

Tiki deployment - Experiment with appsdeck

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Plan/general idea

Install from scratch with svn version 12.x on appsdeck.eu (now renamed <https://scalingo.com/>)
<https://appsdeck.eu> is currently in beta. Anyone can experiment for free, even when prices are mentioned.
Pricing is also not final yet (should get lower).
Name will change before the offering goes public and gets really paying.

Create local git depot

```
libs@tanelorn:~$ cp -r /tiki/tiki_sf/branches/12.x alsawiki_share/projets/appsdeck/
```

Verify that we have composer.json at the root

Yes we do.

This is good because appsdeck can handle it. No need to provide the *vendors* directory.

```
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git init
Initialized empty Git repository in /home/libs/alsawiki_share/projets/appsdeck/12.x/.git/
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git add .
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git commit -m "First commit"
```

```
*** Please tell me who you are.
```

Run

```
git config --global user.email "you@example.com"
git config --global user.name "Your Name"
```

to set your account's default identity.

Omit --global to set the identity only in this repository.

```
fatal: unable to auto-detect email address (got 'libs@tanelorn.(none)')
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git config --global user.email
"jyhem@tiki.org"
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git config --global user.name "Jean-
Marc Libs"
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git commit -m "First commit"
```

Create project on appsdeck

<https://appsdeck.eu/>

Get an account. Mine is jyhem

Make sure to share some public key for further command line communication.

Create a new application: jyhem-tiki-12

Get next commands on appsdeck website

Get addons from appsdeck

<https://appsdeck.eu/home/apps/jyhem-tiki-12#addons-tab>

→ mysql

Info returned after mysql creation:

APPSDECK_MYSQL_URL:

mysql://jyhem_tiki__5479:xxxxxxxxxxxxxxxxxxxx@epsilon.appsdeck.eu:30005/jyhem_tiki__5479

Add from previous the env variable:

MYSQLCONNSTR_Tiki: Database=jyhem_tiki__5479;Data Source=epsilon.appsdeck.eu:30005;User Id=jyhem_tiki__5479;Password=xxxxxxxxxxxxxxxxxxxx

Tiki side

Ref: <https://doc.tiki.org/System+Configuration>

Create `db/tiki.ini` with appropriate info

Well, not necessary.

Remove the `.svn` directories from the git repo

Should have been done earlier:

```
echo '.svn' > .gitignore
find ./ -type d -name .svn -print0 | xargs -0 git rm --cached -r
git status
git commit -a -m "delete svn files from git cache"
git status
git add .
git status
git commit -a -m "ignore svn files"
```

Actually send on the website

```
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git status
# On branch master
nothing to commit, working directory clean

libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git push appsdeck master
Counting objects: 11074, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (10951/10951), done.
Writing objects: 100% (11074/11074), 28.68 MiB | 76 KiB/s, done.
Total 11074 (delta 1229), reused 0 (delta 0)

<-- Start deployment of jyhem-tiki-12 -->

-----> Bundling NGINX 1.6.1
-----> Bundling PHP 5.5.15
-----> Bundling extensions
    apcu
    phpredis
    mongo
-----> Vendorsing Composer
    Updating Composer
Updating to version 1e27ff5e22df81e3cd0cd36e5fdd4a3c5a031f4a.
    Downloading: 100%
Use composer self-update --rollback to return to version
28c65b5425f7f8722c260e3787b74clea6b37e3b
-----> Installing application dependencies with Composer
    Loading composer repositories with package information
    Installing dependencies from lock file
    - Installing afarkas/html5shiv (3.6.2)
      Downloading: 100%
```

```
- Installing adodb/adodb (5.18)
  Downloading: 100%

- Installing bombayworks/zendframework1 (v1.12.3)
  Downloading: 100%

- Installing ckeditor/ckeditor (4.3.4)
  Downloading: 100%

...

...

...

- Installing zetacomponents/webdav (1.1.3)
  Downloading: 100%

Generating optimized autoload files
Warning: Ambiguous class resolution, "Multilingual_Aligner_SentenceAlignments" was
found in both "/build/lib/core/Multilingual/Aligner/SentenceAlignments.php" and
"/build/lib/core/Multilingual/Aligner/SentenceAlignments3.php", the first will be used.
Warning: Ambiguous class resolution, "Text_Wiki_Parse_Tt" was found in both
"/build/vendor_extra/pear/Text/Wiki/Parse/Default/Tt.php" and
"/build/vendor_extra/pear/Text/Wiki/Parse/Mediawiki/Tt.php", the first will be used.
...
Warning: Ambiguous class resolution, "ADORecordSet_postgres64" was found in both
"/build/vendor/adodb/adodb/drivers/drivers/adodb-postgres64.inc.php" and
"/build/vendor/adodb/adodb/drivers/adodb-postgres64.inc.php", the first will be used.
-----> Setting up default configuration
-----> Vendors binaries into slug
Build complete, shipping your container...

Waiting for your application to boot...

<-- https://jyhem-tiki-12.appsdeck.eu -->
To git@appsdeck.eu:jyhem-tiki-12.git
* [new branch]      master -> master
```

<https://jyhem-tiki-12.appsdeck.eu> Partial success ! 

