

Upgrade Your Configuration Management Workflow

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What is Configuration

- In Drupal, configuration is the collection of admin settings that determine how the site functions, as opposed to the content of the site. Configuration will typically include things such as the site name, the content types and fields, taxonomy vocabularies, and so on.

How does it work?

- Make a configuration change in a form
- Export the configuration
- Save your work to git
- Deploy your work
- Fix the UUID
- Import the configuration

Configuration Storage

- Configuration is YAML files right? Sort of!
- Database storage
- File-based storage
- Sync vs Active

Configuration Drawbacks

- Configuration is stored in the database
- Configuration cannot be easily edited
- Configuration can't easily be shared between developers
- Configuration can't easily be reused between sites
- Configuration **MUST** go through the import step

Import is Required?!

- Configuration in Drupal is responsible for making database schema changes
- Edits to the database are done during the import step.
- If you skip the import, your database can be missing columns or tables

So What's the Problem?

- The goals are:
 - Keep configuration in code
 - Keep code in sync with the database
 - Deploy configuration across environments
 - Share configuration with multiple programmers

Workflow Options

- Use the Drupal UI
- Use file-based configuration and Drush
- Use Drush
- Config Suite

The Drupal 8 UI

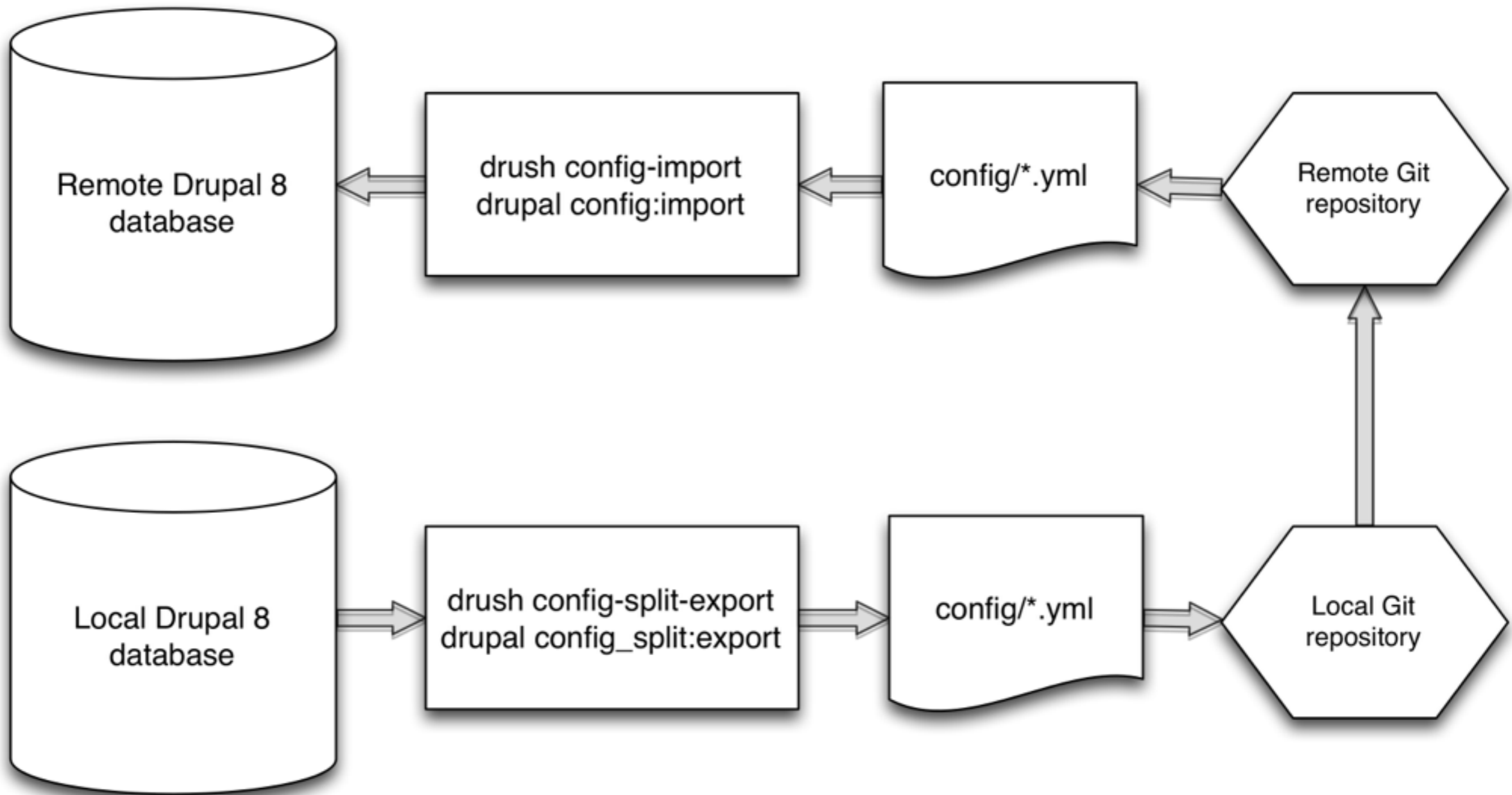
- Do we need a demo?

File-based Configuration Management

- Never use the same Active and Sync folders!
- File-based configuration management automatically exports configuration on save
- File-based configuration makes keeping your environments in sync easier
- The drawback is that import is always-always required

The Acquia Way

- `drush @sitename.local config-export vcs`
- `git add --all . && git commit -m "Add Authored on field to Content view"`
- `git push`
- `drush @sitename.test config-import vcs`



Thanks Ultimike for the slide

Ok, Ok. Config Suite

- https://www.drupal.org/project/config_suite
- Automatically import configuration on page load
- Automatically export configuration on save
- Share configuration between sites
- Save thousands of Drush commands per build

Prove it

- Show people Config Suite, Greg.

Config Suite Drawbacks

- You cannot review your code before import. So, review your code with git just like you do PHP.
- You can't not export something. If you make a change, your files update. So, use git to undo or ignore changes.

Config Suite Future

- Config Split? Maybe! https://github.com/Greg-Boggs/config_suite/pull/3
- Features overrides? Maybe!

Questions?

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