Strix

Why Standards Matter

How We Unified our Setups to Save Time and Foster Growth

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We are Strix

We are pushing boundaries in digital commerce

3

NEW

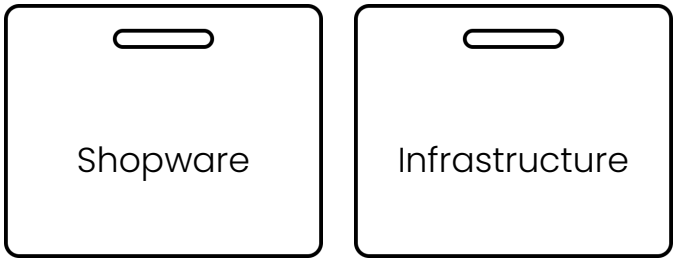
Project

NEW

Project

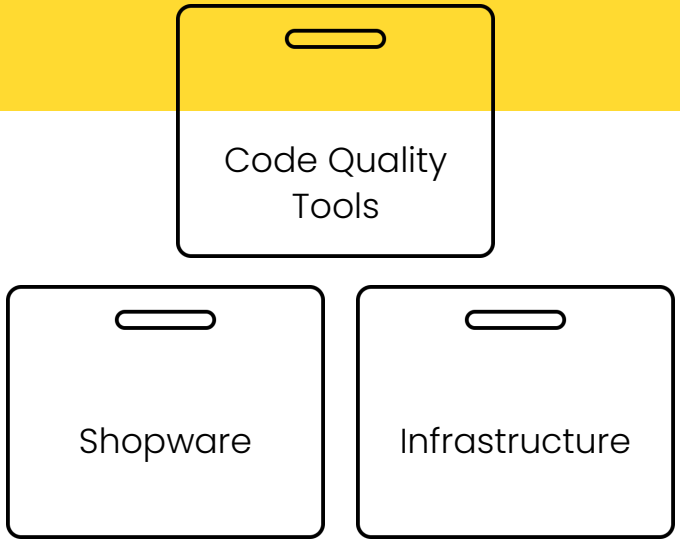
NEW

Project



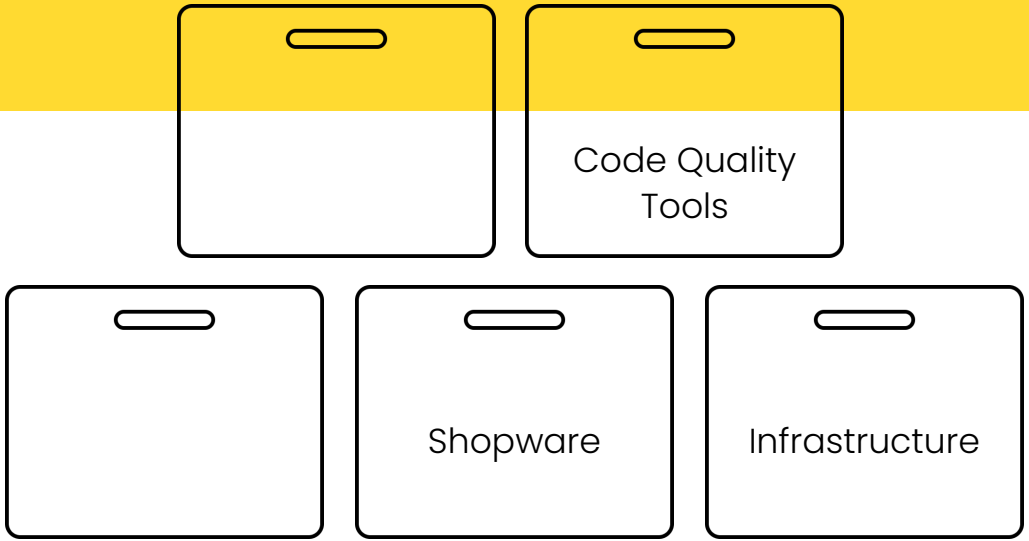
NEW

Project



NEW

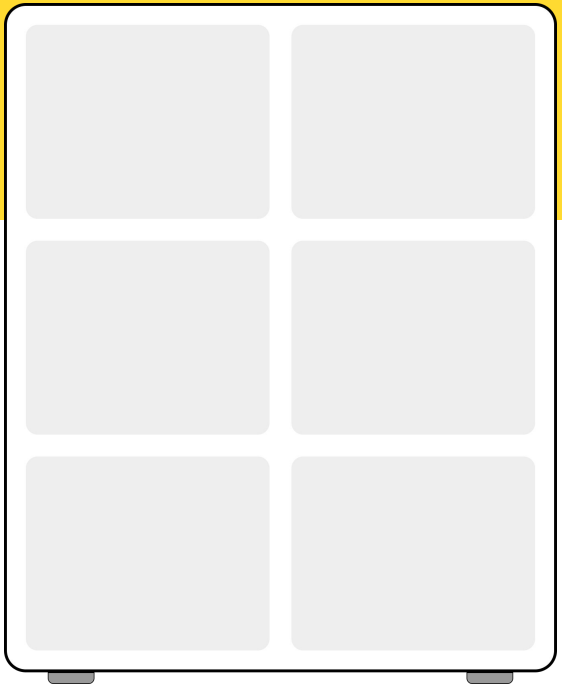
Project



Let’s clean up

Introducing Standards

