

Skyline Desktop Password Generation Technical Documentation

Project Scope:

- Background and Overview of the Goal of the Project?
 - See [PRD](#) and [feature wiki](#)
- What are the major Requirements for this Projects?
 - See https://wiki.mozilla.org/Toolkit:Password_Manager/Password_Generation#Firefox_70_28Desktop_only.29
- Feature description?
 - Allow users to fill and save generated passwords on `autocomplete="new-password"` fields and via the context menu on any password field.
- Will there be any visible (UI) changes (please specify)?
 - Yes
 - New context menu item
 - New autocomplete row on <input autocomplete="new-password"> fields
 - Doorhanger anchor turns blue when auto-saved
 - Doorhanger anchor key icon appears as soon as a generated password is filled (via either UI)
- Are there any backend changes?
 - Caching of the generated password to allow filling it in to a separate field on the same site.

Project Timeline:

- What is your intended Go Live date?
 - Firefox 70
- Do you have any plan for phased rollouts?(if yes please provide project scope by milestones)
 - If we don't think the feature meets the quality for a Firefox MVP we may ship the feature but have it off by default but allow advanced users to turn it on in about:preferences. We won't do any automated gradual rollout though.
- Are there any shield studies planned that may impact the timeline?
 - I don't believe so.

QA Scope:

- What do you think is In-scope from the testing point of view?
 - See [the PI request](#)
- What do you think is Out of scope from the testing point of view?
 - See [the PI request](#)

- What platforms need to be covered?
 - The feature is only for Desktop but we may want quick checks to ensure we didn't break or expose the feature on Fennec.
- What Operating Systems should be covered?
 - All desktop OS and see above.
- Are there any specific locales need to be covered apart from en-US?
 - No, the feature should work the same across all locales.
- Any specific areas that would require Regression Testing (depending on the changes)?
 - Autocomplete of saved logins
 - Existing doorhanger functionality to save and update (including prompt to add a username to a password-only login)
- Any change of settings required prior to test execution?
 - Yes, see https://wiki.mozilla.org/Toolkit:Password_Manager/Password_Generation or the meta bug

Risks and Mitigations:

- Is there a Pref-Flip?
 - Yes, `signon.generation.available`
- What are the Risk areas?
 - See <https://docs.google.com/document/d/1yDI5m7GmbQrVqQ4RAwS7F9qOc2wvJLOstX7NxIJ9lAg/edit#heading=h.69kh9uustljm>
- Can the feature code be rolled back if needed? Do you have any mitigation plans in place?
 - We can backout code if we need since it's fairly independent of other ongoing projects. The first step would be disabling the feature with the pref.
- Do you have any unit test coverage defined?
 - We are adding unit and functional tests wherever we can.
- Are there any known issues? Any tentative timeline to fix them?
 - We only fill a single password format for all websites regardless of whether they accept it. It is out of scope for Skyline to generate more appropriate passwords.
 - We only fill one field with the generated password, no the confirmation field automatically. The user can fill into the 2nd field with our UI or they can copy+paste. This may be a fast-follow bug.

Resources:

- What Slack channel can be used to coordinate with the team?
 - #passwords on IRC
- Is there a project plan?
 - See https://wiki.mozilla.org/Toolkit:Password_Manager/Password_Generation#Firefox_70_28Desktop_only.29

- Is there a Project Roadmap created?
 - “AC MVP”: “Y” at
<https://docs.google.com/spreadsheets/d/1VQuZoC6-i9wgtHAqk08IHUj7zXy1cvKjchNY8WExVXE/edit#gid=501247434>
- Are there any existing project documents (SUMO/Support documents) that might help?
 - [Debug logging instructions for good bug reports](#)
 - There are some [Common Problems](#) also mentioned on that page
 - SUMO has some basic password manager documentation