

# 04.HTML 5

4 novembre 2025

## Développement web il3

### HTML5

HE-Arc 2025 DGR

### Exemples

- Vue d'ensemble :
  - html vs html5 <sup>1</sup>
  - Slides html5 rocks! <sup>2</sup> Google 2011 ( sources <sup>3</sup> )
  - Obsolète : ~~quota~~, ~~web-sql~~ : Web Storage, ~~application-cache~~ : Service Workers
  - MDN Web APIs <sup>4</sup>
- Plein d'exemples
  - What web can do today ? <sup>5</sup>
  - Chrome Experiments <sup>6</sup>
  - API d'accès à la caméra <sup>7</sup>, avec du webGL <sup>8</sup>...
  - html5 demos <sup>9</sup> (sponsorisé), Showcase Hongkiat <sup>10</sup>, LACIS (TB NIFFF 2014)
- Veille : Frontend Focus <sup>11</sup> (newsletter)

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1. <https://www.wscubetech.com/blog/html-vs-html5/>
  2. <https://web.archive.org/web/20140320042652/http://slides.html5rocks.com>
  3. <https://github.com/html5rocks/slides.html5rocks.com>
  4. <https://developer.mozilla.org/en-US/docs/Web/API>
  5. <https://whatwebcando.today/>
  6. <https://www.chromeexperiments.com/>
  7. <https://www.soundstep.com/blog/experiments/jsdetection/>
  8. <https://auduno.github.io/clmtrackr/examples/facesubstitution.html>
  9. <https://bestvpn.org/html5demos/>
  10. <https://www.hongkiat.com/blog/48-excellent-html5-demos/>
  11. <https://frontendfoc.us/>

- Disponibilité dans les navigateurs CanIUse.com <sup>12</sup>

## Progressive Web Apps

- Priorité à l'UX
- Utilise moins d'espace qu'une app native
- Avantages des 2 mondes (natif et web)
- Article <sup>13</sup> d'Alex Russel 15.06.15
- Vue d'ensemble par Wikipedia <sup>14</sup>
- Support tardif d'iOS <sup>15</sup> (notification : iOS16, install banner : iOS17)
- Toujours des soucis dans iOS26 <sup>16</sup>, les raisons <sup>17</sup> ?

## PWA : howto

- Learn PWA <sup>18</sup>
- Portabilité : Progressive Enhancement <sup>19</sup>
- Rapidité : App Shell <sup>20</sup>, cache
- Offline : Service Workers <sup>21</sup>
- Install Banner <sup>22</sup> : HTTPS, WebApp Manifest, SW, 2 visits
- Tests <sup>23</sup> : Lighthouse en automatise une partie

## Exemples et tutos

- Exemples
  - What PWA can do today <sup>24</sup>
  - Project Fugu <sup>25</sup>
  - Awesome PWA <sup>26</sup>

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12. <https://caniuse.com/>

13. <https://infrequently.org/2015/06/progressive-apps-escaping-tabs-without-losing-our-soul/>

14. [https://en.wikipedia.org/wiki/Progressive\\_web\\_app](https://en.wikipedia.org/wiki/Progressive_web_app)

15. <https://firt.dev/notes/pwa-ios/>

16. <https://modernwebweekly.substack.com/p/modern-web-weekly-60>

17. [https://www.reddit.com/r/PWA/comments/1n6e22q/apples\\_pwa\\_limitations\\_are\\_deliberate\\_not/](https://www.reddit.com/r/PWA/comments/1n6e22q/apples_pwa_limitations_are_deliberate_not/)

18. <https://web.dev/learn/pwa>

19. <https://www.smashingmagazine.com/2009/04/progressive-enhancement-what-it-is-and-how-to-use-it/>

20. <https://developers.google.com/web/updates/2015/11/app-shell>

21. <https://jakearchibald.com/2014/service-worker-first-draft/>

22. <https://developers.google.com/web/fundamentals/app-install-banners/>

23. <https://developers.google.com/web/progressive-web-apps/checklist>

24. <https://whatpwacando.today/>

25. <https://developer.chrome.com/docs/capabilities/fugu-showcase?hl=fr>

26. <https://github.com/hemanth/awesome-pwa>

- store.app <sup>27</sup>
- Tutos
  - Getting started with PWA <sup>28</sup>
  - Your 1st PWA <sup>29</sup>
  - HN PWA <sup>30</sup>
  - Démarrer une PWA avec Vite et VueJS <sup>31</sup>

## Sources

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- 27. <https://store.app/>
  - 28. <https://addyosmani.com/blog/getting-started-with-progressive-web-apps/>
  - 29. <https://developers.google.com/web/fundamentals/codelabs/your-first-pwapp/>
  - 30. <https://hnpwa.com/>
  - 31. [https://medium.com/@Christopher\\_Tseng/build-a-blazing-fast-offline-first-pwa-with-vue-3-and-vite-in-2025-the-definitive-guide-5b4969bc7f96](https://medium.com/@Christopher_Tseng/build-a-blazing-fast-offline-first-pwa-with-vue-3-and-vite-in-2025-the-definitive-guide-5b4969bc7f96)