CONFIGURATION

DEPLOYMENT

In Drupal 8

DrupalCamp London

5th March 2017

MANIFESTO

ABOUT ME

Hi, I'm:

- Gabriele / Gabi / gambry
- 15+ PHP / 8+ Drupal / 3+ Dad.
- Senior Software Engineer/Consultant @ MANIFESTO

I Like:

- Drupal, PHP, Javascript, Deployment, Performance
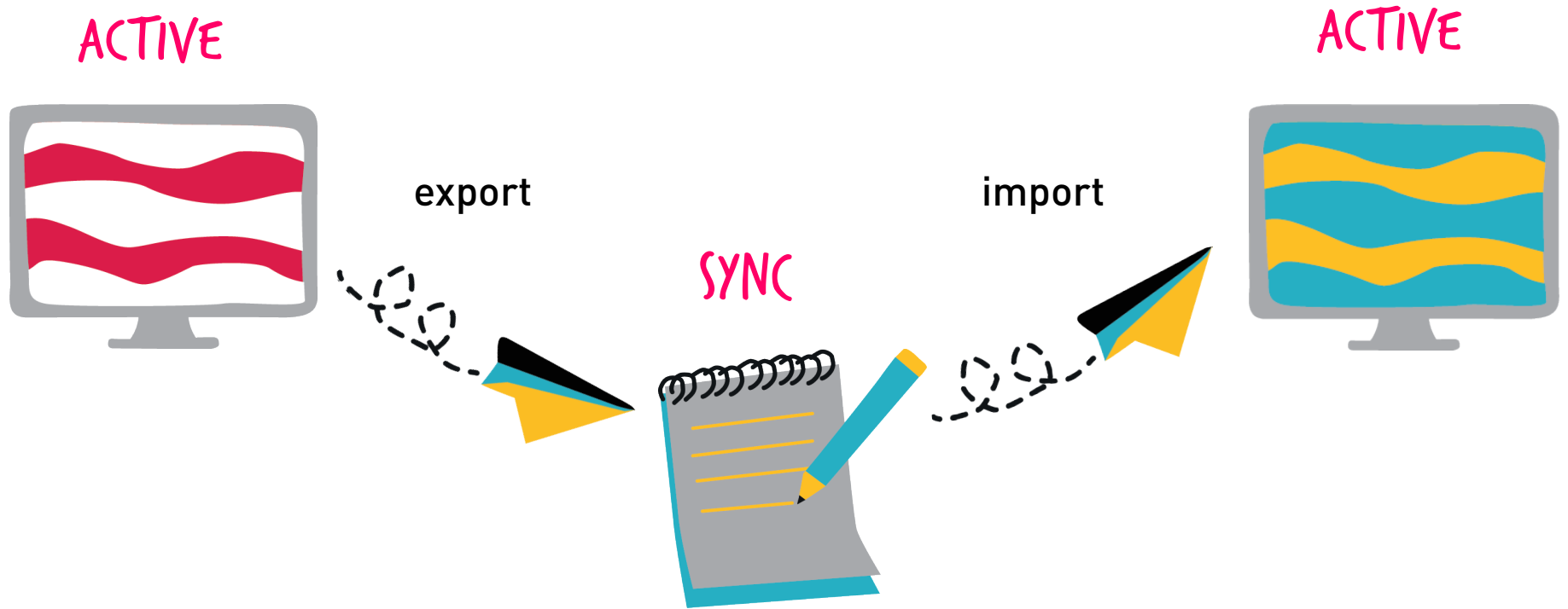- Cooking && Eating
- Shameless

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C.M.I.

Configuration Management (the "I" stands for *Initiative*) allows you to export your site's configuration settings into files. This means that we are now able to capture configuration changes in code.

SIMPLE CONFIGURATION DEPLOYMENT

ACTIVE

export

SYNC

import

ACTIVE

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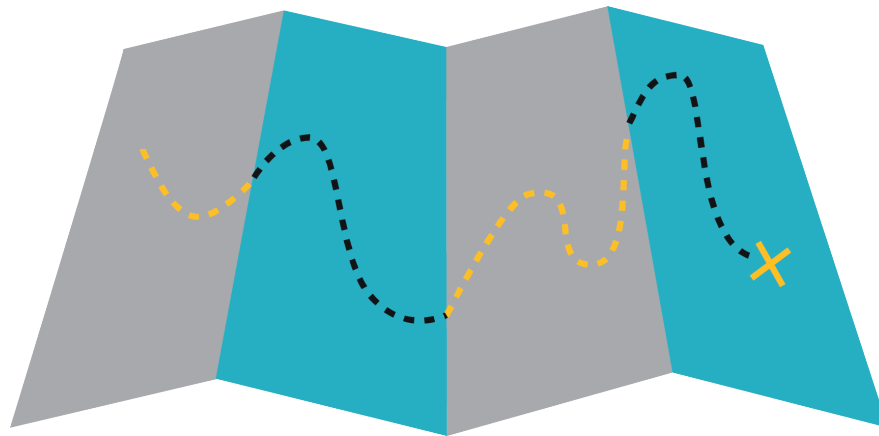
SIMPLE CONFIGURATION DEPLOYMENT

