

DASHLANE AUTOFILL

Improving employee experience and boosting productivity with Dashlane's Machine Learning Engine

Tools that keep your company secure are only effective if your employees adopt them. And while adoption is critical, these tools shouldn't get in the way of your team's work. Dashlane is a password manager that's as easy to use as it is secure—which is why over 20,000 businesses worldwide trust it as their security solution.

We've developed Dashlane's new machine learning autofill engine for quick and reliable performance—which means a better and faster experience for your employees.

What is autofill?

Dashlane doesn't only keep track of passwords, payment information, and personal details. It also automatically fills these details into the appropriate fields when your employees visit websites or shop online. This feature enables logging in, checking out, and filling online forms with one single click.

Machine-based vs. rule-based autofill

Typically, password managers use a rule-based engine for autofill. Rule-based engines:

- Rely on engineers to manually set rules for identifying fields on web pages
- Have limited reliability, performing accurately on the most visited websites while categorizing the rest of the sites only somewhat accurately
- Impact the performance of the customer's computer

Dashlane's new autofill engine relies on a specific branch of artificial intelligence (AI) called machine learning. This autofill learns how to autonomously read and categorize a page from a website dataset that will continue to grow over time.

- **Faster than the blink of the eye:** On average, Dashlane's Machine Learning Engine reads a page and identifies fields in only 15 milliseconds (7 times faster than the blink of an eye).
- **Reliably accurate:** The engine gets smarter as people interact with it more. On average, people are autofilling 7.6% more forms with the new engine. Future versions of the engine will also learn new behaviors automatically and recognize patterns.

THE DASHLANE DIFFERENCE: Better employee experience and convenience

In addition to faster performance and improved accuracy and reliability, the benefits of the new autofill engine include:

- Improved employee experience
- Decreased impact on computers' performance
- Faster adaptation as web standards evolve

How Dashlane's autofill stacks up against the competition

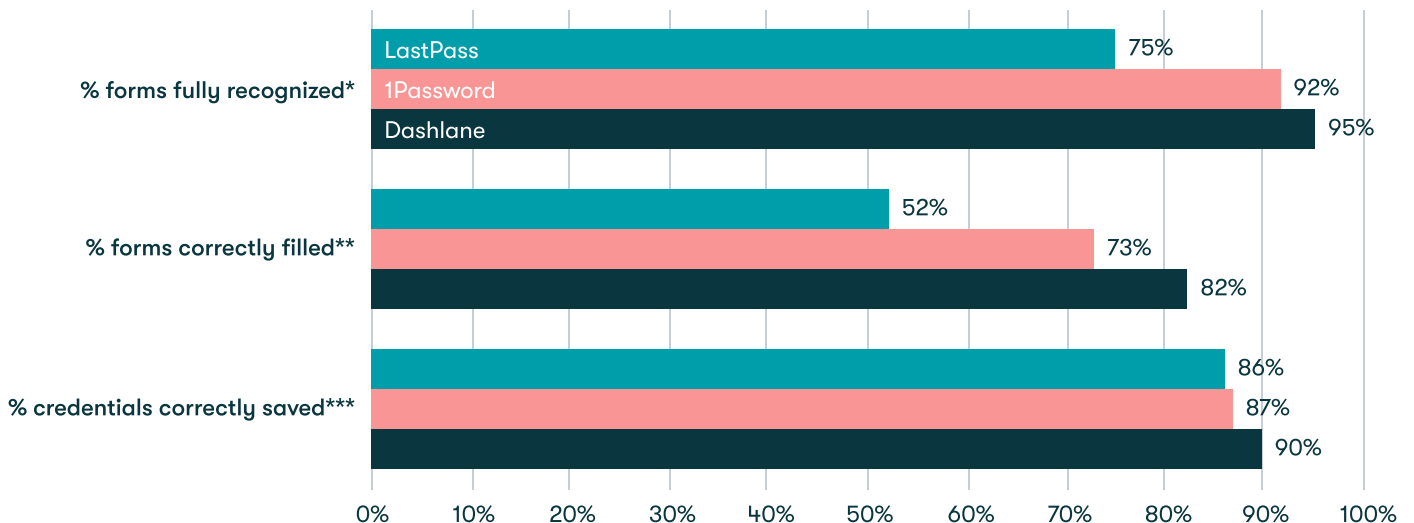
In tests across English, French, and German sites, Dashlane outperformed LastPass and 1Password, based on three criteria:

- **Form recognition:** Did the password manager detect the form, and did it fill out the fields?
- **Autofill accuracy:** Did the password manager fill the correct information in the fields?
- **Saving/updating credentials:** Did the password manager offer to save new credentials or update existing ones?

Autofill benchmark test results

Password manager	Number of fully recognized forms	Number of correctly filled forms	Number of correctly saved credentials
Dashlane	611	534	580
LastPass	483	335	555
1Password	594	472	561

Global results per password manager



How we benchmarked performance

- Set up new Chrome profiles to test each password manager using new accounts with default settings
- Randomly selected 161 websites from 8,000 domains saved by our anonymized customer base
- Tested 644 forms, across the entire password lifecycle: registering account, logging in, updating password, and forgetting password/ resetting the password

Want to see the detailed test results? Read our blog post, “Train Dashlane: Our Industry-First Feature Gives You Customized Autofill Accuracy and Control.”

Security for your business. Simplicity for your employees.

Seamless deployment. Simple employee management. Best-in-class security architecture that has never been hacked. These are only a few of the reasons to adopt Dashlane.

We offer much more than an easy-to-use and easy-to-manage password manager that won't get in your employees' way. Dashlane is the only password manager that has a reporting dashboard designed to identify your password hygiene problems and track changes over time. Make employees part of the security conversation—and boost your security culture.

What's next?

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* A form is considered not fully recognized if at least 1 field cannot be autofilled.

** A form is considered not correctly filled when at least 1 field was autofilled with the wrong information.

*** Credentials are considered not correctly saved when the user entered new or updated credentials in a form, and the password manager did not trigger any action.