

SBOX

Enterprise Testing Grid secure | managed | scalable

The security and performance of deployment behind your firewall paired with the convenience of traditional SaaS solutions.

SBOX is built for enterprises with high security, scalability and performance needs. It is fully managed and helps organizations to simplify their Selenium and Appium infrastructure for cross browser and mobile tests.



How is SBOX different to a traditional SaaS service?

SBOX is a highly secure, scalable Enterprise Testing Cloud for web and mobile testing (automated and manual). It is installed inside the customer's network and infrastructure and hence addresses the following main shortcomings of traditional SaaS products:

Data privacy & Compliance

Security

Scalability

Performance

Why SBOX?





Security and data privacy are highly critical for enterprises, especially for banking, insurance and healthcare organizations. Using SaaS services for cross browser and mobile testing requires you to send data to the SaaS provider and to grant the SaaS provider access to your infrastructure.

The moment data leaves an organization's network, data privacy regulations may be severely breached. The consequences of allowing data to be accessed by an external organization are numerous: legal action taken against the company; loss of client trust and business; negative effects on the reputation of the company; identity theft, fraud, etc.

Who is SBOX made for?

SBOX is designed for enterprises handling sensitive data who have high security requirements especially around data privacy (e.g. GDPR, HIPAA, CCPA). Furthermore SBOX integrates natively with your existing frameworks and infrastructure and provides unparalleled performance and scaling options.

SBOX addresses the following key shortcomings of traditional SaaS solutions

 <h3>Data Privacy</h3> <p>When using traditional SaaS solutions, your test data is sent to the SaaS provider and is visible in clear on their systems. If your test data is not 100% synthetically generated but is cloned from production, anonymized, or pseudonymized, you are likely breaching data privacy regulations (e.g. GDPR, CCPA, HIPAA) as well as your own privacy policy. All test artifacts like screenshots, videos and logs are on the SaaS provider's servers.</p> <p>SBOX is installed 100% inside your network and firewall. No data leaves your network.</p>	 <h3>Security / External Access</h3> <p>With SaaS solutions an external access to your application under test is required. This is typically achieved by using a tunnel or via a VPN between your internal network and the SaaS provider. This mechanism may however give the SaaS provider access to a wide spectrum of your internal infrastructure going beyond just the applications under test.</p> <p>SBOX does not require external access or tunnels.</p>
 <h3>Legal & Compliance</h3> <p>Terms of Service from traditional SaaS providers typically contain the following language:</p> <ul style="list-style-type: none"> - Customer is only allowed to use dummy or non-sensitive data for the tests - Customer warrants to the SaaS provider that customer has sufficient rights in the data that is used to send it to 3rd parties - Customer grants rights to the SaaS provider to use, store, modify, display the customer's data - Customer indemnifies the SaaS provider in case not only dummy data is used which results in a data privacy breach <p>With SBOX you are able to use any kind of data for testing and you keep full control over it.</p>	 <h3>Performance and scalability</h3> <p>Due to the physical distance between your own infrastructure and the SaaS provider's data center, network latencies are unavoidable and may significantly decrease performance of your tests - introducing flakiness and limitations to scalability at the same time.</p> <p>SBOX is installed in the same network as the rest of your engineering pipeline. Therefore latencies are kept to a minimum which increases performance of your tests and provides a highly stable test execution platform.</p>

Key enterprise Features

Inside your network



SBOX is installed on your servers inside your network and behind your firewall. No data leaves your network. No tunnels or external access required.

Maintenance-free



SBOX is maintenance-free. We pre-test all browsers for functionality and compatibility before making them available for SBOX.

Scalability



SBOX is built for scale. The system grows with your needs - from an entry solution to a supercharged central CI / CD continuous testing infrastructure for sophisticated enterprises.

Performance



Your tests run ultra-fast because SBOX is running inside your network with ultra-low latencies.

Web & Mobile



Chrome, Firefox, Firefox ESR, Internet Explorer, Edge, Safari as well as iOS and Android are supported in the most recent and previous versions.

Videos



Take videos of your tests for better analysis and more transparency of your test runs.

CI / Continuous testing



Built for use in a CI / CD environment, SBOX is at the heart of your CI pipeline. Run as many tests in parallel as you want. Seamless integration with any CI system.

Enterprise access control



You may have a large variety of users who access SBOX. We give you fine grain control over access rights. We also seamlessly integrate with identity management systems like LDAP, Atlassian Crowd etc.

SSO / authentication



SBOX supports enterprise authentication mechanisms e.g. Kerberos, client certificate, PKI, SPNEGO. This enables the test of application that require single sign-on in an enterprise setting.

Manual testing



Start browsers and mobile devices for manual testing. Recreate bugs easily and have access to browsers that are not installed on your local machine.

Rights management



Assign roles and permissions to individuals and groups. Control who can access the SBOX system.

Project Management



Set up projects that reflect your organization. Add individual users or whole teams. Get real time usage data as you need it.

Enterprise Proxy support



Simplified configuration of company proxies for your automated tests. Centrally manage the proxy configurations so you don't have to do it in your tests.

Reporting & Monitoring



Advanced reporting for system usage, monitoring tools and integrations are available. Screenshots, videos and live debugging capabilities simplify automated testing throughout the entire lifecycle of the application.

24 x 7 Enterprise Support



We know how important it is to get instant resolution in case you encounter any issues with your automated testing infrastructure. We provide around the clock support for all global regions.

Concurrency control



Control test concurrency and set quality of service parameters on an individual, team and project level.

Live view & debugging



Set a breakpoint in your code and debug your test in real time. SBOX provides superior debugging and live testing capabilities.

Local testing



Test your application directly on your developer machine. No tunnels etc. are required because SBOX is already running inside your network.

Browser developer tools



Use the built in developer tools of the browsers. Deep dive into your test while running the developer tools to pinpoint those complex issues.

Tool agnostic



Run tests from any source. You are not tied to a specific vendor framework or toolset. SBOX supports the standard Selenium and Appium protocol and API.

Browser interaction



Manually interact with browsers while your tests are running. SBOX supports manual access to all browsers.

Professional Services



We understand that as an enterprise you have complex and unique environments. That's why we support you all along the way with professional services and custom feature implementations when you need them.

Inside your network
Maintenance free
Secure
Highly scalable
Lightning fast

About Element34 Solutions GmbH

Element34 Solutions GmbH is the leading provider for managed Enterprise Testing Cloud and Infrastructure deployed inside the corporate firewall.

The company was founded in 2015 and has a global customer base with a focus on large enterprises in the insurance, banking and healthcare industry. We are headquartered in beautiful Switzerland and provide all services with our own staff based in Switzerland.

The company's flagship product SBOX is designed for enterprises with high security, scalability and performance needs.



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