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1 Audit de performance

1.1 Introduction

Cette audit de performances a été réalisé sur chaque route local et dans un environnement de production.

Dans cette configuration, les tests ne sont pas perturbés par une configuration spécifique d'un hébergeur ou encore par des composants de développement tel que le profiler symfony.

1.2 Les routes

```
root@354d8b6d6f67:/app/p8# php bin/console debug:router
```

Name	Method	Scheme	Host	Path
homepage	ANY	ANY	ANY	/
login	ANY	ANY	ANY	/login
logout	GET	ANY	ANY	/logout
task_list	ANY	ANY	ANY	/tasks
task_create	ANY	ANY	ANY	/tasks/create
task_edit	ANY	ANY	ANY	/tasks/{id}/edit
task_toggle	ANY	ANY	ANY	/tasks/{id}/toggle
task_delete	ANY	ANY	ANY	/tasks/{id}/delete
user_list	ANY	ANY	ANY	/users
user_create	ANY	ANY	ANY	/users/create
user_edit	ANY	ANY	ANY	/users/{id}/edit

1.3 Les analyses de performances

1.3.1 /

200 GET http://localhost/

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   0 rq 174 ms 3.43 ms 170 ms 13.6 MB 794 B 0 µs / 0 rq 496 µs / 1 rq Timeline

	Composer\Autoload\includeFile		208
	Composer\Autoload\includeFile@1		133
	compile::composer/autoload_static.php		1
	Composer\Autoload\includeFile@2		56
	Container63oWWZa\App_KernelProdContainer::load		17
	{closure}::event-dispatcher/EventDispatcher.php/265-271		21
	Composer\Autoload\includeFile@3		29
	base.html.twig::doDisplay		1
	Container63oWWZa\App_KernelProdContainer::load@1		9
	compile::Mapping/ClassMetadataInfo.php		1
	composerRequire11698e7f2d7c7e6815cb773729007093		14
	Composer\Autoload\ClassLoader::loadClass		209
	compile::ORM/UnitOfWork.php		1
	compile::Assert/Functions.php		1
	...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do		2
	compile::http-foundation/Request.php		1
	compile::Container63oWWZa/App_KernelProdContainer.php		1
	compile::Entity/BasicEntityPersister.php		1
	...pKernel\EventListener\AbstractSessionListener::onKernelResponse		1
	compile::Platforms/AbstractPlatform.php		1
	...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor		7
	Symfony\Bundle\FrameworkBundle\Routing\Router::generate		6
	Symfony\Component\Dotenv\Dotenv::doLoad		1
	spl_autoload_call		210
	...rine\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateAllData		1
	Composer\Autoload\ClassLoader::loadClass@1		133
	compile::Extension/CoreExtension.php		1
	Container63oWWZa\get_Container_Private_TwigService::do		1
	Symfony\Component\Runtime\SymfonyRuntime::getRunner		1

1.3.2 /login

302 POST http://localhost/login

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0 rq 674 ms 1.96 ms 672 ms 12.6 MB 0.813 kB 0 µs / 0 rq 594 µs / 1 rq Timeline



