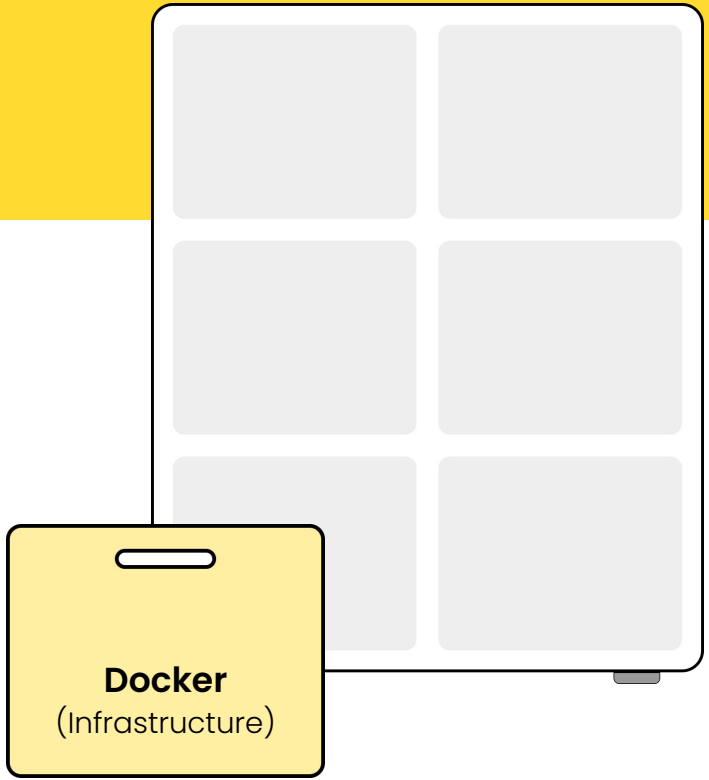
- One foundation for all projects
- A base set of tools and helpers
- Easy to use in daily project life
- Maintainable and upgradable



Docker

Dockware as the Standard

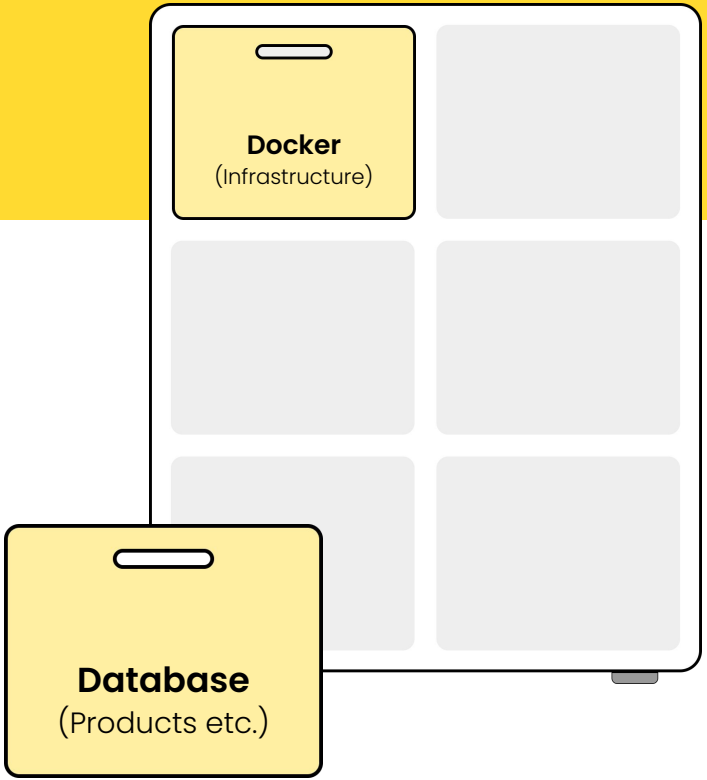
- All projects run on dockware 💛
- Quick and consistent setup
- Added preconfigured environment files
- Also used in github workflows for integration tests



Database

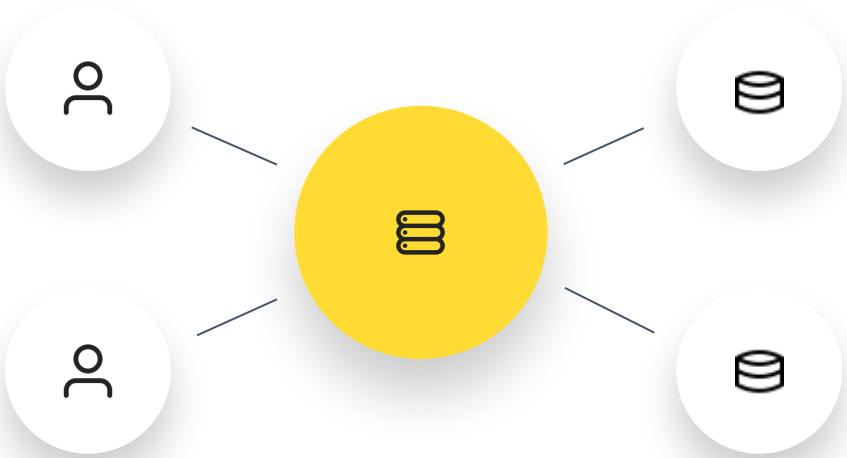
Using the Client database for local development

