

coveo™



Faciliter le développement UI chez Coveo : Mantine et déploiements continus

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Octobre 2023



Coveo

Presentation



Plateforme d'AI de Recherche et Recommendations

- **Plateforme** qui permet d'indexer toutes vos données dans notre Cloud.
- **Système d'apprentissage "AI"** qui aide à trouver la bonne information selon votre profil.
- **JavaScript framework** pour vous aider à construire des pages de recherches
- **Generative AI** sur mesure

The screenshot displays the Coveo AI search interface. At the top, a search bar contains the query "What is Coveo?". Below the search bar, there are filters for "Resource type" and "Platform Solution". The "Resource type" filter includes options like Blog (115), Product Entitlements (18), Product Documentation (2,226), Web page (289), Q&A (1,400), Glossary Entry (233), and Documentation News (150). The "Platform Solution" filter includes Experimentation Hub (238), Qubit (289), and Service (424). The main content area features a "Generated answer for you" section with a detailed response about Coveo's capabilities and a "References" list. Below this, search results are displayed, including "What is enterprise search - and why it matters | Coveo" and "Launch | Coveo Experimentation Hub".

What is Coveo ?

Include older components

Resource type

- Blog (115)
- Product Entitlements (18)
- Product Documentation (2,226)
- Web page (289)
- Q&A (1,400)
- Glossary Entry (233)
- Documentation News (150)
- Support Articles (1,609)

+ Show more

Platform Solution

- Experimentation Hub (238)
- Qubit (289)
- Service (424)

Generated answer for you

Coveo is an enterprise-class native cloud SaaS/PaaS solution that provides a unified and secure way to search for contextually relevant content across many enterprise systems. It relies on usage analytics data to yield machine learning-powered recommendations. Coveo allows companies, corporations, or organizations to make many public and private enterprise content sources securely searchable with optimized relevance. It offers features such as Coveo Usage Analytics, Coveo Machine Learning, and search optimization. Coveo can be accessed through the Coveo Administration Console by a Coveo organization administrator.

References: 1, 2

Learn more [1 Coveo | Coveo G...](#) [2 Coveo organizati...](#) [3 FAQ | Coveo for ...](#) [4 Services | Coveo](#) [5 What is the benef...](#)

Results 1-10 of 6,651 for **What is Coveo ?** Sort by: Relevance

What is enterprise search - and why it matters | Coveo
<https://www.coveo.com/en/enterprise-search>
What are the benefits of enterprise search? ... What Use Cases Work With Enterprise Search ... Coveo integrates content from many different sources using its ...
Resource: Web page

Launch | Coveo Experimentation Hub
<https://docs.coveo.com/en/qbb1056/>
In this article, we'll show you how to publish an experience and what happens under the hood when you do that. ... Once you've created and configured an ...
Resource: Product Documentation | Solution: Ecommerce, Qubit, Experimentation Hub

What Is Attribution? | Coveo for Commerce

The Coveo Administration Console

The screenshot shows the Coveo Administration Console interface. The top navigation bar includes the Coveo logo, 'Administration Console', 'SpeedBit', a 'Demo' dropdown, and user profile icons. The left sidebar contains a menu with categories like Content, Log Browser, Fields, Content Browser, Extensions, Security Identities, Crawling Modules, Commerce, Catalogs, Service, Case Assist, Insight Panel, Search, Query Pipelines, Conditions, and Relevance Inspector. The main content area is titled 'Sources' and includes a description: 'Manage your sources to make content searchable.' and an 'Add source' button. Below this is a table of sources with filters for status and search criteria.

