

04.HTML 5

8 octobre 2025

Développement web il3

HTML5

HE-Arc 2025 DGR

Exemples

- Vue d'ensemble :
 - html vs html5 ¹
 - Slides html5 rocks! ² Google 2011 (sources ³)
 - Obsolète : ~~quota~~, ~~web-sql~~ : Web Storage, ~~application-cache~~ : Service Workers
 - MDN Web APIs ⁴
- Plein d'exemples
 - What web can do today ? ⁵
 - Chrome Experiments ⁶
 - API d'accès à la caméra ⁷, avec du webGL ⁸...
 - html5 demos ⁹ (sponsorisé), Showcase Hongkiat ¹⁰, LACIS (TB NIFFF 2014)
- Veille : Frontend Focus ¹¹ (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 ¹²

Progressive Web Apps

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

PWA : howto

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

Exemples et tutos

- Exemples
 - What PWA can do today ²⁴
 - Project Fugu ²⁵
 - Awesome PWA ²⁶

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

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/

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 ²⁷
- Tutos
 - Getting started with PWA ²⁸
 - Your 1st PWA ²⁹
 - HN PWA ³⁰
 - Démarrer une PWA avec Vite et VueJS ³¹

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