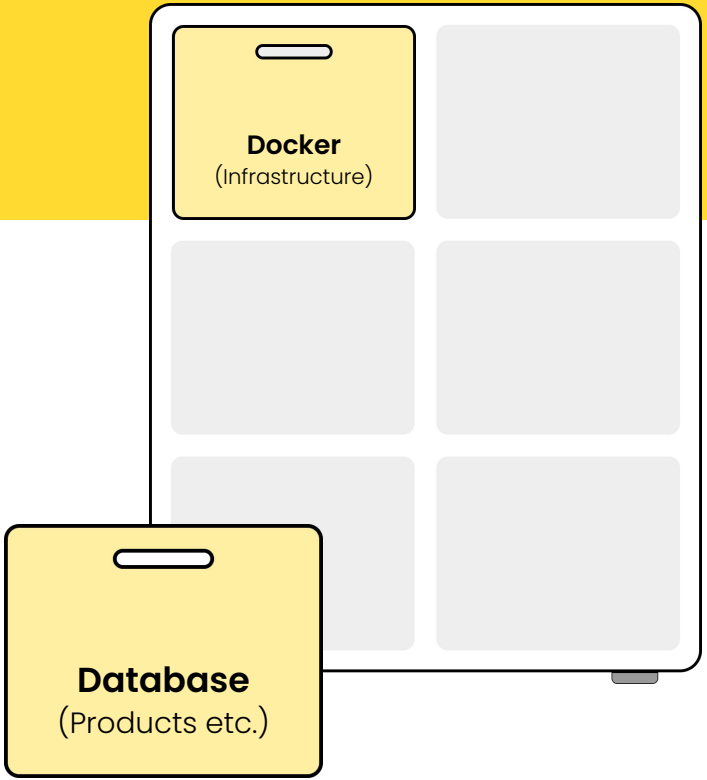
- Database dumps are created daily or on demand
- Data anonymized automatically by *gdpr-dump*
- Proxy server for database downloads



Database

Proxy Server

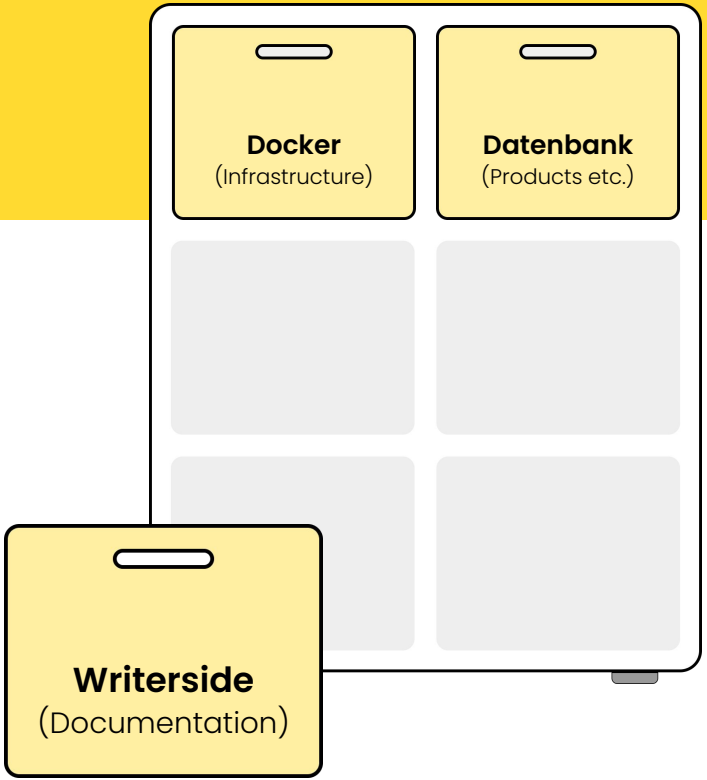




Technical Documentation

Writerside

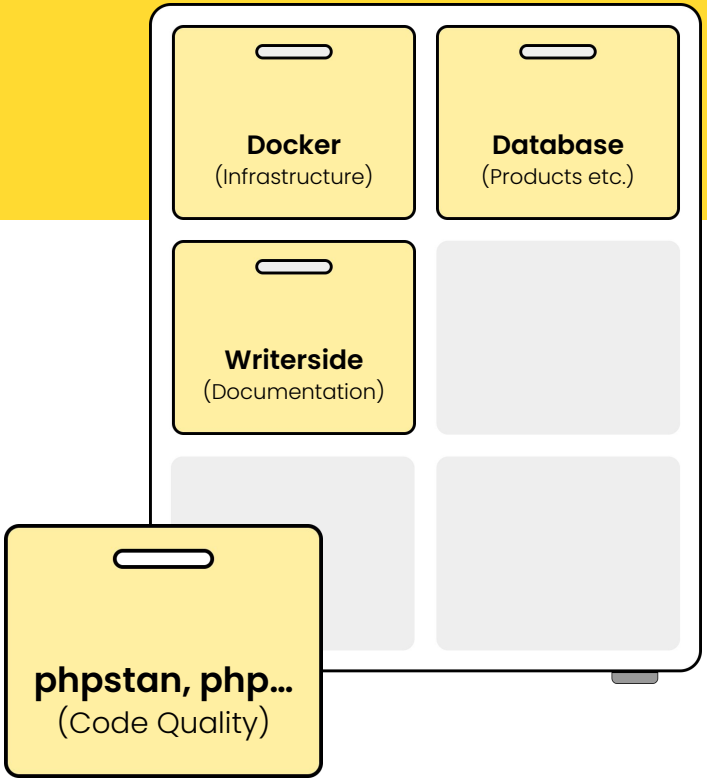
- Unified technical documentation in one tool
- Documentation templates can be used
- Automatic deployment of documentation
- Encourage knowledge exchange



