SeDiCi

“SeDiCi” is our new online unique authentication service that allows authenticating users in such a way that a password never leaves the user’s browser and the verifier is not able to impersonate the user.

Web Authentication

Each time a web-application provides authentication, both login and password details are sent. In most cases the credentials are transferred from a client to a server using HTTP.

SeDiCi Technology

To provide security, SeDiCi uses a fast and lightweight userid/password login model based on zero knowledge proof (ZKP). Such an authentication approach is considered to be the most secure way of proving identity. Our work demonstrates that this has been infeasible until now due to its specific requirements: asynchronous communication and computational requirements for user’s browsers. However, the advent of AJAX Web 2.0 technologies coupled with a novel method of implementing Zero Knowledge Proof proves the feasibility of such an approach now.

Developer

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