DDev "The" dev

Supercharge your day-to-day productivity, performance and efficiency

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YOUWE

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How/Why DDev?

!false
It's funny cause it's true

- Vagrant
- Custom docker
- Native
- Implementation docker composed solution **2 weeks** to get to a base
  - Included as a git submodule, great idea; never again
  - **2 weeks** to get integrated in all our projects (only Drupal 8 or 9)
  - Updates on docker base **1 week** each iteration
  - Mutagen support took **1 week**
    - Old slow macs with no HD space
- New mac M1 chip problems
  - ddev first implementation **4 hours**
    - 15 GB DB, multisite, SOLR multicore
  - ddev figure out how to configure 2 SOLR cores – **4 hours**
  - Rollout to all projects in **1 week** and even Drupal 7 projects!
    - Yeah, we still have those
  - No more git submodule, ddev base updates are not a pain anymore
    - Project specific

Operational scripts

DRY – unless you must

- Updates and Repetitive tasks

- Need for abstraction

- Project's Greatest Common Divisors (PGCD)

- Managing expectation of outcomes

Some numbers

	Native	DDEV & Mac M1
Kickstarter installation (initial commit)	4 hours	5 min
Security update (core)/ Test release	1 hour	30 min
Setup headless project	1 week	2 hours

Lessons learned

"For the things we have to learn before we can do them, we learn by doing them."—Aristotle

- Keep yourself humble
  - Being open to change when there are good arguments is the path to improvement
- Thursday is not anymore the most feared day of the week
  - ddev update --core
- When the implementation is easy, you get more people to embrace it
- We have an awesome team
  - The integration of DDEV was rolled out within a week in all our projects due to the commitment of the whole team

Demo time!

Tiny bit of theory first

config.yaml


```
 ~/Sites/_drupaljam/ddev-demo    main        2204  30
 ddev config --project-type=drupal9 --docroot=web --create-docroot --project-name=ddevdemo --php-version=8.0 --database=mysql:8.0 --mutagen-enabled=true
```

```
3        docroot: web
```

```
 ~/Sites/_drupaljam/ddevdemo-drupaljam
 ddev config
Creating a new ddev project config in the current directory (/Users/eescribano/Sites/_drupaljam/ddevdemo-drupaljam)
Once completed, your configuration will be written to /Users/eescribano/Sites/_drupaljam/ddevdemo-drupaljam/.ddev/config.yaml

Project name (ddevdemo-drupaljam):

The docroot is the directory from which your site is served.
This is a relative path from your project root at /Users/eescribano/Sites/_drupaljam/ddevdemo-drupaljam
You may leave this value blank if your site files are in the project root
Docroot Location (current directory):
Found a php codebase at /Users/eescribano/Sites/_drupaljam/ddevdemo-drupaljam.
Project Type [backdrop, drupal10, drupal6, drupal7, drupal8, drupal9, laravel, magento, magento2, php, shopware6, typo3, wordpress] (php): drupal9
Ensuring write permissions for ddevdemo-drupaljam
No settings.php file exists, creating one
Existing settings.php file includes settings.ddev.php
Configuration complete. You may now run 'ddev start'.
```

```
17        use_dns_when_possible: true
18        composer_version: "2"
19        web_environment: []
20        nodejs_version: "16"
```

config.yaml

```
 ~/Sites/_drupaljam/ddev-demo
ddev config --mutagen-enabled=true
```

```
1   name: demo
2   type: drupal9
3   docroot: web
4   php_version: "8.0"
5   webserver_type: nginx-fpm
6   router_http_port: "80"
7   router_https_port: "443"
8   xdebug_enabled: false
9   additional_hostnames:
10  - umami
11  additional_fqdns: []
12  database:
13    type: mysql
14    version: "8.0"
15  nfs_mount_enabled: false
16  mutagen_enabled: true
17  use_dns_when_possible: true
18  composer_version: "2"
19  web_environment: []
20  nodejs_version: "16"
21
```

mutagen.yml

```yaml
#ddev-generated
# To override this file remove the line above
# and add your own configuration. If you override it you will
# probably want to check it in.
# See ddev mutagen docs at
# https://ddev.readthedocs.io/en/latest/users/performance/#using-mutagen
# For detailed information about mutagen configuration options, see
# https://mutagen.io/documentation/introduction/configuration
sync:
  defaults:
    mode: "two-way-resolved"
    stageMode: "neighboring"
    ignore:
      paths:
        # The top-level .git directory is ignored because where possible it's mounted
        # into the container with a traditional docker bind-mount
        - "/.git"

        - "/.tarballs"
        - "/.ddev/db_snapshots"
        - "/.ddev/.importdb*"
        - ".DS_Store"
        - ".idea"


        - "/web/sites/default/files"



        # You can also exclude other directories from mutagen-syncing
        # For example /var/www/html/var does not need to sync in TYPO3
        # so you can add:
        # - "/var"
        # vcs like .git can be ignored for safety, but then some
        # composer operations may fail if they use dev versions/git.
        # vcs: true
    symlink:
      mode: "posix-raw"
```

