

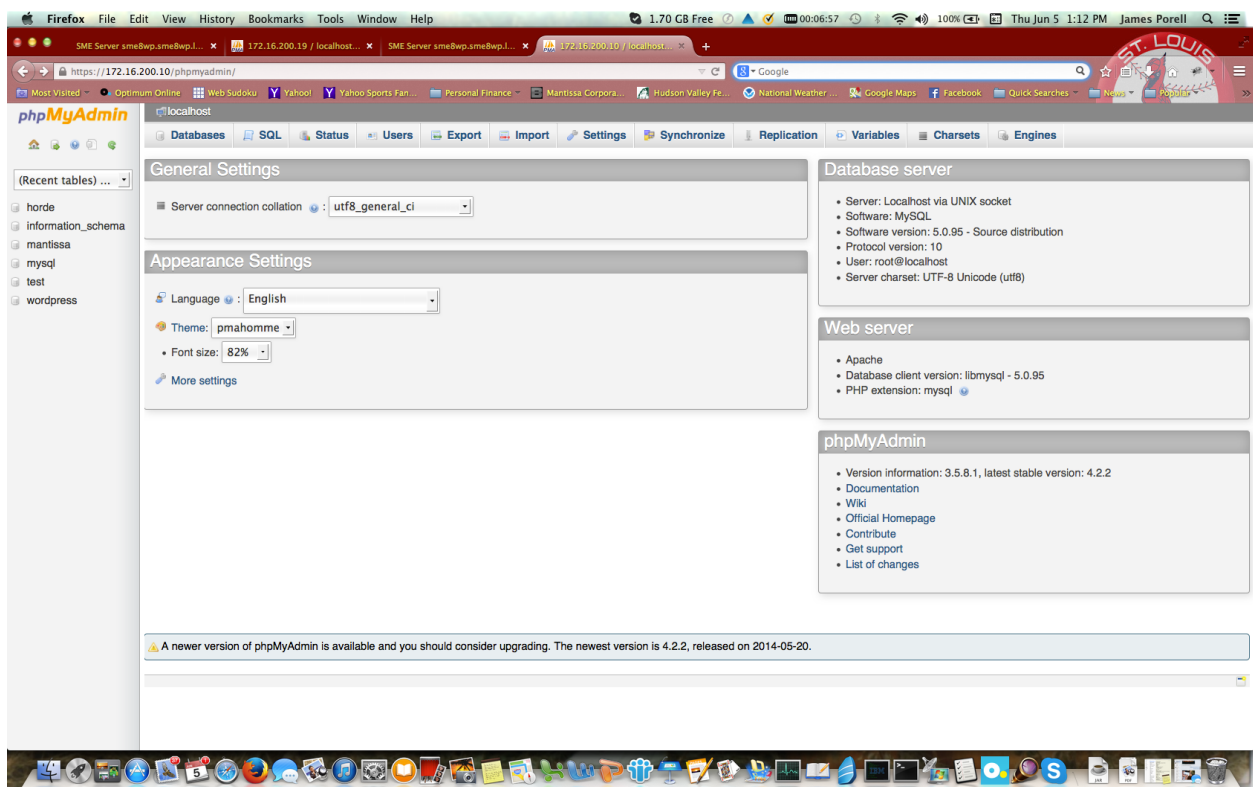
Starting up the sample Wordpress site shipped with Beta 3 SME server

If you did like I did and just try `http://<your IP @>/wordpress` you may have found that it resolved to `127.0.0.1/wordpress` and that's not good for much.

The reason for this failure is that this SME image has a different IP address than what was originally built by Mantissa. Sure, you've updated the IP @ and possibly the MAC @ already in your SME system. But the Wordpress definitions have stored that IP address within it's options and you'll need to change that as well.

Wordpress takes advantage of three things that are shipped with SME: The Apache web server, the PHP programming language and the MySQL database. You'll need to start by going to your browser and using PHPMYADMIN to update the options:

Enter: `https://<Your IP @>/PHPmyadmin`
from there, click on Wordpress



At this point, you are looking into the MySQL database entry associated with Wordpress.

https://172.16.200.10/phpmyadmin/index.php?db=wordpress&token=c153c6be74e6f3be901937711589d6dd#PMAURL:db=wordpress&table=wp_

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phpMyAdmin localhost » wordpress » wp_options

Browse Structure SQL Search Insert Export Import Operations

Showing rows 0 - 29 (144 total, Query took 0.2795 sec)

```
SELECT *
FROM `wp_options`
LIMIT 0, 30
```