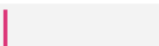





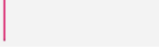



	password_verify	1
	Composer\Autoload\includeFile	194
	Composer\Autoload\includeFile@1	128
	Composer\Autoload\includeFile@2	56
	{closure}::event-dispatcher/EventDispatcher.php/265-271	20
■	run_init::vendor/autoload_runtime.php	1
■	compile::composer/autoload_static.php	1
	Container63oWWZa\App_KernelProdContainer::load	18
	...serAutoloaderInit11698e7f2d7c7e6815cb773729007093::getLoader	1
	{closure}::event-dispatcher/EventDispatcher.php/265-271@1	7
	...Http\Authentication\AuthenticatorManager::executeAuthenticator	1
■	compile::ORM/UnitOfWork.php	1
	Container63oWWZa\App_KernelProdContainer::load@1	8
	...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
■	compile::Mapping/ClassMetadataInfo.php	1
■	compile::Platforms/AbstractPlatform.php	1
	Doctrine\ORM\EntityManager::__construct	1
	Composer\Autoload\ClassLoader::loadClass	195
■	compile::Entity/BasicEntityPersister.php	1
	Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load	1
■	spl_autoload_call	196
	...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor	5
	Container63oWWZa\App_KernelProdContainer::load@2	2
	...urity\Http\EventListener\CheckCredentialsListener::checkPassport	1
■	run_init::prod/App_KernelProdContainer.php	1
■	compile::http-foundation/Response.php	1
■	compile::ORM/AbstractQuery.php	1
	Composer\Autoload\ClassLoader::loadClass@1	128
	...thentication\AuthenticatorManager::handleAuthenticationSuccess	1

1.3.3 /logout

302 GET http://localhost/logout

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php 0 rq 148 ms 3.7 ms 144 ms 12.3 MB 794 B 0 µs / 0 rq 594 µs / 1 rq Timeline

	Composer\Autoload\includeFile		173
	Composer\Autoload\includeFile@1		118
	Composer\Autoload\includeFile@2		55
■	compile::composer/autoload_static.php		1
	Container63oWWZa\App_KernelProdContainer::load		15
	{closure}::event-dispatcher/EventDispatcher.php/265-271		20
	Composer\Autoload\includeFile@3		29
	...pKernel\EventListener\AbstractSessionListener::onKernelResponse		1
	composerRequire11698e7f2d7c7e6815cb773729007093		14
■	compile::Assert/Functions.php		1
	Container63oWWZa\App_KernelProdContainer::load@1		8
■	compile::ORM/UnitOfWork.php		1
■	PDO::__construct		1
	...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do		2
	Doctrine\ORM\EntityManager::__construct		1
	{closure}::event-dispatcher/EventDispatcher.php/265-271@1		3
■	compile::Entity/BasicEntityPersister.php		1
	Symfony\Component\HttpFoundation\ResponseHeaderBag::set		9
■	compile::Mapping/ClassMetadataInfo.php		1
	Composer\Autoload\ClassLoader::loadClass		174
■	compile::Platforms/AbstractPlatform.php		1
	Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load		1
■	run_init::vendor/autoload_runtime.php		1
■	compile::error-handler/ErrorHandler.php		1
■	compile::http-foundation/Request.php		1
■	spl_autoload_call		175
	Composer\Autoload\ClassLoader::loadClass@4		13
	...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor		7
	...63oWWZa\getSecurity_Authenticator_FormLogin_MainService::do		1

1.3.4 /tasks

200 GET http://localhost/tasks

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php 0 rq 448 ms 247 ms 201 ms 14.2 MB 1.68 kB 0 µs / 0 rq 3.59 ms / 2 rq Timeline

Composer\Autoload\includeFile	223
compile::G/t9DtvZXTMJQ3 De4g9pg	1
Composer\Autoload\includeFile@1	138
compile::Container63oWWZa/getTaskControllerService.php	1
compile::Repository/UserRepository.php	1
compile::Controller/TaskController.php	1
compile::X/za3rKcsskyYbnq2fdU g	1
...pile::Container63oWWZa/get_ServiceLocator_0SbocZ8Service.php	1
compile::Mapping/Table.php	1
compile::Repository/TaskRepository.php	1
is_file	17
compile::Container63oWWZa/getTaskRepositoryService.php	1
compile::composer/autoload_static.php	1
Composer\Autoload\includeFile@2	57
Container63oWWZa\App_KernelProdContainer::load	21
{closure}::event-dispatcher/EventDispatcher.php/265-271	21
compile::Container63oWWZa/getUserRepositoryService.php	1
Twig\Cache\FilesystemCache::load	2
Composer\Autoload\includeFile@3	29
Doctrine\ORM\UnitOfWork::createEntity(...)	5
composerRequire11698e7f2d7c7e6815cb773729007093	14
compile::Extension/CoreExtension.php	1
compile::ORM/UnitOfWork.php	1
compile::Entity/BasicEntityPersister.php	1
Container63oWWZa\App_KernelProdContainer::load@1	10
compile::Mapping/ClassMetadataInfo.php	1
twig_get_attribute	58
PDO::query(...)	1
Composer\Autoload\ClassLoader::loadClass	224