Quality Assurance

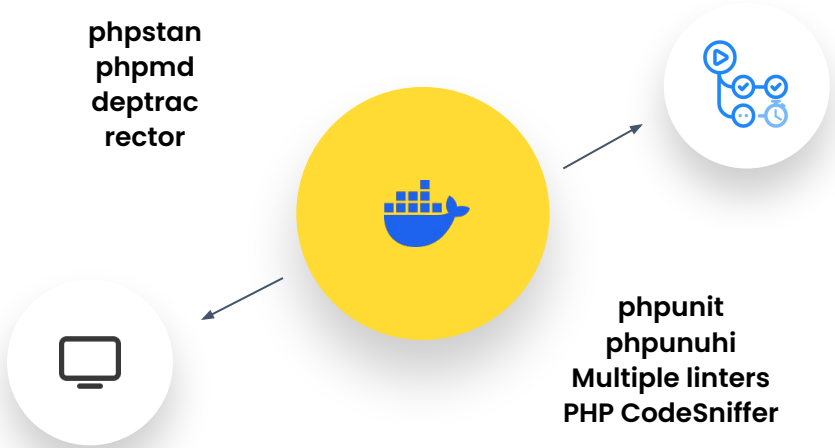
Containerized QA

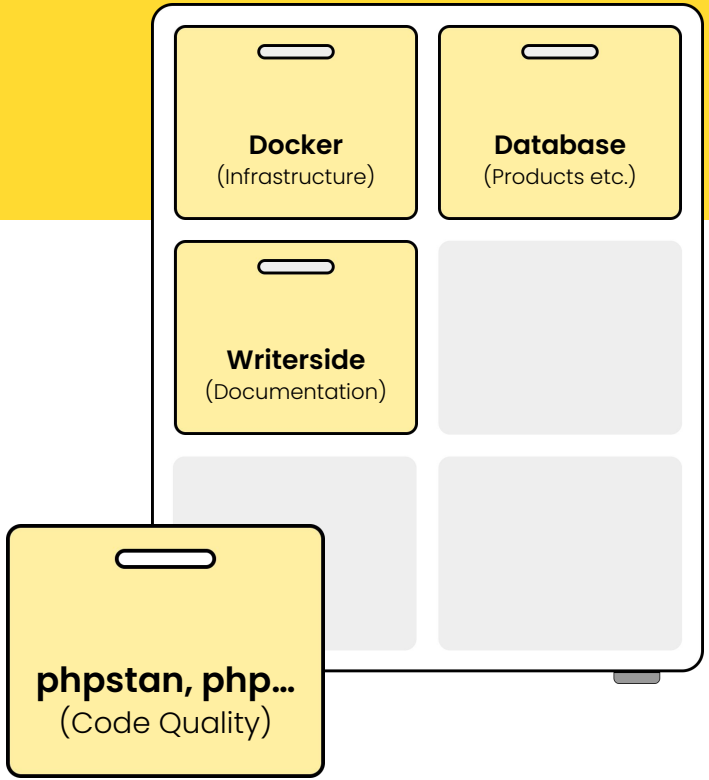
- Decided on a base set of QA tools
- Defined standard configuration
- Running inside docker container



