

TheCodingMachine

Le Lazy-Loading (amélioration des perfs)

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Waly



<https://forms.gle/usBr3PdLZAuU9Ftf6>



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1 Le lazy loading?



C'est une technique pour charger efficacement du contenu sur une page web

Ça répond à la question "Quand charger?"

Pourquoi le lazy loading?

METRICS		Collapse view
<ul style="list-style-type: none">● First Contentful Paint <p>0.2 s</p> <p>First Contentful Paint marks the time at which the first text or image is painted. Learn more about the First Contentful Paint metric.</p>	<ul style="list-style-type: none">● Largest Contentful Paint <p>0.2 s</p> <p>Largest Contentful Paint marks the time at which the largest text or image is painted. Learn more about the Largest Contentful Paint metric</p>	
<ul style="list-style-type: none">● Total Blocking Time <p>0 ms</p> <p>Sum of all time periods between FCP and Time to Interactive, when task length exceeded 50ms, expressed in milliseconds. Learn more about the Total Blocking Time metric.</p>	<ul style="list-style-type: none">● Cumulative Layout Shift <p>0</p> <p>Cumulative Layout Shift measures the movement of visible elements within the viewport. Learn more about the Cumulative Layout Shift metric.</p>	
<ul style="list-style-type: none">● Speed Index <p>0.3 s</p> <p>Speed Index shows how quickly the contents of a page are visibly populated. Learn more about the Speed Index metric.</p>		

<https://developer.chrome.com/docs/lighthouse/performance/first-contentful-paint?hl=fr>

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Les images



L'attribut `loading="lazy"`

C'est tout

```

```

[: The Image Embed element - HTML | MDN](#)

La balise `<picture>`

Afficher une image **VS** bien afficher une image

```

```

```
<picture>
  <source
    type="image/avif"
    srcset="
      /image-400.avif 400w,
      /image-800.avif 800w,
      /image-1200.avif 1200w
    "
    sizes="(max-width: 640px) 100vw, (max-width: 1024px) 50vw, 800px"
  />
  <source
    type="image/webp"
    srcset="
      /image-400.webp 400w,
      /image-800.webp 800w,
      /image-1200.webp 1200w
    "
    sizes="(max-width: 640px) 100vw, (max-width: 1024px) 50vw, 800px"
  />
  
</picture>
```


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Les contenus lourds

L'API `IntersectionObserver`

Détecter quand un élément entre dans le viewport

```
const observer = new IntersectionObserver((entries) => {
  entries.forEach(entry => {
    if (entry.isIntersecting) {
      // charger ici
    }
  });
}, {
  threshold: 0.5,
  rootMargin: '0px'
});

document.querySelectorAll('.ma-class').forEach(el => {
  observer.observe(el);
});
```

[MDN - Intersection Observer API](#)



Merci



Avez-vous des questions ?

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