1.3.5 /tasks/create

302 POST http://localhost/tasks/create

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php (x) | ⚠️ | ↶ 0 rq | ⌚ 784 ms | ⬆️ 221 ms | 💎 563 ms | 📄 18.8 MB | 📦 1 kB | ⌚ 0 µs / 0 rq | ⌚ 4.91 ms / 2 rq | 📅 Timeline

	Composer\Autoload\includeFile	314
■	compile::Mapping/MappingException.php	1
	Composer\Autoload\includeFile@1	191
	mkdir	144
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch	162
■	compile::src/Statement.php	1
■	compile::M/EXZJM6mT5ArTSORRPe1w	1
■	compile::Event/PreSubmitEvent.php	1
■	compile::Y/ guqLdMIFuLFzBZr71lg	1
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::write	159
■	compile::Event/TransactionBeginEventArgs.php	1
	Container63oWWZa\App_KernelProdContainer::load	30
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::getFile	321
	Composer\Autoload\includeFile@2	69
	Container63oWWZa\App_KernelProdContainer::load@1	14
■	compile::Common/EventArgs.php	1
	{closure}::event-dispatcher/EventDispatcher.php/265-271	21
■	compile::composer/autoload_static.php	1
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::doSave	159
■	...e\Common\Annotations\AnnotationReader::getMethodAnnotations	82
	Symfony\Component\PropertyInfo\PropertyInfoExtractor::extract	47
	fopen(...)	105
	Doctrine\Common\Annotations\DocLexer::getType	993
	Symfony\Component\VarExporter\VarExporter::export	117
	Doctrine\Common\Annotations\DocParser::Annotation	115
■	run_init::vendor/autoload_runtime.php	1
■	compile::F/7H7FgxsBejK4hpnGtAeg	1
■	compile::Y/QR0MDyNMbLANH7rFpaRw	1
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::commit	159

1.3.6 /tasks/{id}/edit

200 GET http://localhost/tasks/46/edit

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php 0 rq 600 ms 286 ms 313 ms 19.2 MB 1.4 kB 0 µs / 0 rq 1.17 ms / 2 rq Timeline

Composer\Autoload\includeFile	349
Composer\Autoload\includeFile@1	191
is_dir	15
is_file	23
compile::Assert/Functions.php	1
compile::DeepCopy/deep_copy.php	1
compile::Event/ListenersInvoker.php	1
Container63oWWZa\App_KernelProdContainer::load	29
Composer\Autoload\includeFile@2	68
compile::Proxy/Autoloader.php	2
{closure}::event-dispatcher/EventDispatcher.php/265-271	21
compile::Driver/AnnotationDriver.php	2
Container63oWWZa\App_KernelProdContainer::load@1	14
compile::Proxy/VirtualProxyInterface.php	1
composerRequire11698e7f2d7c7e6815cb773729007093	14
Composer\Autoload\includeFile@3	30
compile::composer/autoload_static.php	1
compile::Deprecations/Deprecation.php	1
Twig\ExtensionSet::initExtension	17
compile::Kernel/MicroKernelTrait.php	1
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load	2
Symfony\Component\Form\ResolvedFormType::createBuilder	4
compile::Mapping/ClassMetadataInfo.php	1
compile::error-handler/ErrorHandler.php	1
Container63oWWZa\App_KernelProdContainer::load@2	5
Composer\Autoload\ClassLoader::loadClass	350
Symfony\Bundle\FrameworkBundle\Routing\Router::generate	5
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor	16
Symfony\Component\Form\Form::createView	1