Quality Assurance

Containerized QA

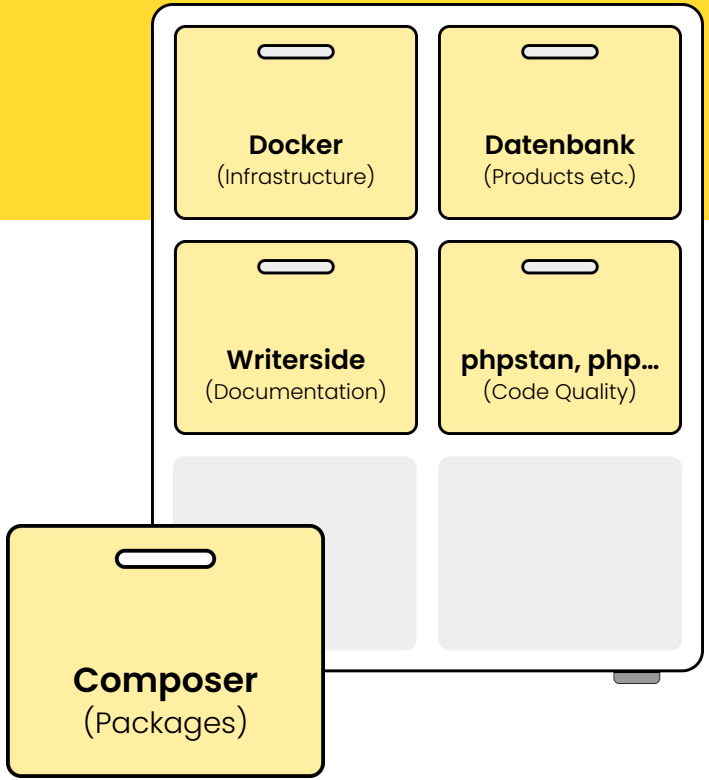




Package Management

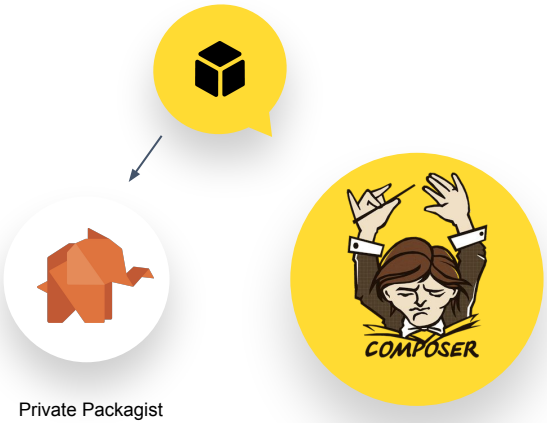
Component based development

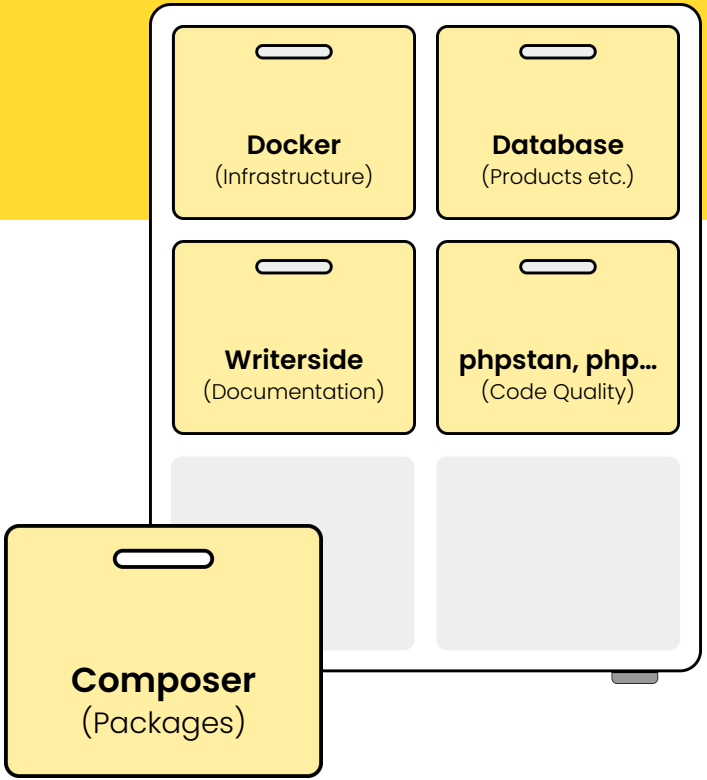
- Introduced private packagist
- Development helpers now come pre installed
- Automatic configuration with *symfony/flex*
- **Requires mindset shift in development**



symfony/flex

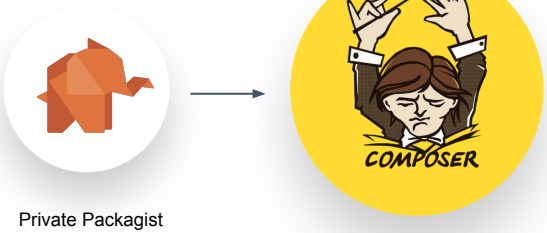
How it works





symfony/flex

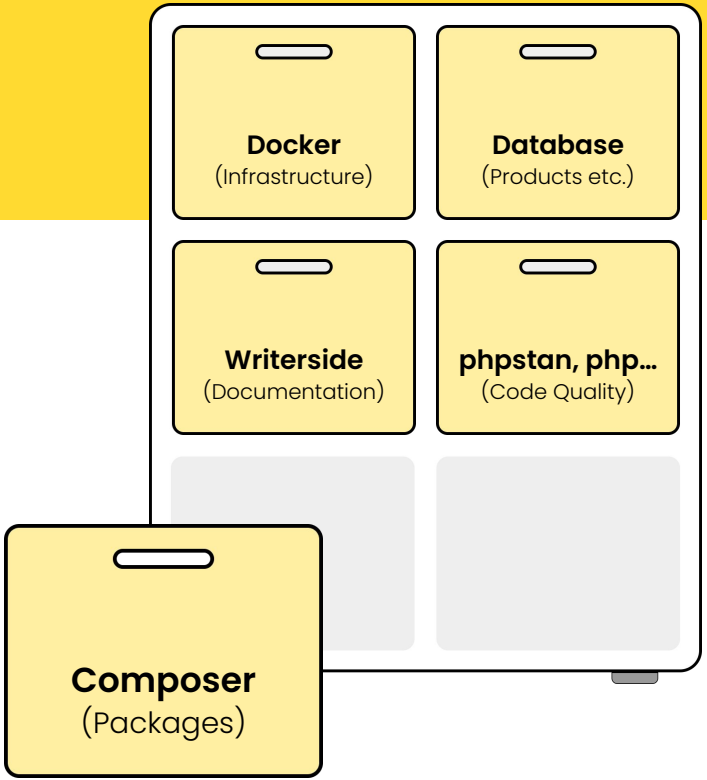
How it works



Private Packagist

Symfony

Recipes



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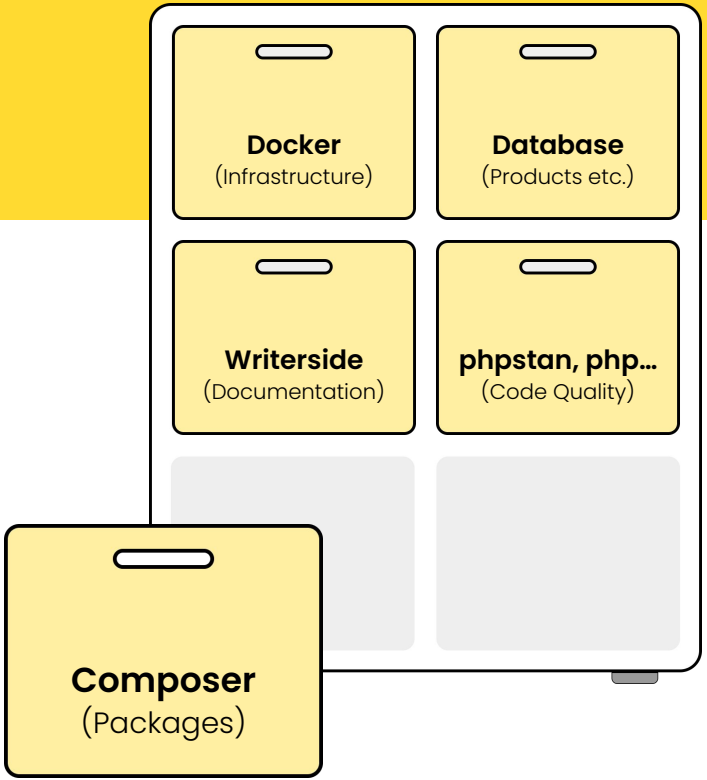

