

# DEPLOYING SILVERSTRIPE

THOUGHTS & SOLUTIONS FOR AUTOMATED DEPLOYMENT

by [Anselm Christophersen \(@anselmdk\)](#)

# WHO AM I?

## ...TO TELL YOU ABOUT DEPLOYMENT?

- Full time Freelance Web Developer
- Owner of Title Web Solutions ([www.title.dk](http://www.title.dk))
- Using SilverStripe since 2007
- ...I've spent much time researching on and trying out deployment solutions

# TOPICS TODAY

1. Development setups / philosophies
2. Available options
3. What do you do?
4. What I do

ARGUMENT:

# DEPLOYMENT IS NOT SILVERSTRIPE SPECIFIC

AND HENCE IS TOO GENERIC FOR A SILVERSTRIPE MEETUP

- Some people still use FTP!!
- SilverStripe is a lot about automation
- A proper deployment should take SilverStripe specifics like Composer, cache clearing, and database rebuild into account  
*Without having to spend hours setting things up for each new project*
- It should preferably work out-of-the-box

# ASSUMPTIONS

- You're using a VCS (preferably git)
- You're using Composer for dependency management
- You're NOT adding SilverStripe libraries to VCS

# DEPLOYMENT METHODS/PHILOSOPHIES

## SYNCING VS. PULLING

- **Syncing**
  - Manually (*FTP*)
  - Automated
    - Continuous Integration
    - SaaS Solutions
    - Sync libs
- **Pulling**  
`git pull;composer install;`  
This is my preferred way - *more about this later*

# #1: AUTOMATED SYNCING

## CONTINUOUS INTEGRATION

- Capistrano
  - [github.com/silverstripe/deploynaut](https://github.com/silverstripe/deploynaut) <= *looks interesting*
  - [github.com/jeffwhitfield/silverstripe-capistrano](https://github.com/jeffwhitfield/silverstripe-capistrano)
- TeamCity
- Phing?
- Many other...

# SAAS SOLUTIONS

- [Springloops](#)
- [Beanstalk / Dploy.io](#)
- [DeployHQ](#)
- [FTPloy](#)

*All these require you to either add all libraries to VCS or to install Composer on the server*



# LIBS

- BEAM by Heyday
- Dandelion

# #2: PULLING

Why not just git and Composer on the server?

## PREREQUISITES

- SSH access, and rights to install git and Composer
- This will most likely **not** work on a shared hosting

# BASICS

1. Check your repo out on the server (making sure that `.git` is not readable from the web)
2. Point Apache to your repo url.
3. Run `composer install;`
4. Done.
5. Deployment: `git pull; composer install;`

See also this article: [ryanflorence.com/simple-git-deployment](https://ryanflorence.com/simple-git-deployment)

# AUTOMATED PROCEDURE BY MARK GUINN

[github.com/markguinn/silverstripe-deploytools](https://github.com/markguinn/silverstripe-deploytools)

- Works with Bitbucket/Github commit hooks
- Deploy by pushing to master
- Works with Composer

# **AUTOMATED PROCEDURE BY TITLE WEB SOLUTIONS**

**THAT'S ME**

**WHAT DO YOU DO?**

# WHAT I DO

## AUTOMATED PROCEDURE BY TITLE WEB SOLUTIONS

[github.com/titledk/silverstripe-deployment](https://github.com/titledk/silverstripe-deployment)

- A shell script library that's easy to install and maintain
- Configuration is placed within the repository, and in YAML
- Deployment is done directly from the shell or automatically on push



# EXAMPLE

```
#Installation
git submodule add git://github.com/titledk/silverstripe-deployment.git d
ployment;./deployment/_install/local-install.sh;

#Deploy live site
./d Live

#Deploy test site
./d Test

#There's also a menu
./d menu Live
```

```
title.dk — sh — 67x22

Title Web Solution's

[...].com
for My test project (Live)

Press ENTER to deploy directly, or enter an option and press ENTER.

push) Push & Deploy
sudo) Sudo Deploy
sudo push) Push & Sudo Deploy
ssh) SSH to Live environment

shortcuts) Back to Main menu
back) Back to Main menu

Press x and ENTER to exit.
NOTE: This should be run from your LOCAL environment.
```

# THANK YOU

If you want to know more, let's talk!