Type	Name	Status	Content
Confluence Cloud	Atlassian SpeedBit	OK Last rebuild completed 2 years ago	10 items 34.4 kB
Sitemap	Blog	OK Last rebuild completed 4 years ago	713 items 33.1 MB
Box (personal)	Box Speedbit	Rebuild required to apply changes	72 items 70.9 MB
Khoros Community	Community	OK Last rebuild completed 5 years ago	67,603 items 154.2 MB
Confluence Cloud	Confluence - HR	OK Last rescan completed 10 days ago	33 items 700.6 kB
Confluence Cloud	Confluence - Xaction Support	OK Last rebuild completed 4 years ago	14 items 11.6 kB

Déploiements Continus

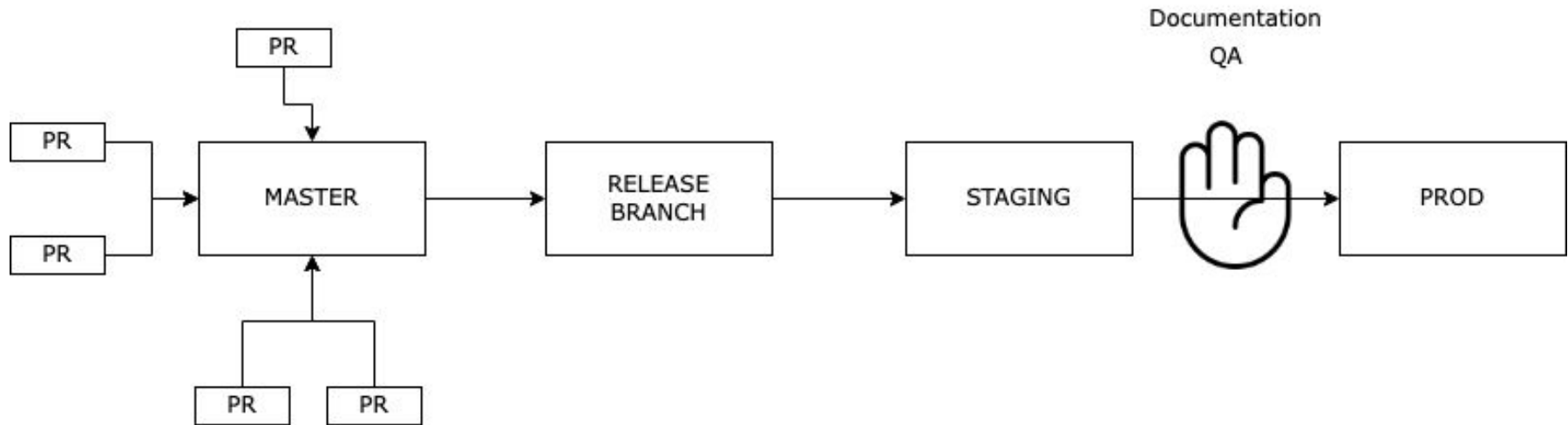
7

“We need this
in prod
tomorrow.”



Perfect Storm

1. Nouvelle fonctionnalité déployée la semaine précédente
2. BUGSSSS
3. QA débordé
4. Test flaky



Problème

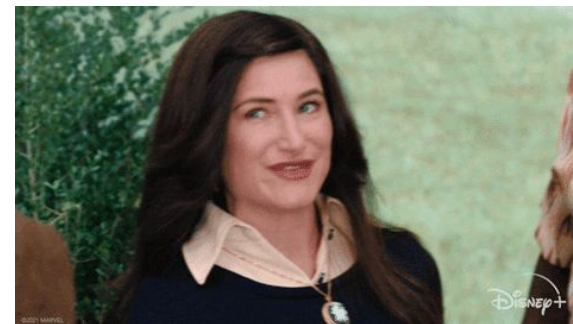
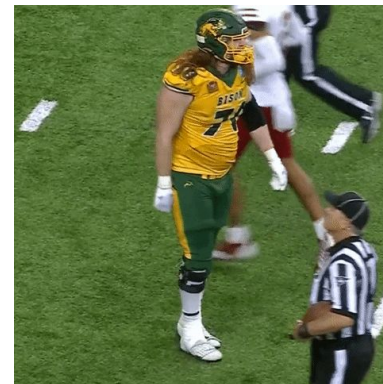
1. Release 1 fois par semaine
Parfois moins.
2. Gestion des cherry-pick et merge-back
3. QA débordé
Doit tester chaque PR
4. Plusieurs bloquants (QA, doc)
Toujours en attente
5. Déploiement risqués