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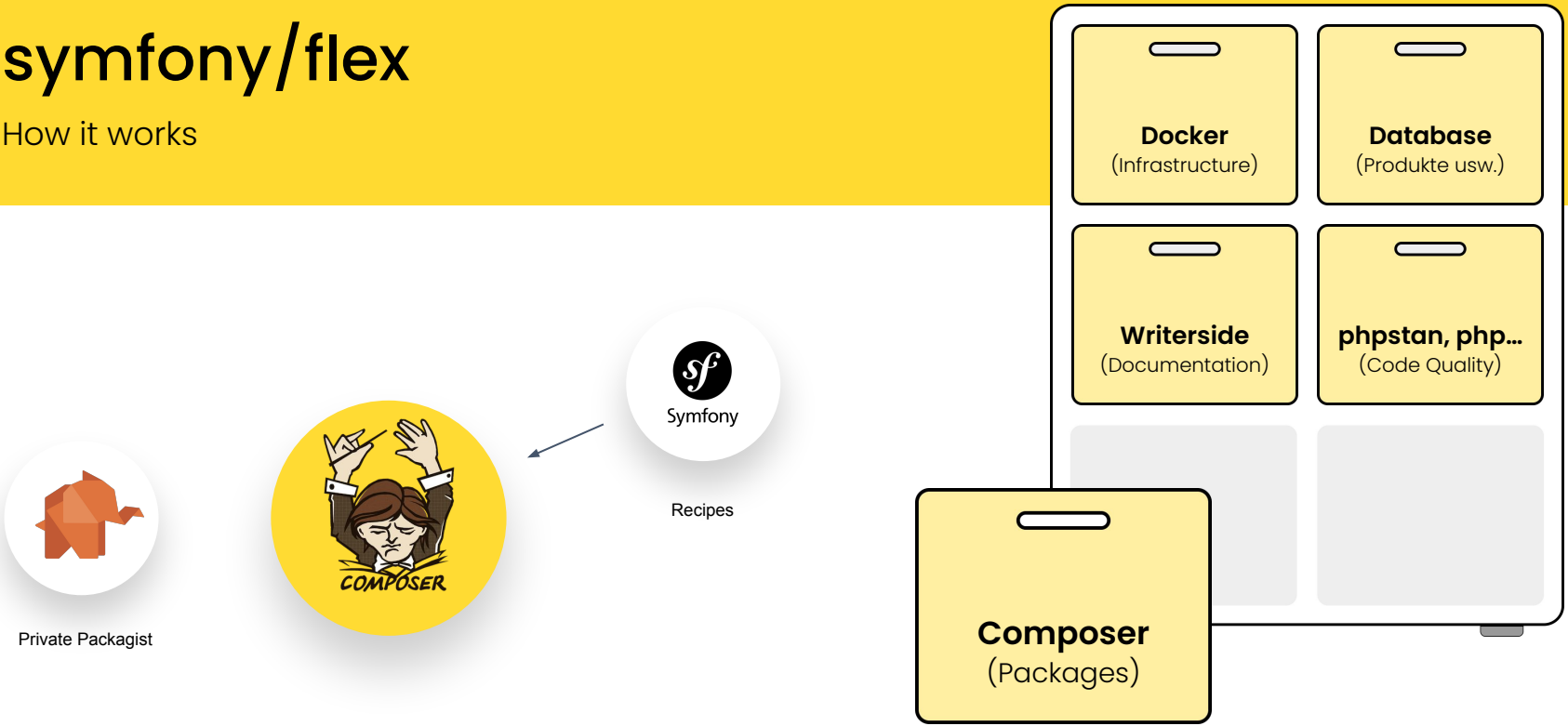
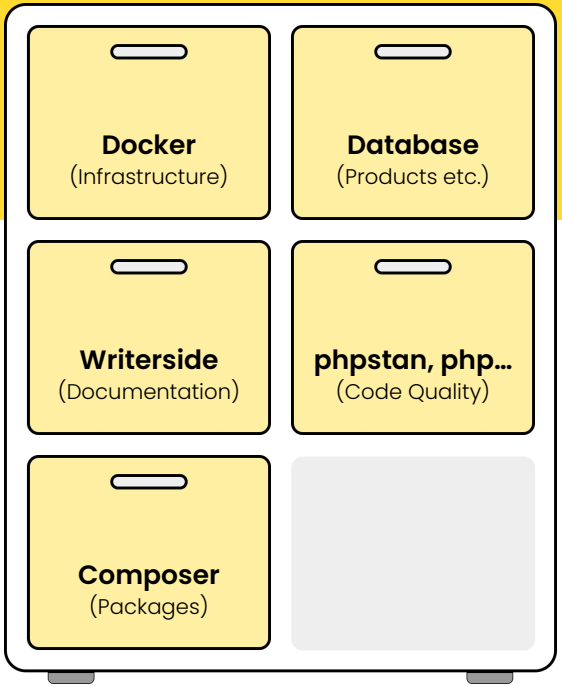


Shopware Project Skeleton

That's it, right?

- Adding some scripts to start the setup
- Skeleton Template combines all standards
- New projects are created from github template
- Existing projects need to be migrated once

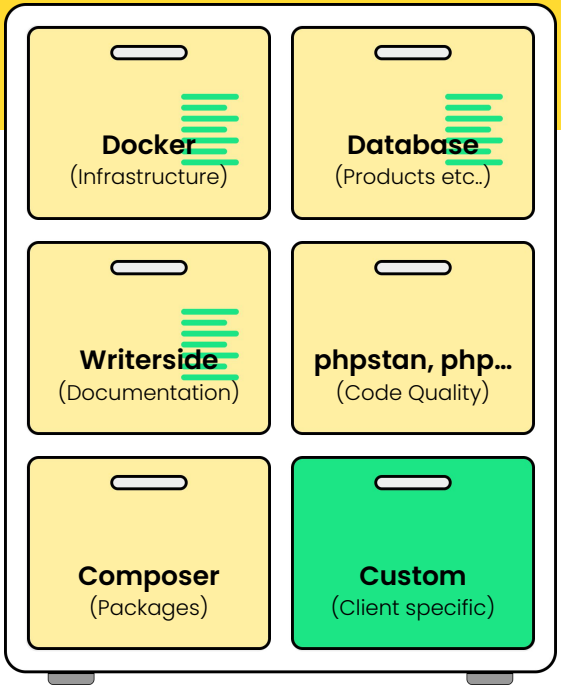


Projects evolve individually

Projects evolve individually

We need an upgrade path!