302 POST http://localhost/tasks/42/edit

Created less than a minute ago by c.lanon.informatique@gmail.com in GitHub Student Developer Pack / test

php x | ⚠ | ↶ 0 rq | ⌚ 351 ms | ⬆ 139 ms | 💎 212 ms | 📄 17.7 MB | 📦 1.58 kB | ⌚ 0 μs / 0 rq | 📊 4.11 ms / 3 rq | 📅 Timeline

	Composer\Autoload\includeFile		307
	Composer\Autoload\includeFile@1		191
■	compile::1/NyhupOgl1PHgcEaru1dA		1
■	compile::Event/TransactionBeginEventArgs.php		1
	Container63oWWZa\App_KernelProdContainer::load		29
	Composer\Autoload\includeFile@2		69
■	compile::composer/autoload_static.php		1
■	compile::G/cuRu8pamZ40LRgDgAqxA		1
■	compile::3/rBpYJNoTw4YSb3nk88SA		1
■	compile::P/aVuPUkOKtSsd1itsDRfw		1
■	compile::Z/-3WbincziplkpkkAgwYw		1
■	compile::Y/eHq 9vUmgm9YSvkx971w		1
■	compile::Z/KJPZklr1EQhoMniqqHLw		1
	{closure}::event-dispatcher/EventDispatcher.php/265-271		21
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch		10
	Container63oWWZa\App_KernelProdContainer::load@1		14
	PDO::commit		1
	Composer\Autoload\includeFile@3		30
	composerRequire11698e7f2d7c7e6815cb773729007093		14
	Composer\Autoload\ClassLoader::loadClass		308
■	...mponent\HttpKernel\Controller\ArgumentResolver::getArguments		1
	...ny\Component\Validator\Validator\RecursiveValidator::startContext		1
■	PDOStatement::execute(...)		1
	Symfony\Component\Form\Form::submit		1
■	compile::ORM/UnitOfWork.php		1
	Container63oWWZa\App_KernelProdContainer::load@2		5
■	spl_autoload_call		309
■	compile::Assert/Functions.php		1
■	App\Controller\TaskController::editAction		1

1.3.7 /tasks/{id}/toggle

302 GET http://localhost/tasks/46/toggle

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php 0 rq 142 ms 4.12 ms 138 ms 12.5 MB 794 B 0 µs / 0 rq 504 µs / 1 rq Timeline

	Composer\Autoload\includeFile	169
	Composer\Autoload\includeFile@1	119
	compile::composer/autoload_static.php	1
	Composer\Autoload\includeFile@2	55
	{closure}::event-dispatcher/EventDispatcher.php/265-271	21
	Container63oWWZa\App_KernelProdContainer::load	14
	Composer\Autoload\includeFile@3	29
	composerRequire11698e7f2d7c7e6815cb773729007093	14
	compile::Entity/BasicEntityPersister.php	1
	compile::Platforms/AbstractPlatform.php	1
	compile::http-foundation/Request.php	1
	Container63oWWZa\App_KernelProdContainer::load@1	8
	compile::Assert/Functions.php	1
	compile::ORM/UnitOfWork.php	1
	...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
	compile::Mapping/ClassMetadataInfo.php	1
	Doctrine\ORM\EntityManager::__construct	1
	...pKernel\EventListener\AbstractSessionListener::onKernelResponse	1
	App\Controller\TaskController::toggleTaskAction	1
	Composer\Autoload\ClassLoader::loadClass	170
	Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load	1
	compile::Annotations/DocParser.php	1
	compile::Container63oWWZa/App_KernelProdContainer.php	1
	Symfony\Component\HttpFoundation\ResponseHeaderBag::set	9
	spl_autoload_call	171
	Composer\Autoload\ClassLoader::loadClass@1	119
	spl_autoload_call@4	13
	Symfony\Bundle\FrameworkBundle\Routing\Router::matchRequest	2
	Doctrine\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateAll	1