1 Show all > >> Show : Start row: 30 Number of rows: 30 Headers every 100 rows

Sort by key: None

+ Options

	option_id	option_name	option_value	autoload
<input type="checkbox"/> Edit Copy Delete	1	siteurl	http://172.16.200.17/wordpress	yes
<input type="checkbox"/> Edit Copy Delete	2	blogname	ZVOS Wordpress	yes
<input type="checkbox"/> Edit Copy Delete	3	blogdescription	Just another WordPress site	yes
<input type="checkbox"/> Edit Copy Delete	4	users_can_register	0	yes
<input type="checkbox"/> Edit Copy Delete	5	admin_email	antonio.carballo@mantissa.com	yes
<input type="checkbox"/> Edit Copy Delete	6	start_of_week	1	yes
<input type="checkbox"/> Edit Copy Delete	7	use_balanceTags	0	yes
<input type="checkbox"/> Edit Copy Delete	8	use_smilies	1	yes
<input type="checkbox"/> Edit Copy Delete	9	require_name_email	1	yes
<input type="checkbox"/> Edit Copy Delete	10	comments_notify	1	yes
<input type="checkbox"/> Edit Copy Delete	11	posts_per_rss	10	yes
<input type="checkbox"/> Edit Copy Delete	12	rss_use_excerpt	0	yes
<input type="checkbox"/> Edit Copy Delete	13	mailserver_url	mail.example.com	yes
<input type="checkbox"/> Edit Copy Delete	14	mailserver_login	login@example.com	yes
<input type="checkbox"/> Edit Copy Delete	15	mailserver_pass	password	yes
<input type="checkbox"/> Edit Copy Delete	16	mailserver_port	110	yes
<input type="checkbox"/> Edit Copy Delete	17	default_category	1	yes

Now click on wp-options

https://172.16.200.10/phpmyadmin/index.php?db=wordpress&token=c153c6be74e6f3be901937711589d6dd#PMAURL:db=wordpress&server=1& Google

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phpMyAdmin

localhost » wordpress

Structure SQL Search Query Export Import Operations Privileges Routines

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> wp_commentmeta	Browse Structure Search Insert Empty Drop	0	MyISAM	utf8_general_ci	1 K B	-
<input type="checkbox"/> wp_comments	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	6.2 K B	-
<input type="checkbox"/> wp_links	Browse Structure Search Insert Empty Drop	0	MyISAM	utf8_general_ci	1 K B	-
<input type="checkbox"/> wp_options	Browse Structure Search Insert Empty Drop	144	MyISAM	utf8_general_ci	439.8 K B	5.1 K B
<input type="checkbox"/> wp_postmeta	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	7.1 K B	-
<input type="checkbox"/> wp_posts	Browse Structure Search Insert Empty Drop	3	MyISAM	utf8_general_ci	9.4 K B	-
<input type="checkbox"/> wp_terms	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	8 K B	-
<input type="checkbox"/> wp_term_relationships	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	3 K B	-
<input type="checkbox"/> wp_term_taxonomy	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	4 K B	-
<input type="checkbox"/> wp_usermeta	Browse Structure Search Insert Empty Drop	14	MyISAM	utf8_general_ci	7.8 K B	-
<input type="checkbox"/> wp_users	Browse Structure Search Insert Empty Drop	1	MyISAM	utf8_general_ci	4.1 K B	-
11 tables	Sum	167	MyISAM	utf8_general_ci	490.5 K B	5.1 K B

Check All / Uncheck All / Check tables having overhead With selected:

Print view Data Dictionary

Create table

Name: Number of columns:

For me, I'll be changing the IP@, the blogname and the admin_email
Once the changes are made, it will look like this:

https://172.16.200.10/phpmyadmin/index.php?db=wordpress&token=c153c6be74e6f3be901937711589d6dd#PMAURL:db=wordpress&table

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phpMyAdmin localhost » wordpress » wp_options

Browse Structure SQL Search Insert Export Import Operations

(Recent tables) ... wordpress

wp_commentmeta wp_comments wp_links wp_options wp_postmeta wp_posts wp_terms wp_term_relationships wp_term_taxonomy wp_usermeta wp_users