Étape 1

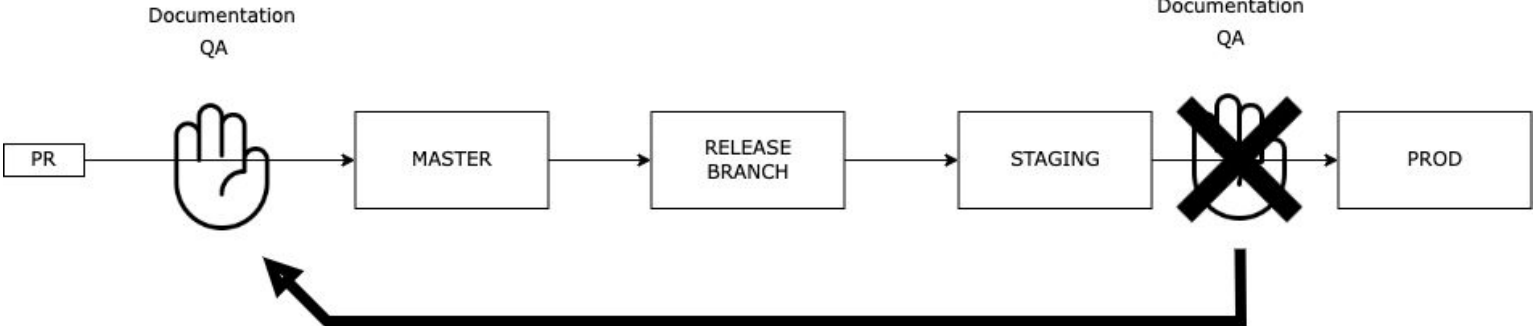
“Stop setting QA Testable to YES”

Étape 1

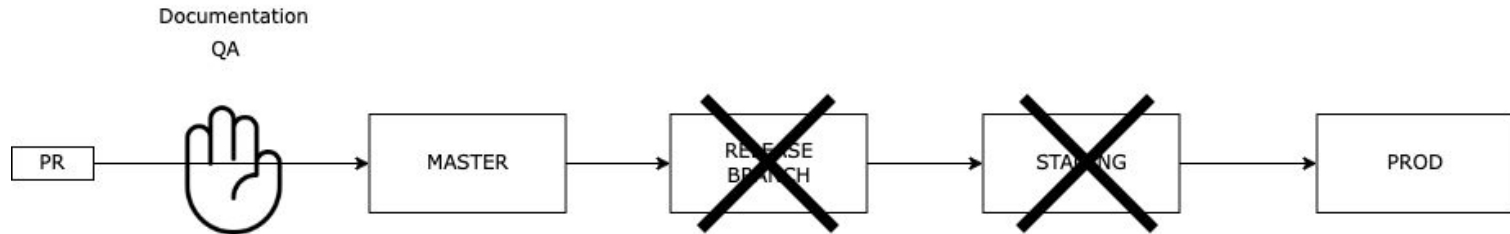
“Stop setting QA Testable to YES”



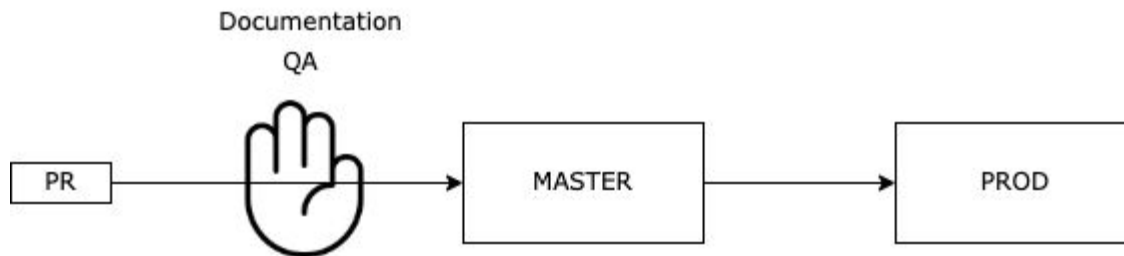
Étape 2



Étape 3



Résultat



Résultats !

