

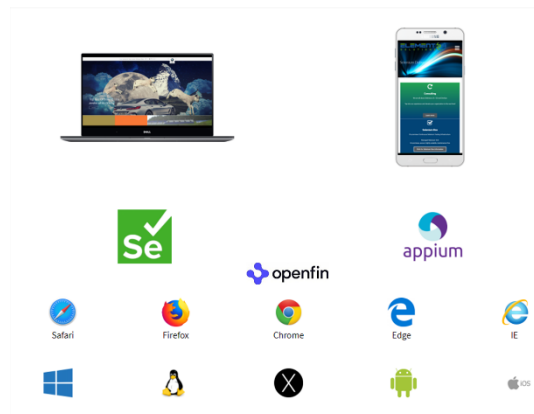
SeleniumBox

Enterprise Selenium Grid inside your firewall | managed | scalable

Continuous Testing Cloud INSIDE your network

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

SeleniumBox
Enterprise Selenium Grid inside your firewall | managed | scalable



Selenium Box 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.

Inside your network



Selenium Box 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



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

Scalability



Selenium Box 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 Selenium Box 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, Selenium Box 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 Selenium Box. We give you fine grain control over access rights. We also seamlessly integrate with identity management systems like LDAP, Atlassian Crowd etc.

SSO / authentication



Selenium Box 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 Selenium Box 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. Selenium Box provides superior debugging and live testing capabilities.

Local testing



Test your application directly on your developer machine. No tunnels etc. are required because Selenium Box 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. Selenium Box supports the standard Selenium and Appium protocol and API.

Browser interaction



Manually interact with browsers while your tests are running. Selenium Box 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

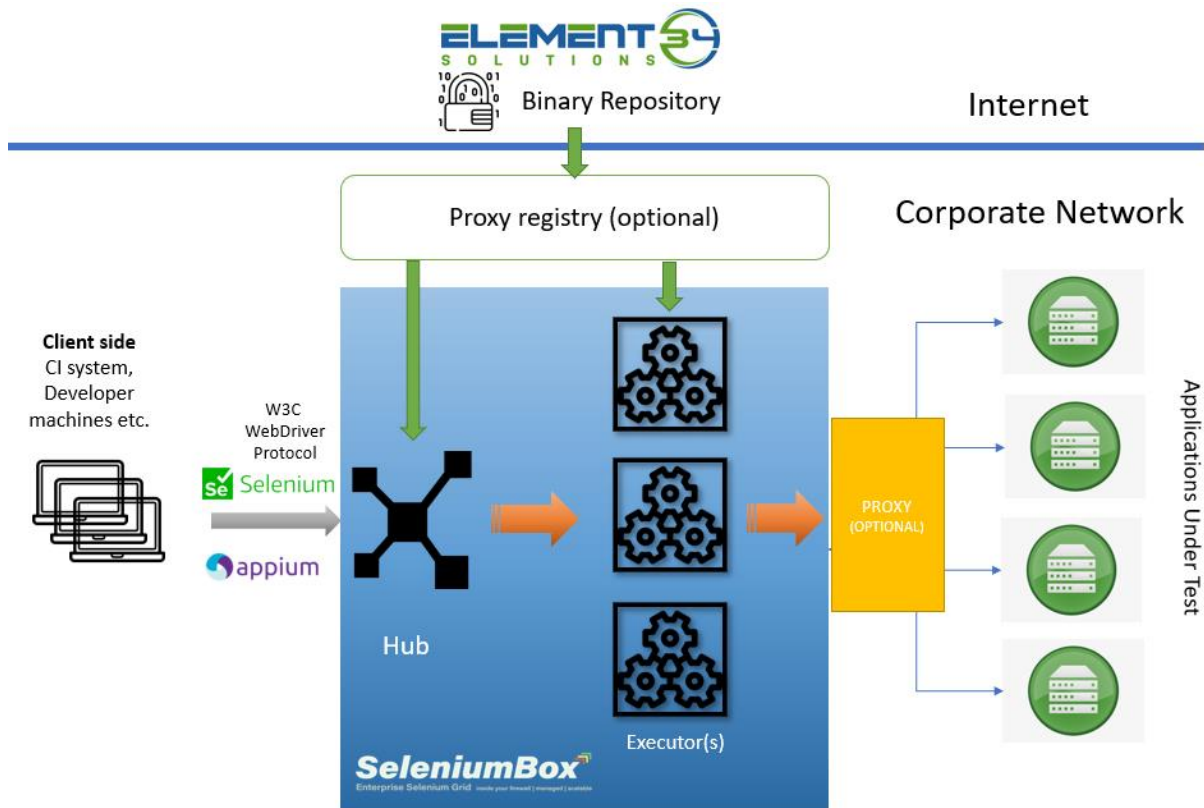
Maintenance free

Secure

Highly scalable

Lightning fast

High-Level Implementation Architecture



- Selenium Box is deployed on your corporate servers or in your AWS, Azure, Google cloud inside your corporate firewall.
- No data is sent outside and no external access to the systems under test is required.
- A typical SBOX system consists of one Hub and one or multiple Executors.
- The Hub and Executors are deployed on standard Linux servers (e.g. RedHat, CentOS).
- Executors can run any type of browser. The number of concurrent browsers / tests per executor depends on the available number of CPUs on an executor.
- Browser and ecosystem updates are delivered via a fully secure mechanism where Selenium Box pulls the binaries from Element34's private repository.



About Element34 Solutions GmbH

Element34 is the leading provider for managed Selenium Grid infrastructure deployed inside the corporate firewall. The company founders and employees are key contributors and thought leaders to Selenium.

Element34 Solutions GmbH was founded in 2015 and has a global customer base. We are headquartered in Lachen, Switzerland.

The company's flagship product Selenium Box is geared towards enterprises with high security, scalability and performance needs. Selenium Box is maintenance free and helps organizations to simplify their on-premises Selenium and Appium infrastructure for cross browser and mobile tests.



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