1.3.8 /tasks/{id}/delete

302 GET http://localhost/tasks/46/delete

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php 0 rq 168 ms 20.6 ms 148 ms 13 MB 1.5 kB 0 µs / 0 rq 3.2 ms / 3 rq Timeline

Composer\Autoload\includeFile	189
Composer\Autoload\includeFile@1	129
Composer\Autoload\includeFile@2	57
...pile::Container63oWWZa/get_ServiceLocator_Uix2tkPService.php	1
compile::composer/autoload_static.php	1
Container63oWWZa\App_KernelProdContainer::load	22
{closure}::event-dispatcher/EventDispatcher.php/265-271	21
PDO::commit	1
Composer\Autoload\includeFile@3	29
composerRequire11698e7f2d7c7e6815cb773729007093	14
compile::ORM/UnitOfWork.php	1
...pKernel\EventListener\AbstractSessionListener::onKernelResponse	1
compile::Mapping/ClassMetadataInfo.php	1
compile::Platforms/AbstractPlatform.php	1
Container63oWWZa\App_KernelProdContainer::load@1	8
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
compile::Assert/Functions.php	1
compile::http-foundation/Request.php	1
compile::Entity/BasicEntityPersister.php	1
...e\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateRowData	2
...onent\HttpKernel\EventListener\RoutingListener::onKernelRequest	1
PDOStatement::execute(...)	1
compile::http-kernel/Kernel.php	1
Symfony\Component\Dotenv\Dotenv::lexVarname	8
Composer\Autoload\includeFile@4	13
Doctrine\ORM\UnitOfWork::commit	1
...ponent\HttpFoundation\ResponseHeaderBag::parseCacheControl	11
Doctrine\ORM\Persisters\Entity\BasicEntityPersister::getSelectSQL	2
...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor	25

1.3.9 /users

200 GET http://localhost/users

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php 0 rq 328 ms 35.3 ms 293 ms 16.2 MB 1.87 kB 0 µs / 0 rq 2.02 ms / 2 rq Timeline


























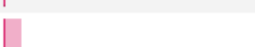
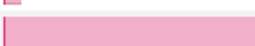






Composer\Autoload\includeFile	275
Composer\Autoload\includeFile@1	145
compile::Expression/FilterExpression.php	1
Composer\Autoload\includeFile@2	59
Container63oWWZa\App_KernelProdContainer::load	21
{closure}::event-dispatcher/EventDispatcher.php/265-271	21
compile::composer/autoload_static.php	1
Twig\ExtensionSet::initExtension	17
base.html.twig::doDisplay	1
Twig\Lexer::tokenize	1
Composer\Autoload\includeFile@3	29
Container63oWWZa\App_KernelProdContainer::load@1	9
compile::Assert/Functions.php	1
Twig\NodeTraverser::traverseForVisitor@10	51
Composer\Autoload\ClassLoader::loadClass	276
Twig\NodeTraverser::traverseForVisitor@13	52
composerRequire11698e7f2d7c7e6815cb773729007093	14
...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
compile::ORM/UnitOfWork.php	1
compile::Mapping/ClassMetadataInfo.php	1
Twig\Node\Expression\FilterExpression::compileArguments	5
...e\ORM\Internal\Hydration\SimpleObjectHydrator::hydrateRowData	7
Twig\Environment::loadTemplate	2
compile::Entity/BasicEntityPersister.php	1
Twig\Lexer::lexExpression	49
Doctrine\ORM\EntityManager::__construct	1
...onent\HttpKernel\EventListener\RouterListener::onKernelRequest	1
Twig\ExpressionParser::parsePrimaryExpression	9
spl_autoload_call	277