docker-compose.solr.yaml

```yaml
version: '3.6'
services:
  solr:
    container_name: ddev-${DDEV_SITENAME}-solr
    image: solr:8
    restart: "no"
    ports:
      - 8983
    labels:
      com.ddev.site-name: ${DDEV_SITENAME}
      com.ddev.approot: $DDEV_APPROOT
    environment:
      - VIRTUAL_HOST=$DDEV_HOSTNAME
      - HTTP_EXPOSE=8983:8983
    volumes:
      - solr:/opt/solr
      - .:/mnt/ddev_config
      - ./solr-demo:/solr-demo-conf
      - ./solr-umami:/solr-umami-conf
      - "./solr/solr-configupdate.sh:/docker-entrypoint-initdb.d/solr-configupdate.sh"
    entrypoint: [ "sh", "-c", "docker-entrypoint.sh precreate-core demo /solr-demo-conf; docker-entrypoint.sh precreate-core umami /solr-umami-conf; exec solr -f" ]
    external_links:
      - "ddev-router:${DDEV_SITENAME}.${DDEV_TLD}"
  web:
    links:
      - solr:solr

volumes:
  solr:
```

docker-compose.redis.yaml
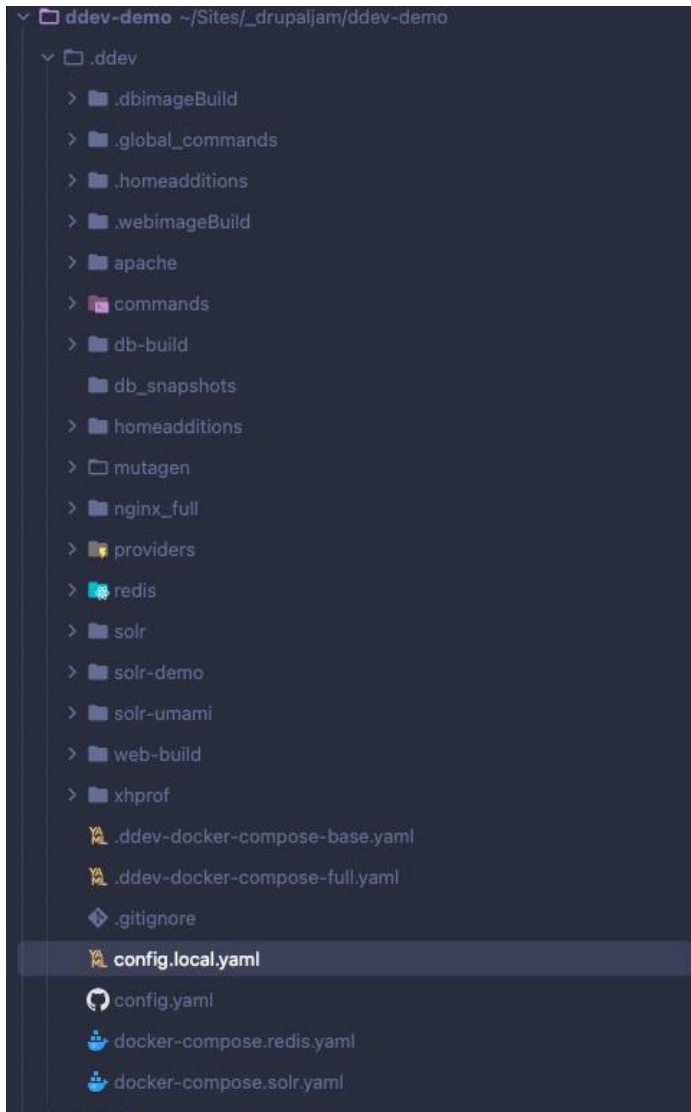
```
  1    # ddev redis recipe file
  2    #
  3    version: "3.6"
  4
  5 ▶▶  services:
  6  ▶     redis:
```

```
 ~/Sites/_drupaljam/ddev-demo    main
 ddev get drud/ddev-redis
Downloading https://api.github.com/repos/drud/ddev-redis/tarball/v1.0.1
v1.0.1_3222580565.tar.gz 7.76 KiB / ? [----------------------------------=--------------------------------------
Installed file /Users/eescribano/Sites/_drupaljam/ddev-demo/.ddev/docker-compose.redis.yaml
Installed file /Users/eescribano/Sites/_drupaljam/ddev-demo/.ddev/redis
Installed file /Users/eescribano/Sites/_drupaljam/ddev-demo/.ddev/commands/redis
Executed post-install action redis/scripts/setup-drupal-settings.sh.
Downloaded add-on drud/ddev-redis, use `ddev restart` to enable.
Please read instructions for this addon at the source repo at
https://github.com/drud/ddev-redis
Please file issues and create pull requests there to improve it.
```

```
 16          - ./redis:/usr/local/etc/redis
 17          command: ["redis-server", "/usr/local/etc/redis/redis.conf"]
 18  ▶   web:
 19        depends_on:
 20          - redis
 21        links:
 22          - redis:redis
 23   |
```