1. 3 - 6 mise en prod par jours
2. Fix forward



Plus de cherry pick & revert de versions

1
7

“We need this
in prod
tomorrow.”



- Brief overview of Coveo dans l'optique de l'admin-ui
- Continuous delivery
 - Élément déclencheur : pas de déploiement pendant 2 semaines et évènement manqué (mettre le gif de spongebob et Patrick qui court en panique ici)
 - Issues of not doing it
 - Hot Fix between releases complicated (cherry pick and merge back)
 - Slow process (if you miss the release, you need to wait next week)
 - What was slowing us down
 - QA team overwhelmed by the number of issues to test
 - Jenkins infra was not optimal
 - The road to success
 - Give dev more ownership by testing the PRs
 - Testing done BEFORE merging in master, so everything in master is always ready to be deployed
 - Modernize CI tools : change from Jenkins to Github actions
 - Advantages of doing it
 - Fix forward
 - No more rollbacks
 - No more cherry picking
 - 3-6 deployments per day

- Mantine

- Pros of plasma
 - 100% control
- What was the problem with plasma
 - 100% maintenance
 - Legacy code using redux
 - Too much efforts to modernize
- Why we wanted to use a 3rd party component library
 - 0% maintenance (ok, more like 10%)
- Pros of Mantine
 - Versatile
 - Low maintenance
- Cons of Mantine
 - Very new (1 year old at the time)
 - Add another layer of technical debt (Plasma deprecation)
 - Not all components available, still need to develop some component
 - Ex : No table
 - Need to convince all frontend devs that it's a good idea
 - Ramp up time
 - Need to convince all UI/UX that it's a good idea
 - Need to compromise on UI appearance
- How used it
 - Implemented in a big scale project with teammate who were close to the tooling team
 - Corrected bugs as we go and made new components on the fly as needed
- Lesson learned
 - People don't like change, even when it makes their lives easier
 - No one wants to be the first one to test it
 - Sometime, you need to kick some butts to get things done

Une bibliothèque de composants?



1D 1W 1M 3M 6M All

IPSUM ↓ DOLOR ↑

↓ Lorem ipsum Dolor sit ↑ Lorem ipsum Dolor sit

♥ + 👤 📅 ⚙️

Ipsum dolor | Lorem
Dolor sit amet lorem **11**

● Dolor ● Amet

Progress bar: [-----]



15:45
Today
17.05.20

- Lorem 2 ipsum
- Lorem 2 ipsum

Amet



Ipsum dolor | Dolor sit amet **9\$**

Ipsum dolor | Dolor sit amet **7\$**

IPSUM **DOLOR**

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 Lorem 📈 **64** amet

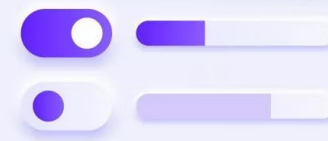
07:00 **+ Lorem**

+ 2 Lorem **-**

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Lorem Ipsum ▲
Dolor sit

Lorem ipsum

Sit amet

Lorem Ipsum ▼

Lorem **Ipsum** Dolor

MARCH 2020 ◀ ▶

SU	MO	TU	WE	TH	FR	SA
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Un système de **conception**?