1.3.10 /users/create

302 POST http://localhost/users/create

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   | ↳ 0 rq ⓘ 1.39 s ⬆️ 384 ms ⚙️ 1 s 📄 19 MB 📁 1.51 kB 🌐 0 μs / 0 rq 📊 3.18 ms / 3 rq 📅 Timeline

	password_hash		1
	Composer\Autoload\includeFile		339
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch		62
	compile::T/F6QHemCnUZiGhTpS9peg		1
	fopen(...)		24
	Composer\Autoload\includeFile@1		195
	compile::0/R1 VzWkn40UT651YFRuA		1
	compile::1/NyhupOgl1PHgcEaru1dA		1
	Container63oWWZa\App_KernelProdContainer::load		31
	compile::Event/SubmitEvent.php		1
	compile::F/k9f0jUKeg yVgCUPj9w		1
	compile::Util/XmlUtils.php		1
	compile::R/gA8DI6ZT706JkMURumvw		1
	compile::Y/q5-XsjTepDRTOTxXDfBA		1
	mkdir		43
	compile::P/MsFcbUsflht58blkjEw		1
	Container63oWWZa\App_KernelProdContainer::load@1		15
	Composer\Autoload\includeFile@2		69
	Symfony\Component\PropertyInfo\PropertyInfoExtractor::extract		21
	...\Validator\Mapping\Loader\PropertyInfoLoader::loadClassMetadata		3
	Symfony\Component\VarExporter\VarExporter::export		35
	{closure}::event-dispatcher/EventDispatcher.php/265-271		21
	run_init::vendor/autoload_runtime.php		1
	Symfony\Component\HttpKernel\HttpKernel::handleRaw		1
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::write		48
	Doctrine\Common\Annotations\PsrCachedReader::fetchFromCache		31
	Doctrine\Common\Annotations\DocParser::parse		27
	Symfony\Component\Form\FormBuilder::getForm		1
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::getFile		110
	...ent\PasswordHasher\Hasher\UserPasswordHasher::hashPassword		1

1.3.11 /users/{id}/edit

200 GET http://localhost/users/31/edit

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
































php 0 rq 305 ms 64.1 ms 241 ms 18 MB 1.35 kB 0 µs / 0 rq 1.08 ms / 2 rq Timeline

	Composer\Autoload\includeFile	219
	Composer\Autoload\includeFile@1	138
	Container63oWWZa\App_KernelProdContainer::load	21
	Composer\Autoload\includeFile@2	57
■	compile::composer/autoload_static.php	1
	{closure}::event-dispatcher/EventDispatcher.php/265-271	21
	Composer\Autoload\includeFile@3	29
■	compile::ORM/UnitOfWork.php	1
■	compile::Platforms/AbstractPlatform.php	1
■	compile::Entity/BasicEntityPersister.php	1
■	base.html.twig::doDisplay	1
	composerRequire11698e7f2d7c7e6815cb773729007093	14
	Symfony\Bundle\FrameworkBundle\Routing\Router::generate	10
	Container63oWWZa\App_KernelProdContainer::load@1	9
	...ainer63oWWZa\getDoctrine_Orm_DefaultEntityManagerService::do	2
	Composer\Autoload\ClassLoader::loadClass	220
■	compile::http-foundation/Request.php	1
■	...mponent\HttpKernel\Controller\ArgumentResolver::getArguments	1
	Doctrine\ORM\EntityManager::__construct	1
■	compile::Mapping/ClassMetadataInfo.php	1
■	...onent\HttpKernel\Event\Listener\RouterListener::onKernelRequest	1
■	run_init::vendor/autoload_runtime.php	1
	...e\DoctrineBundle\Mapping\ClassMetadataFactory::getMetadataFor	20
	twig_get_attribute	32
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::__destruct	2
	...pKernel\Event\Listener\AbstractSessionListener::onKernelResponse	1
	Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load	1
■	compile::Assert/Functions.php	1
■	spl_autoload_call	221