Not a mac person? We've got you!

config.local.yaml

```
ddev-demo ~/Sites/_drupaljam/ddev-demo
  .ddev
    .dbimageBuild
    .global_commands
    .homeadditions
    .webimageBuild
    apache
    commands
    db-build
    db_snapshots
    homeadditions
    mutagen
    nginx_full
    providers
    redis
    solr
    solr-demo
    solr-umami
    web-build
    xhprof
    .ddev-docker-compose-base.yaml
    .ddev-docker-compose-full.yaml
    .gitignore
    config.local.yaml
    config.yaml
    docker-compose.redis.yaml
    docker-compose.solr.yaml
```

```
1    mutagen_enabled: false
2    |
```

Demo

Q&A

Q&A

Thank you!

Resources

https://github.com/eescribanoc/ddev-demo
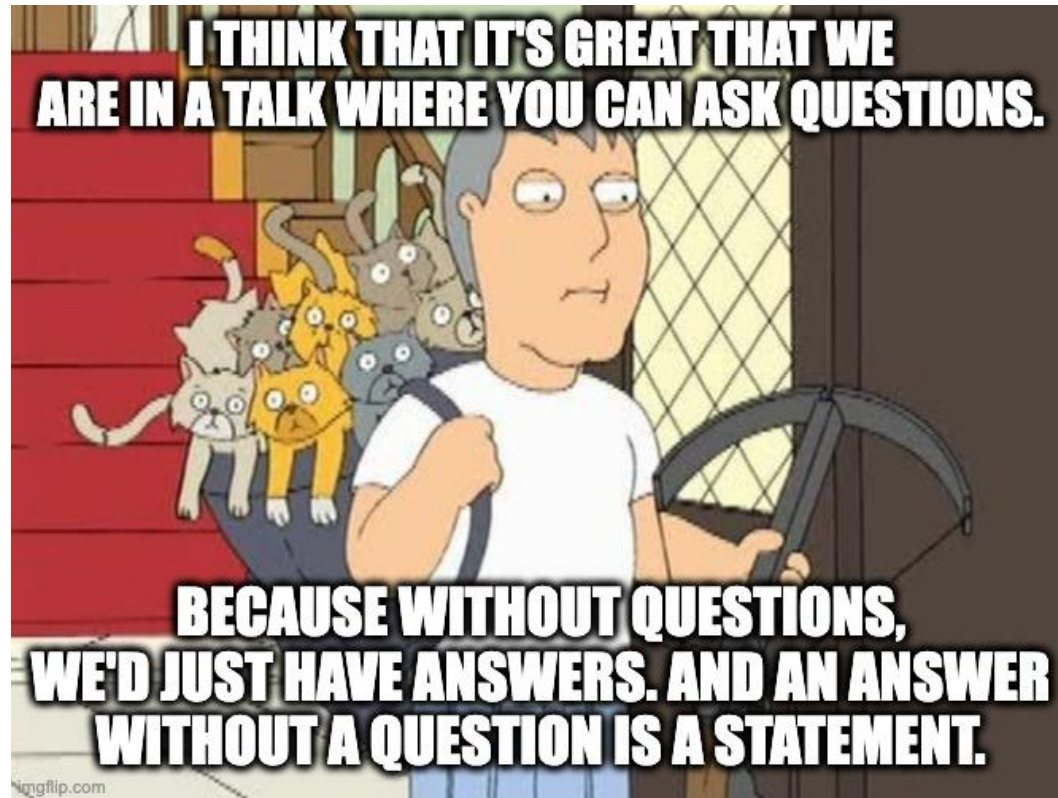
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