Typography

Roboto font & Quicksand headings

H1 Head H1 Head

H2 Headline H2 Headline

H3 Headline H3 Headline

H4 Headline H4 Headline

H5 Headline H5 Headline

H6 Headline H6 Headline

Body 1

Body 1

Subtle 2

Subtle 2

BUTTON

BUTTON

Body 2

Body 2

Caption

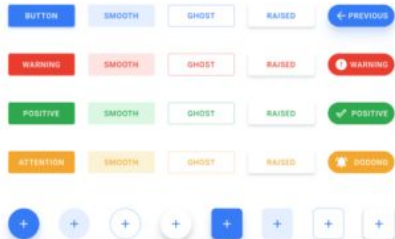
Caption

OVERLINE

OVERLINE

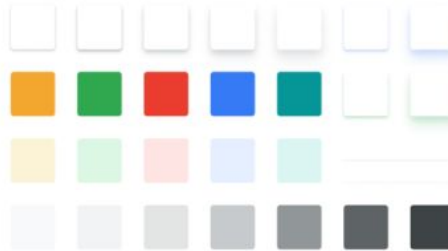
Buttons

2 components / 26 instances



Colors & Elevation

9 shadows / 17 color styles



Gradients

10 styles



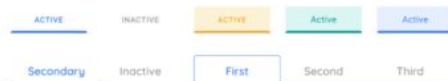
Application Bars

1 component / 1 instance

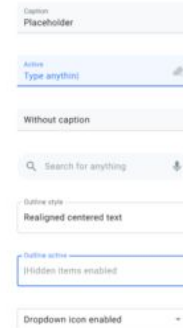


Tabs

2 components / 8 instances



Text Fields



Three strings of description for your any item is quite enough, trust me and purchase this

\$13.95 was \$23.95

4.87

Register for Shipping To Where or somewhere else



\$13.95

Three strings of description for your any item is quite enough, trust me

Pas eu le choix de demander à **chatGPT**



Un système de conception définit les directives globales du design, tandis qu'une bibliothèque de composants fournit des éléments d'interface réutilisables pour mettre en œuvre ces directives.

Coveo Plasma

Welcome to

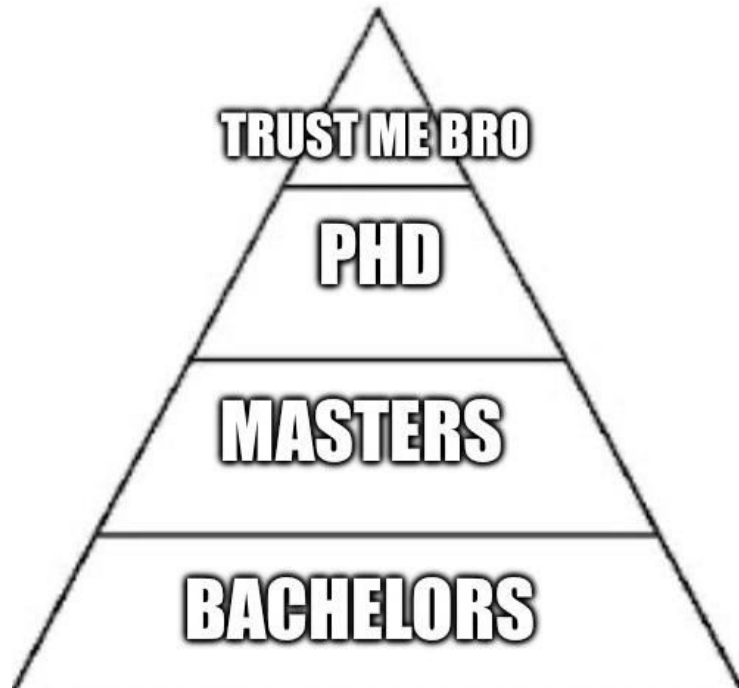
PLASMA

Coveo's platform design system & ionized Vapor.

Learn more about our brand, our values and our story by visiting our [brand page](#) ↗.

Be part of the progress! Contribute to Plasma on [GitHub](#) ↗.

THE LEVELS OF ACCOUNTABILITY



Avantages de Coveo Plasma

Controle

- Favorise une cohérence et une intégration plus étroite dans l'ensemble du système de conception de l'entreprise.
- Possibilité de maintenir un contrôle total sur le design et la fonctionnalité des composants

Flexibilité

- Personnalisation complète pour répondre aux besoins spécifiques du projet
- Meilleure adaptation aux exigences de l'entreprise

Inconvénients de Coveo Plasma

Maintenance

- Assurer la compatibilité et la mise à jour des éléments
- Assurer la correction des éventuels problèmes

Dette Technique

- Risque accru de bogues et d'incohérences
- Risque de devenir obsolète plus rapidement
- *_Always something to fix_*

Yak Shaving





Mantine

A fully featured React components library

Build fully functional accessible web applications faster than ever – Mantine includes more than 100 customizable components and 50 hooks to cover you in any situation



Free and open source

All packages have MIT license, you can use Mantine in any project



TypeScript based

Build type safe applications, all components and hooks export types



Use anywhere

Mantine supports all modern frameworks: Next.js, Remix, etc.