Create table

1 Show all > >> Show: Start row: 30 Number of rows: 30 Headers every 100 rows

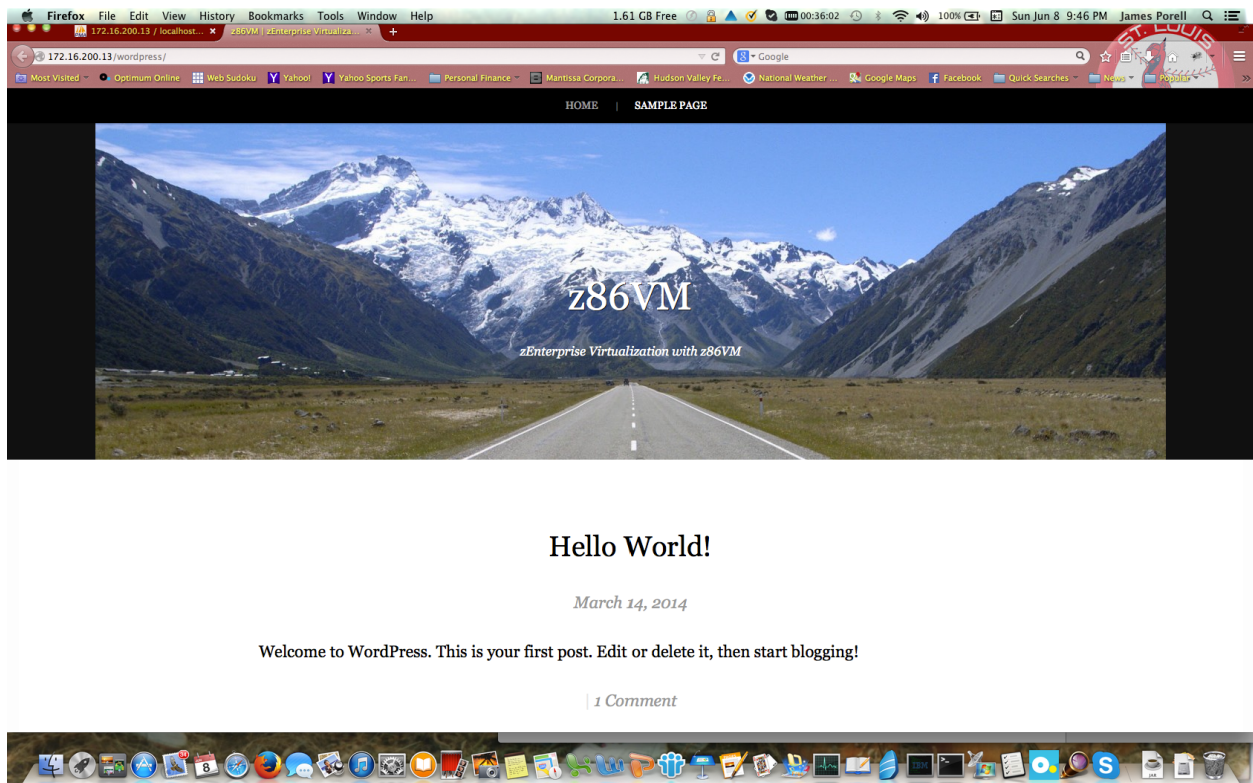
Sort by key: None

+ Options

		option_id	option_name	option_value	autoload
<input type="checkbox"/>	Edit Copy Delete	1	siteurl	http://172.16.200.10/wordpress	yes
<input type="checkbox"/>	Edit Copy Delete	2	blogname	Z86VM Wordpress	yes
<input type="checkbox"/>	Edit Copy Delete	3	blogdescription	Just another WordPress site	yes
<input type="checkbox"/>	Edit Copy Delete	4	users_can_register	0	yes
<input type="checkbox"/>	Edit Copy Delete	5	admin_email	jim.porell@mantissa.com	yes
<input type="checkbox"/>	Edit Copy Delete	6	start_of_week	1	yes
<input type="checkbox"/>	Edit Copy Delete	7	use_balanceTags	0	yes
<input type="checkbox"/>	Edit Copy Delete	8	use_smilies	1	yes
<input type="checkbox"/>	Edit Copy Delete	9	require_name_email	1	yes
<input type="checkbox"/>	Edit Copy Delete	10	comments_notify	1	yes
<input type="checkbox"/>	Edit Copy Delete	11	posts_per_rss	10	yes
<input type="checkbox"/>	Edit Copy Delete	12	rss_use_excerpt	0	yes
<input type="checkbox"/>	Edit Copy Delete	13	mailserver_url	mail.example.com	yes
<input type="checkbox"/>	Edit Copy Delete	14	mailserver_login	login@example.com	yes
<input type="checkbox"/>	Edit Copy Delete	15	mailserver_pass	password	yes
<input type="checkbox"/>	Edit Copy Delete	16	mailserver_port	110	yes
<input type="checkbox"/>	Edit Copy Delete	17	default_category	1	yes
<input type="checkbox"/>	Edit Copy Delete	18	default_comment_status	open	yes
<input type="checkbox"/>	Edit Copy Delete	19	default_ping_status	open	yes
<input type="checkbox"/>	Edit Copy Delete	20	default_pingback_flag	0	yes

If all goes well, you should then look at what you've done. Enter: `http://<your IP @>/wordpress`

Hopefully, it looks something like this:



It's as simple as that to get a base web page up and running.

Now let's look at what really happened. This surprises even us at Mantissa :-). Millions of instructions have just executed. MySQL is the database that hosts the web pages and customization necessary to operate Wordpress.

The Apache Web server is rendering those pages within the browser.

PHP is the interpretive command language that is used by Wordpress to access the database, call out to Apache to process the pages and also to customize and tailor the web pages.

It's a phenomenal amount of activity all driven by a Linux x86 operating system running on an IBM mainframe within z/VM.

Lots more work to do, but this provides the beginning and proof point that leveraging "traditional" x86 systems, you can think about different ways to solve problems and a different operational value when running on System z.