→ Gets to installer

Tiki has detected your PHP memory_limit at: 128 MB.
No email because no sendmail binary existing or planned.

All looks good except that we can't exit the installer (with or without creating the lock file)
I assume the issue is, it does not let us create db/local.php

I assumed wrong: Creating files is not an issue by itself. Here, the issue is with port allocation
Working with Soulou, from appsdeck.eu

IRC log in french

I did it in :

Revision: 52330
<http://sourceforge.net/p/tikiwiki/code/52330>

Author: jyhem

Date: 2014-08-14 16:40:52 +0000 (Thu, 14 Aug 2014)

Log Message:

[FIX] Check if behind a Frontend-Proxie/Load-Balancer which rewrites ports (some cloud offerings need this) (thanks Soulou)

Modified Paths:

trunk/lib/setup/absolute_urls.php

Modified: trunk/lib/setup/absolute_urls.php

```
=====
--- trunk/lib/setup/absolute_urls.php    2014-08-14 11:42:37 UTC (rev 52329)
+++ trunk/lib/setup/absolute_urls.php    2014-08-14 16:40:52 UTC (rev 52330)
@@ -8,6 +8,15 @@
 //this script may only be included - so its better to die if called directly.
 $access->check_script($_SERVER['SCRIPT_NAME'], basename(__FILE__));

+// Check if behind a Frontend-Proxie/Load-Balancer which rewrites ports
+if (isset($_SERVER['HTTP_X_FORWARDED_PROTO'])) {
+    if ($_SERVER['HTTP_X_FORWARDED_PROTO'] == "http") {
+        $_SERVER['SERVER_PORT'] = 80;
+    } else if ($_SERVER['HTTP_X_FORWARDED_PROTO'] == "https") {
+        $_SERVER['SERVER_PORT'] = 443;
+    }
+}
+
// check if the current port is not 80 or 443
if (isset($_SERVER['SERVER_PORT'])) {
    if (($_SERVER['SERVER_PORT'] != 80) && ($_SERVER['SERVER_PORT'] != 443)) {
```

So, to get Tiki running, until this is backported,

```
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ svn merge -c 52330
```

```
https://svn.code.sf.net/p/tikiwiki/code/trunk/ .
```

```
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git add lib/setup/absolute_urls.php
```

```
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git commit -m "Support
```

```
HTTP_X_FORWARDED_PROTO"
```

```
[master edd1a24] Support HTTP_X_FORWARDED_PROTO
```

```
1 file changed, 9 insertions(+)
```

```
libs@tanelorn:~/alsawiki_share/projets/appsdeck/12.x$ git push appsdeck master
```

```
Counting objects: 9, done.
```

```
Delta compression using up to 4 threads.
```

```
Compressing objects: 100% (5/5), done.
```

```
Writing objects: 100% (5/5), 628 bytes, done.
```

```
Total 5 (delta 4), reused 0 (delta 0)
```

```
<-- Start deployment of jyhem-tiki-12 -->
```

```
-----> Bundling NGINX 1.6.1
```

```
Checksums match. Fetching from cache.
```

```
-----> Bundling PHP 5.5.15
```

```
Checksums match. Fetching from cache.
```

```
-----> Bundling extensions
         apcu
         Checksums match. Fetching from cache.
...
Build complete, shipping your container...
Waiting for your application to boot...

<-- https://jyhem-tiki-12.appsdeck.eu -->
To git@appsdeck.eu:jyhem-tiki-12.git
82fd4ff..edd1a24 master -> master
```

Other options

filesystem storage

```
This is not a blocker, since by default, Tiki ships with ''Storage: Store in database''
[Thursday 14 August 2014] [18:48:22] <Soulou> -c'est
[Thursday 14 August 2014] [18:48:44] <Soulou>
https://api.ovh.com/openstack-swift-for-pcs-howto.xml
[Thursday 14 August 2014] [18:48:49] <Soulou> pour un swift chez OVH
[Thursday 14 August 2014] [18:48:56] <Soulou> https://aws.amazon.com/fr/s3/
[Thursday 14 August 2014] [18:48:59] <Soulou> pour un compte chez S3 :)
```

Troubleshooting

<http://sample-php-base.appsdeck.eu/>

```
appsdeck --app jyhem-tiki-12 run bash
appsdeck --app jyhem-tiki-12 logs -f
```

Main issue: email

They have no sendmail and they don't intend to have one.