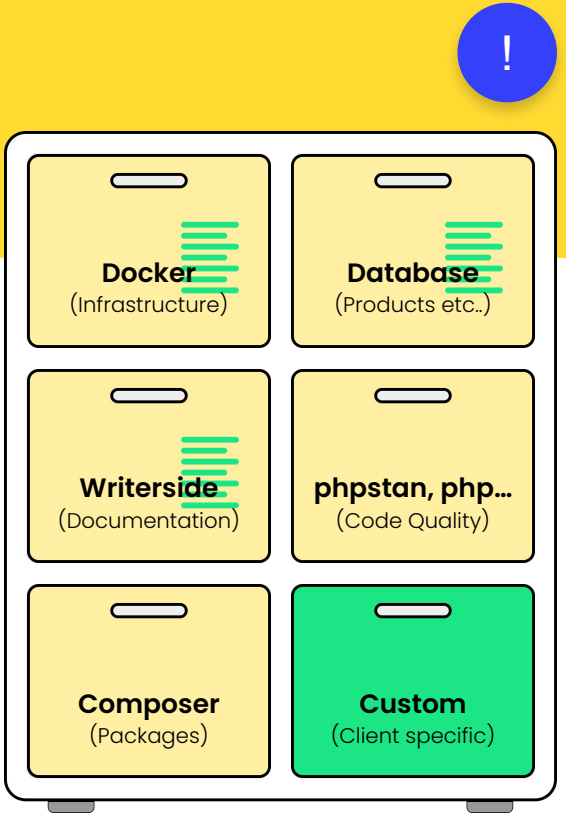
- Custom Config & Code is added
- Setups are adjusted to project needs
- Currently: Manual Upgrade Path
- **How to prevent falling into old patterns?**



Modularity

Configuration based on flex recipes

- Split up the skeleton into components
- Based on composer meta packages
- Created flex recipes for all components
- Updates via *composer recipes:update*



```
{
  "name": "strix/skeleton-dev-ops-shopware",
  "type": "metapackage",
  "require": {
    "php": ">=8.1",
    "phpmd/phpmd": "^2.15",
    "phpstan/phpstan": "^2.1.2",
    "symfony/dependency-injection": "^7.0.10",
    "phpstan/phpstan-doctrine": "^2.0.1",
    "phpstan/extension-installer": "^1.4.3",
    "squizlabs/php_codesniffer": "^3.8",
    "slevomat/coding-standard": "^8.14.1",
    "qossmic/deptrac-shim": "^1.0.2",
    "rector/rector": "^2.0.7",
    "frosh/shopware-rector": "^0.5.1",
    "boxblinkracer/phpunuhi": "^1.21"
  },
  "conflict": {
    "shopware/core": "*"
  }
}
```

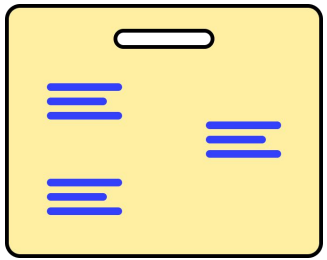
```
{
  "copy-from-recipe": {
    "github/": ".github/",
    "src/": "src/"
  },
  "docker-compose": {
    "docker-compose.yml": {
      "services": [
        "qa:",
        "  build:",
        "    context: dev-ops/docker/qa",
        "    args:",
        "      - PHP_VERSION=${PHP_VERSION:-8.4}",
        "  tty: true",
        "  working_dir: /app/",
        "  volumes:",
        "    - './:/app/'"
      ]
    }
  },
  "composer-commands": {
    "auto-config-validate": "./tools/auto-config-validate",
    "deptrac": "./tools/deptrac",
    "phpcs": "./tools/phpcs",
    "qa": ["@deptrac", "@phpcs", "@phpmd", "@phpstan", "@phpunuhi", "@rector"],
    "qa-integration": ["@qa", "@auto-config-validate", "@phpunit", "@twiglint"]
  }
}
```