- Will I overwrite existing configuration on Production? YES

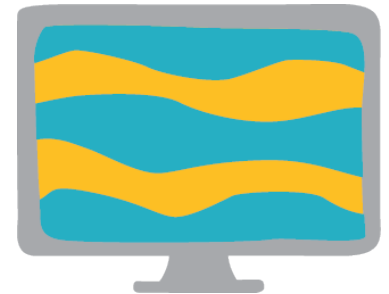- Will I delete new configuration changes made on Production? YES

SYNC

On import:

➢ New configs will be created
➢ Existing configs will be overwritten
➢ Missing configs will be delete

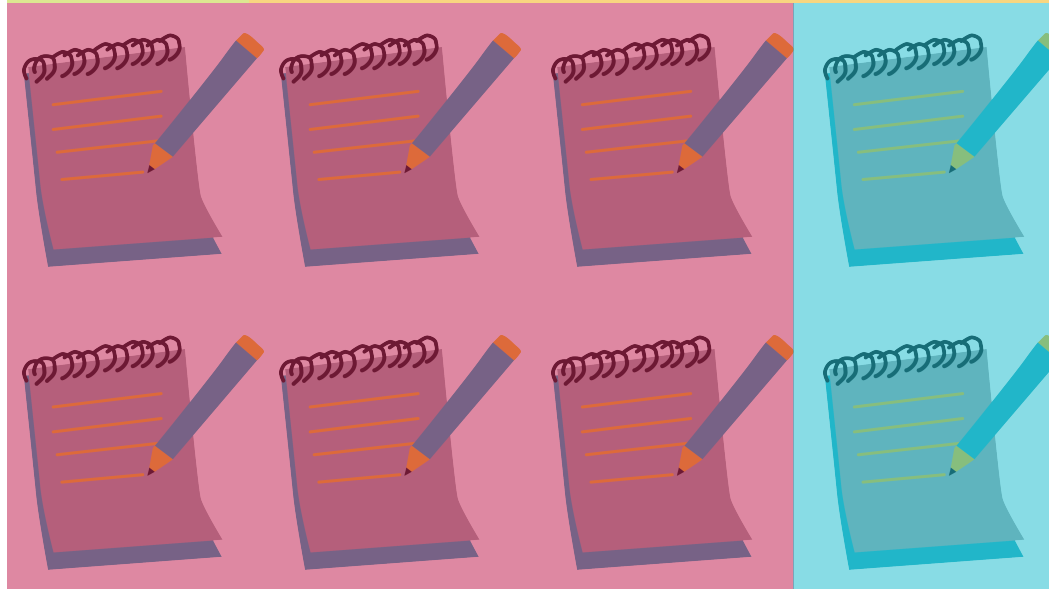ACTIVE

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What if configuration is not simple?

Devel
Stage File Proxy

Webforms
Page Manager
Panels

Node
Fields
Views
User Roles

Google Analytics
Page Manager
Panels

PRIMARY
SEGMENT

- Bones of the website
- Configuration client should NOT change
- New configs must be created, existing overridden and missing deleted.
- Master is SYNC
- Fields, Entities definitions, Views, Block Types, Core settings, etc.

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SECONDARY

SEGMENT

- Configuration created by client
- Contains only NEW items
- Must not be deleted during imports
- Master is Active
- New Blocks instances, New Panels and Page Manager instances, New Webforms

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INITIAL
SEGMENT

- Configuration client should be able to change and you just want to give an initial state
- New configs must be created while existing kept untouched.
- Master is SYNC and ACTIVE
- Site Settings, Panels and Page Manager instances, Google Analitycs

DEVEL
SEGMENT

- Development-only configuration
- Should not be exported/imported nor staged
- Master is *, but in Dev environment
- Devel, Stage File Proxy, Webprofiler

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SOLUTIONS!

- Drush

- Config Split

- Config Read-only

- Config Ignore

- Drush CMI Tools

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DRUSH

Drush includes out-of-the-box the commands to import (cim) and export (cex) configuration.

PRIMARY	✔	`drush cim/cex`
SECONDARY	✔	`drush cim --partial` Allows for partial config imports, so missing configurations will NOT be deleted.
INITIAL	✖	
DEVEL	✔	`drush cex --skip-modules=module,module,module` However some skipped configuration may still be exported. Besides you'll need to manually enable the modules after a config import.

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CONFIG SPLIT

Web UI : CLI

Contrib module providing Web UI, Drush and Drupal console commands for importing and exporting filtered configuration.
You can split your monolithic configuration in multiple folders.

PRIMARY	✔	`drush cim/cex` OR `drush csim/csex`
SECONDARY	✘	Unless everything you need lives in SYNC directory, so you can use --partial
INITIAL	✘	
DEVEL	✔	After all module is inspired by --skip-modules.

