Tiki deployement - 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=xxxxxxxxxxxxxxxxxxxxx

~~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 -----> Vendoring Composer Updating Composer Updating to version 1e27ff5e22df81e3cd0cd36e5fdd4a3c5a031f4a. Downloading: 100% Use composer self-update --rollback to return to version 28c65b5425f7f8722c260e3787b74c1ea6b37e3b -----> 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 -----> Vendoring 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 Switft»
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:xxxxxxxxxxxxxxx@epsilon.appsdeck.eu:30007

Note: I needed to add this in the list of hidden prefs so that the password is nor 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»