and it ought to be clear who's talking to whom and about what.

Thanks a lot, my continued conversation follows.

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Re:ROOT user also fails to create new DB
Posted by raymondorta - 2010/02/15 19:43

Hello jmsalazarjr, your are right.
sorry my apologies.

==========

Re:ROOT user also fails to create new DB
Posted by jmsalazarjr - 2010/02/15 19:46

I should say , I'd be happy to get billable support, however my sites and my lab are in an intranet. I can't give you access (login) because you can't connect (network).

What I keep seeing from you are comments to "make sure that DB users have correct permissions". Maybe you could state precisely what you would do to those users' permissions, if you did have phpMySQL access to my DB server. Or maybe there are specific quesitons you would ask me, about my DB server and the users' permissions.

Could you assist me over phone, email, IM, whatever, until we get it right, maybe that's an option. Did you ever support such intranet-only customers before? How did you do it?

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Re:ROOT user also fails to create new DB
Posted by jmsalazarjr - 2010/02/15 19:50

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raymondorta wrote:
Hello jmsalazarjr, your are right.
sorry my apologies.

It's nothing to worry about, Orta, I just ask that now that we're both talking to Edwin, that the conversations remain separate. I hope that you got/will get what you need, good luck! It really seems like a good product, once we get it set up the way we need.

==========

Re:ROOT user also fails to create new DB
Posted by edwin2win - 2010/02/15 23:25

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When you use PHPMyAdmin, you have to go in the "privileges" menu that appear when you are root.
If you don't have this "privileges" menu, this is because you are not root.

If you have the "privileges" menu, you can see all the users.
There you can check the permission and which actions are autorised by the users.
You also have to check the host or IPs that are autorised for the users.
You also have to check the DB that are autorised.
Sometimes you also have to verify the content of the MySQL DB itself and the parameters in the "db" table to check the permissions.

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Re:ROOT user also fails to create new DB
Posted by jmsalazarjr - 2010/02/17 01:10

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Maybe you could state precisely what you would do to those users' permissions, if you did have phpMySQL access to my DB server.

I already know everything you stated above. What I don't know is, what privileges does the user need?

The user for my master DB already has global permissions CREATE, CREATE USER, GRANT, and UPDATE. What global privileges does this user need, in order to execute the following query

Create User error : Query = , DB Message =

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Re:ROOT user also fails to create new DB
Posted by edwin2win - 2010/02/17 13:37

_____

Give a root user and ALL the privieleges on ALL the domain and all the host.
Perhaps the user is not defined on the correct host or IP, or something else.

If you want that we have a look on your server and setup your MySQL user, you can order our billable support at
http://www.jms2win.com/download?page=shop.product_details&flypage=flypage.tpl&product_id=35&category_id=1

==========

Re:Create site from template, create separate DB
Posted by jmsalazarjr - 2010/02/19 21:14

If you're just going to make the root user responsible, then no thanks. I already have this working according to your advice to put root credentials into multisites.cfg.php.

But, if you're saying that billable support can result in the master website's DB user able to grant proper permissions to dynamically-created DB users for new slave sites, and I won't have to have root credentials on cfg.php, then, I would be interested.

==========

Re:Create site from template, create separate DB
Posted by edwin2win - 2010/02/19 23:22

We are not responsible of the permission that your hosting provider gives you when you create a MySQL user.
We can just tell you where the problem is located.
We are not your hosting provider.
You should contact him to explain that you don't have the permission to do what you expect in your DB.
All we can do is to explain you which permission is required to make it works.

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Re:Create site from template, create separate DB
Posted by jmsalazarjr - 2010/02/20 00:12

I am the hosting provider.

I own the server.

I invite you to state whether you are confident in your ability to help us to get this configured the way we need, via your billable support offer.

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Re:Create site from template, create separate DB
Posted by edwin2win - 2010/02/20 11:01

If you are hosting provider, you should know the security concerning MySQL server and how to manage the privileges. You should not ask us in the forum how to manage the MySQL privileges.

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