302 POST http://localhost/users/31/edit

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   ↳ 0 rq ⌚ 905 ms ↕ 140 ms 📶 764 ms 📄 18.2 MB 📶 2.17 kB ⌚ 0 µs / 0 rq 📊 5.59 ms / 4 rq 📅 Timeline

	password_hash		1
	Composer\Autoload\includeFile		325
	Composer\Autoload\includeFile@1		196
	Container63oWWZa\App_KernelProdContainer::load		31
	compile::2/MgRZK0NeW10Yb-zRz4ig		1
	compile::Event/SubmitEvent.php		1
	compile::N/erKblcfEidrxJUaxNdAQ		1
	compile::Constraints/Email.php		1
	Composer\Autoload\includeFile@2		69
	Container63oWWZa\App_KernelProdContainer::load@1		15
	Symfony\Component\Form\FormBuilder::getForm		1
	{closure}::event-dispatcher/EventDispatcher.php/265-271		21
	compile::J/xRRaAYejS802QpMmILsA		1
	compile::composer/autoload_static.php		1
	run_init::vendor/autoload_runtime.php		1
	Symfony\Component\Form\ResolvedFormType::createBuilder		9
	Symfony\Component\HttpKernel\HttpKernel::handleRaw		1
	Symfony\Component\Cache\Adapter\PhpFilesAdapter::doFetch		11
	Symfony\Component\Form\FormFactory::createNamedBuilder		9
	PDO::commit		1
	...ent\PasswordHasher\Hasher\UserPasswordHasher::hashPassword		1
	...onent\Validator\Validator\RecursiveContextualValidator::validate@1		5
	...serAutoloaderInit11698e7f2d7c7e6815cb773729007093::getLoader		1
	...alidator\Validator\Validator\RecursiveContextualValidator::validateInGroup@1		7
	compile::ORM/UnitOfWork.php		1
	Doctrine\ORM\Persisters\Entity\BasicEntityPersister::load		2
	{closure}::EventListener/AbstractSessionListener.php/72-89		1
	Symfony\Component\Form\Form::submit@1		4
	...dator\Validator\Validator\RecursiveContextualValidator::validateClassNode@1		1

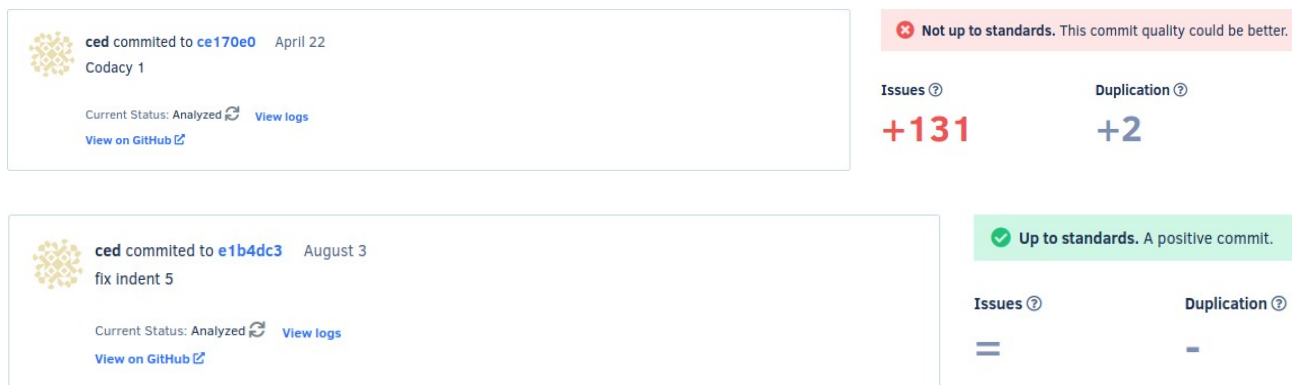
2 Audit de qualité de code

2.1 Aperçu général

Codacy ne permet pas de réaliser des graphiques montrant l'évolution de la qualité de code sur plus de 3 mois.