Applying Recipe Updates

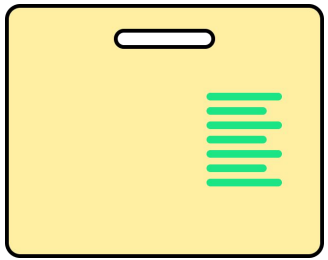
Comparing versions

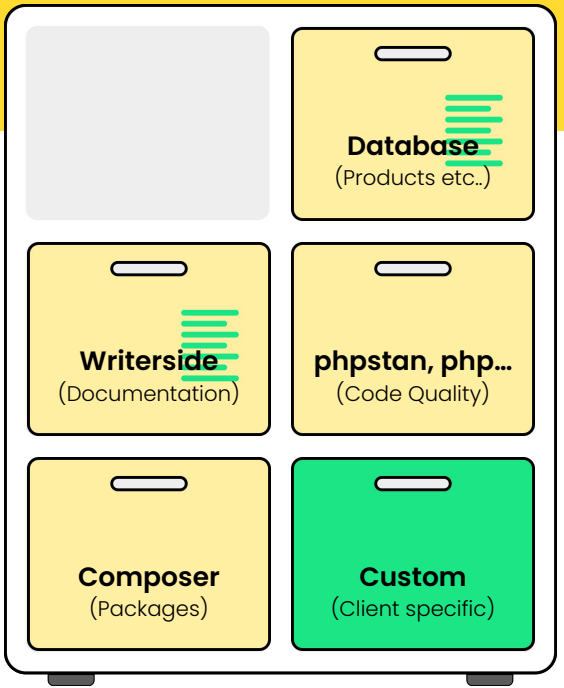
composer recipes:update

Skeleton Update



Version Client

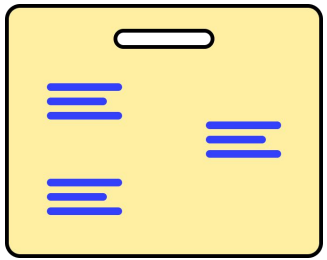




Applying recipe updates

Merging changes

Skeleton Update



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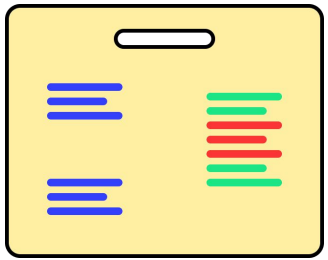
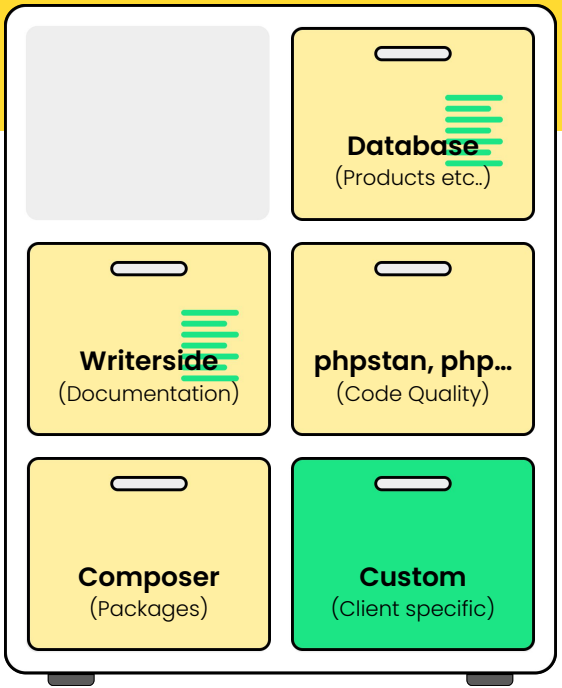


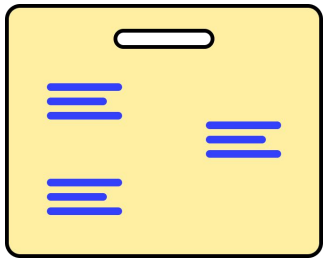


Applying recipe updates

Update applied

git commit

Skeleton Update



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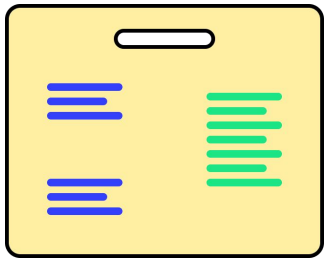
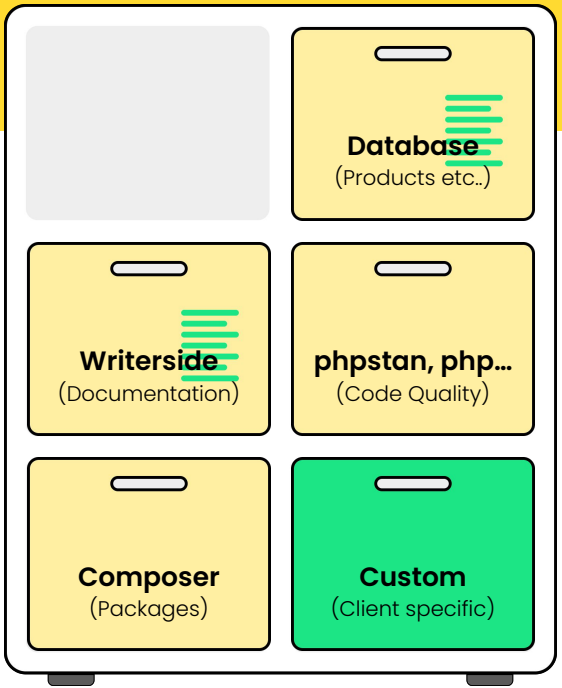
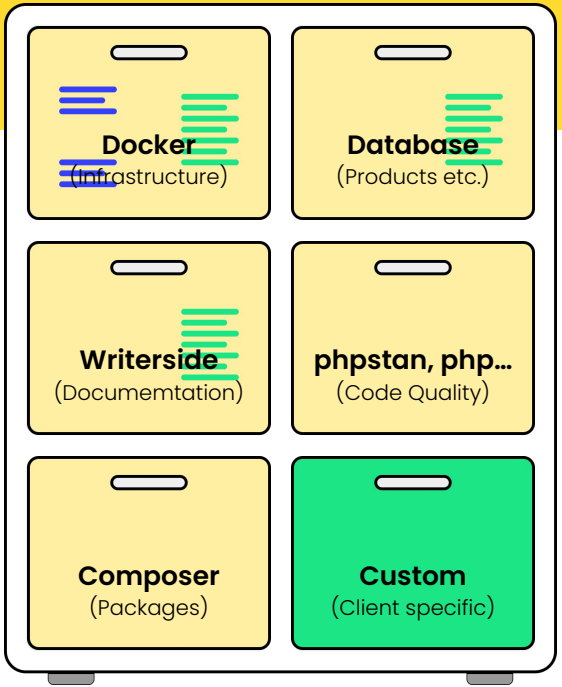




Wrap Up

What did we achieve?

- Stable foundation for new and existing projects
- Switching between projects made easy
- Component based and upgradable
- **Allows developers to focus on what really matters**



Strix

Let’s talk

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