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CONFIG READ-ONLY

This module allows to lock any configuration changes done via the Drupal admin UI.

PRIMARY	✔	Using Drush or Config Synchronization web UI
SECONDARY	✔	Well.. Modules can subscribe the readonly event and alter the behaviour to let client create new configs, then let drush cim --partial do its work.
INITIAL	✖	
DEVEL	✖	

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CONFIG IGNORE

Keep some active configuration – otherwise been updated/delete – during Import.

PRIMARY	✔	drush cim/cex or Web UI
SECONDARY	✔	Ignore on drush cim or use drush cim --partial
INITIAL	✔	As long as initial config is imported together with its entity name in ignored_config_entities
DEVEL	✖	Config Ignore doesn't alter export

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DRUSH CMI TOOLS

Web VI CLI

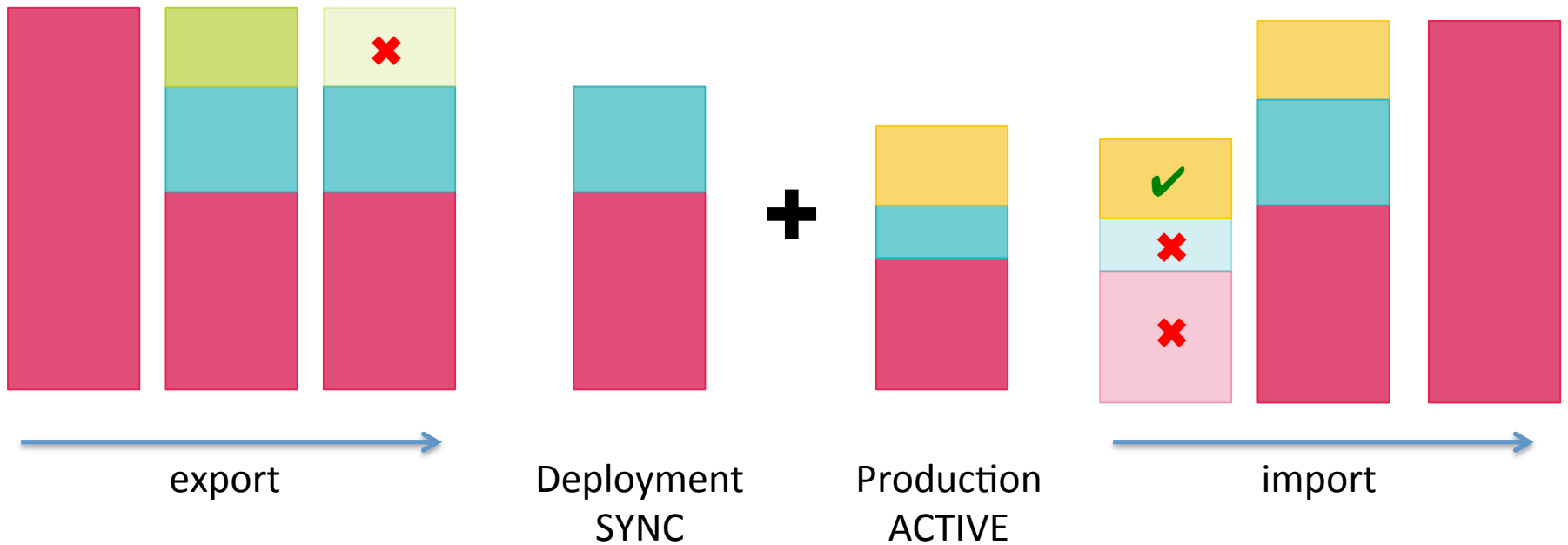Powerfull extension of drush cim/cex commands.

PRIMARY	✔	`drush cimy/cexy`, Additionally use `--delete-list=/path/config-delete.yml` if client **adds** config should not be there
SECONDARY	✔	`drush cimy` is same as `drush cim --partial`
INITIAL	✔	`drush cimy --install=/path/install-folder`
DEVEL	✔	`drush cexy --skip-modules=module,module --ignore-list=/path/ignore-list.yml`

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DON'T PANIC

There is a recap on next slides

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THE GOAL

export

Deployment
SYNC

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Production
ACTIVE

import

THE SOLUTIONS

	PRIMARY	SECONDARY	INITIAL	DEVEL	
Drush	✔	✔		✔*	CLI
Config Split	✔			✔	Web UI ¦ CLI
Config Read-Only	✔	✔*			
Config Ignore	✔	✔	✔		Web UI ¦ CLI
Drush CMI Tools	✔	✔	✔	✔	CLI

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THANK YOU

@gambry
@ManifestoLondon
@DrupalCampLDN
#Drupal

http://dgo.to/config_split
http://dgo.to/config_readonly
http://dgo.to/config_ignore
https://www.previousnext.com.au/blog/introducing-drush-cmi-tools