Le projet ayant été commencé il y a plus de 3 mois, ce type de graphique ne pourra pas être généré par cet outil.

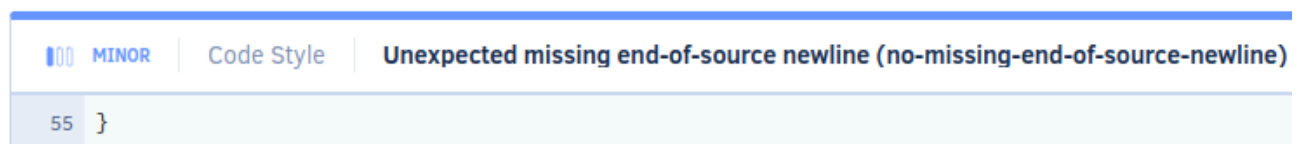
Néanmoins, en comparant le commit réalisé le 22 avril avec le commit du 3 Août, on peut constater une nette amélioration général de la qualité du code (Codacy ne remontant aucune erreur sur le dernier commit).



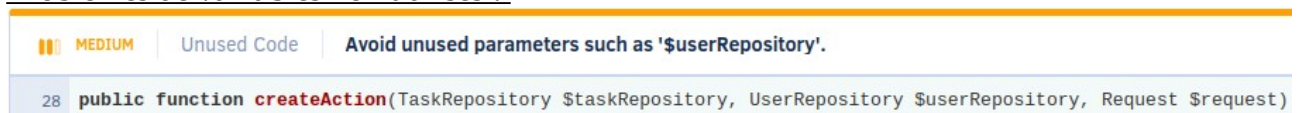
2.2 Quelques exemples de remontés de Codacy.

Beaucoup des problèmes rencontrés concernaient des problèmes de styles, de variables non utilisées ou encore de bonnes pratiques au niveau sécurité.

Problèmes de style :



Problèmes de variables non utilisés :



```
||| MEDIUM | Unused Code | Avoid unused local variables such as '$kernel'.  
29 $kernel = self::bootKernel();
```

Problèmes de bonnes pratiques au niveau de la sécurité :

```
||| MEDIUM | Security | The use of function is_null() is discouraged; use strict comparison "=== null" instead.  
108 ( is_null($task->getUser()) )
```

3 Proposition d'améliorations

3.1 Outils d'intégration continue

Actuellement tous les tests de qualités sont lancés manuellement.

Il existe des solutions pour que ces tests soient lancés automatiquement avant un événement tel que, par exemple, la fusion de branches.

Ces outils sont nombreux et couvrent un panel large de possibilités. Ci-dessous un échantillon d'outils d'intégration continue :

- Travis
- Jenkins
- Gitlab CI
- Appveyor
- Circle CI
- Bamboo
- Codeship

Je recommande fortement de mettre en place des outils d'intégration continue dans le cadre du développement de l'application ToDo

3.2 Solution pour gagner en performance

Dans l'audit de performance, on peut constater que l'autoloader de composer impacte de façon importante les performances de l'application.

L'autoloader de composer doit vérifier les fichiers pour résoudre le nom des classes. Cela est pratique en environnement de développement puisque lorsque l'on ajoute une nouvelle classe, elle peut être immédiatement découverte/utilisée sans avoir à reconstruire la configuration.

Bien que pratique, cela engendre une perte de performance qui est problématique en environnement de production.

Pour dé-activer cette vérification et créer un mappage de classe « statique », il est possible d'utiliser cette commande :

```
composer dumpautoload -o
```

Attention, cette configuration doit être activée uniquement en production et non dans un environnement de développement.

Pour revenir à l'état initial :

```
composer update
```

Le gain de performance peut être significatif. Par exemple, une requête sur le chemin « /tasks/{id}/edit » les gains de temps peuvent être supérieurs à 60 %