So

- the test emails in the installer fail
- We need to configure SMTP email

Issue

During the one test, sending emails using SMTP failed

We don't know if it's a Tiki issue or an appsdeck issue. Lack of time for more testing.

Tiki does not allow for useful logging of mail activities

Modifs et patchs

File galleries

Faut «un CDN ou bien un service type S3 ou OpenStack Swift»

sinon, <http://jyhem-tiki-12.appsdeck.eu/tiki-admin.php?page=fgal> et Storage: Store in database

Ref: <https://github.com/tpyo/amazon-s3-php-class>

Ref: <https://api.ovh.com/openstack-swift-for-pcs-howto.xml>

Elastic search (available as a paying appsdeck add-on)

APPSDECK_ELASTICSEARCH_URL: http://jyhem-tiki-12_5287:xxxxxxxxxxxxxxxx@epsilon.appsdeck.eu:30007

Note: I needed to add this in the list of hidden prefs so that the password is not exposed in the tiki logs (revision 52331 in 12, 13, 9)

Pricing

Not final: <http://scalingo-homepage-production.appsdeck.eu/pricing>

Goodies

<https://github.com/Appsdeck/appsdeck-executables>

Download latest

```
https://github.com/Appsdeck/appsdeck-executables/blob/master/0.3.4/appsdeck_0.3.4_amd64.deb
libs@tanelorn:~/xfers$ sudo dpkg -i appsdeck_0.3.4_amd64.deb
Selecting previously unselected package appsdeck.
(Reading database ... 313579 files and directories currently installed.)
Unpacking appsdeck (from appsdeck_0.3.4_amd64.deb) ...
Setting up appsdeck (0.3.4) ...
```

```
libs@tanelorn:~/xfers$ appsdeck
```

```
NAME:
```

```
Appsdeck Client - Manage your apps and containers
```

```
USAGE:
```

```
Appsdeck Client [global options] command [command options] [arguments...]
```

```
VERSION:
```

```
0.3.4
```

COMMANDS:

```
logs, l      Get the logs of your applications
run, r      Run any command for your app
apps, a     List your apps
logout      Logout from Appsdeck
create, c   Create a new app
destroy, d  Destroy an app /\
help, h     Shows a list of commands or help for one command
```

GLOBAL OPTIONS:

```
--app, -a '<name>'  Name of the app
--version, -v      print the version
--help, -h        show help
```

```
libs@tanelorn:~/xfers$ appsdeck --app appsdeck apps
You need to be authenticated to user Appsdeck client.
No account ? → https://appsdeck.eu/users/sign_up
Username or email: jyhem
Password:
Hello Jean-Marc Libs, nice to see you !
```

```
List of your apps :
◦ wikilaplagedigitale – (owner)
◦ convert – (owner)
◦ jyhem-tiki-12 – (owner)
```

Email testing

With gmail SMTP

Create gmail account

jeanmarc.appsdeck@gmail.com

12345678Appsdeck!!toto

Tiki configuration

Default charset for sending mail: utf-8

Mail end of line: LF

Mail Sender: SMTP

SMTP Server: smtp.gmail.com

Authentication: LOGIN

Username: jeanmarc.appsdeck@gmail.com

Password: 12345678Appsdeck!!toto

Port: 465

Security: SSL

Local server name: jyhem-tiki-12.appsdeck.eu

Mail Delivery: Send immediately

Test email

Send: jeanmarc.appsdeck@gmail.com

Got email (then gmail froze the account demanding a working phone number)

Probable success !

With Hotmail SMTP

Hotmail account

gaston.trobas@gmail.com

Gaston123456RTYOPB

It definitely wants a phone number

gaston.trobas@hotmail.com

XXXXXXXX

Tiki config

Ref: http://www.patshaping.de/hilfen_ta/pop3_smtp.htm

Mail end of line: LF

Mail Sender: SMTP

SMTP Server: smtp-mail.outlook.com

Authentication: LOGIN

Username: gaston.trobas@hotmail.com

Password: xxxxx

Port: 587

Security: TLS

Local server name: jyhem-tiki-12.appsdeck.eu

Mail Delivery: Send immediately

«Unable to send mail»

Port: 25

«Unable to send mail»

Security: SSL

Port: 25

«Unable to send mail»

Security: SSL

Port: 587

«Unable to send mail»