[Get started](#)

 [GitHub](#)

Usage



TS Demo.tsx

```
import { Button } from '@mantine/core';  
  
function Demo() {  
  return <Button variant="filled">Button</Button>;  
}
```

Usage

To customize theme, pass theme override object to `MantineProvider` `theme` prop. Theme override will be deeply merged with the default theme.

```
import { MantineProvider, createTheme, rem } from '@mantine/core';

const theme = createTheme({
  colors: {
    // Add your color
    deepBlue: ['#E9EDFC', '#C1CCF6', '#99ABF0' /* ... */],
    // or replace default theme color
    blue: ['#E9EDFC', '#C1CCF6', '#99ABF0' /* ... */],
  },

  shadows: {
    md: '1px 1px 3px rgba(0, 0, 0, .25)',
    xl: '5px 5px 3px rgba(0, 0, 0, .25)',
  },

  headings: {
    fontFamily: 'Roboto, sans-serif',
    sizes: {
      h1: { fontSize: rem(36) },
    },
  },
});

function Demo() {
  return (
    <MantineProvider theme={theme}>
      <App />
    </MantineProvider>
  );
}
```



```
{
  "name": "@coveord/plasma-mantine",
  "version": "52.20.0",
  "description": "A Plasma flavoured Mantine theme",
  "keywords": [
    "plasma",
    "mantine",
    "components",
    "coveo"
  ],
}
```

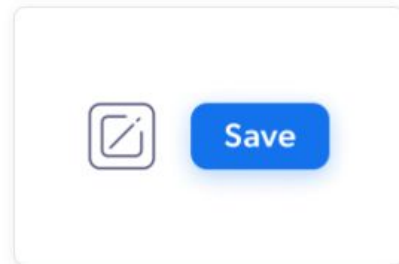


[View source](#)

Form

Button

A button draws attention to an important action and initializes this action when clicked.



Implementation

Guidelines

Default button

```
1 import {Button, showNotification} from '@coveord/plasma-mantine';  
2  
3 const Demo = () => <Button onClick={() => showNotification({message: 'Butt  
4 export default Demo;
```



Les leçons apprises

Gestion du changement

- Formation des développeurs et de révision de l'ensemble du flux de travail de développement.
- Ajustements importants dans le code et la structure de l'application, ce qui peut être *chronophage*
- Nécessitant un effort supplémentaire pour garantir une adoption réussie

Être le 1er

- Les inconnus dans un nouveau projet créent à la fois des défis et des opportunités
- Possibilité d'erreurs coûteuses, de retards et de défis imprévus

Ce qui compte le plus

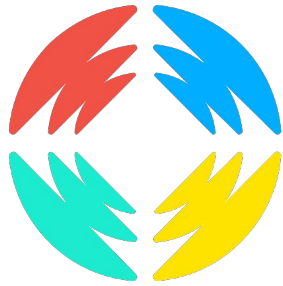
- Consacrer son énergie aux tâches qui ont le plus grand impact sur le projet.
- Éviter la duplication des efforts et maximiser l'efficacité.

Merci!



13 JANVIER 2024

Inscriptions maintenant ouvertes !



coveo™

Simplifying UI Development at Coveo: Mantine and Continuous Deployments

Faciliter le développement UI chez Coveo : Mantine et déploiements continus

” Joignez-vous à nous pour un aperçu des moyens par lesquels Coveo facilite le travail des développeurs. Au cours de cette présentation, nous explorerons comment Mantine UI améliore l'expérience de développement de l'interface utilisateur. De plus, nous plongerons dans nos pratiques de déploiement continu, simplifiant le processus pour une livraison de logiciel efficace et sans stress. Venez découvrir les solutions technologiques qui simplifient le développement, stimulent la productivité et favorisent l'innovation chez Coveo. ”