Set up BrowserStack and configure AIQ

Set up BrowserStack and collect the required data

Prepare the account

1. Open BrowserStack sign-in and use the intended team account or organization membership.
2. Confirm that the account can use **Automate** for the browser/device combinations you need. This integration launches web browsers; it does not require uploading an IPA or APK.
3. Open Account & Profile and find the automation **Username** and **Access Key**. BrowserStack also documents these under Automate settings. Copy the displayed automation username exactly; do not substitute an email address or account password.
4. Check the account's plan and current use before increasing parallel execution. AIQ's account check and BrowserStack's Plan API documentation explain the available parallel capacity.
5. For automated accessibility, confirm the account has the required Accessibility entitlement. BrowserStack's overview states paid-plan availability; framework onboarding also mentions trials, so verify the entitlement actually enabled for your account.

Data you need	Where to get it	Where it goes
Automation username	BrowserStack Account & Profile / Automate settings.	AIQ BrowserStack username; direct configuration: browserStack.username.
Access key	The same BrowserStack account settings.	AIQ access-key field; direct configuration: browserStack.accessKey. Never place it in a URL, a scenario or this page.

Data you need	Where to get it	Where it goes
Browser, version, OS and device tuple	AIQ **Load / refresh catalog**; BrowserStack's browser/device selection guide and browser-list API.	An enabled profile's target. Use exact catalog values.
Parallel capacity and current usage	AIQ account check / BrowserStack Automate plan.	Choose maxSessions per DSServer, with enough account capacity for all nodes together.
Project name	A stable team-chosen label, for example CustomerPortal-QA.	AIQ Project name / defaults.projectName. It groups reports and helps create direct report links.
Local binary path	The matching Appvance installation.	Normally ./browserstack-local; it is a path on each execution machine, not a value from the BrowserStack account.
Application URL and test data	The application/environment owner.	Your DesignerScript and existing test-data configuration. BrowserStack does not supply application accounts or business data.

BrowserStack's capabilities reference documents provider settings. AIQ/DSServer uses its own validated configuration schema; do not paste a complete SDK YAML or raw capability object into the AIQ settings.

Credential changes: after rotating a BrowserStack key, enter the replacement in AIQ, save, and apply it to standalone workstations. Scenario nodes receive current settings during launch. Saving the AIQ key field blank preserves the saved key; it does not clear it.

Configure AIQ and your WebDesigner

Save the central configuration

1. Sign in to AIQ as an **administrator or owner**.
2. Open **Admin Options → Services → BrowserStack**. The route is /UI/admin-options.html#services; use your AIQ server's origin.
3. Enter the BrowserStack username and access key. The saved key is redacted on readback.
4. Leave **BrowserStack Local base path** as ./browserstack-local unless the node installation uses another location.

5. Set **maximum concurrent sessions**. The default is 1 per node. Raising it does not increase the BrowserStack account's quota.
6. Choose the **Build name**: *Generated build name each run* (default), *One build name per day* (AIQ-YYYY-MM-DD) or *Static build name* (AIQ-Executions). Optionally enter a **Build name suffix**, added to the end after a dash. It allows up to 64 letters, digits, dots, underscores or dashes. The field shows the resulting name, and **Save settings** stays disabled while the suffix is invalid. Session names always stay unique per run.
7. Click **Load / refresh catalog**. Search by browser, version, OS or device; results are paged in groups of 25. Add the combinations your team needs.
8. Use stable, unique profile names beginning with BrowserStack-. Enable the profiles that should appear in selectors.
9. Review **Accessibility testing**. It is on by default, with WCAG 2.1 AA. Set a stable project name, or turn accessibility off when it is not wanted or the account lacks entitlement.
10. Turn on the integration and click **Save settings**. Account and catalog checks do not create cloud browser sessions.

Apply to the correct machine

Action	Destination	What success means
Save settings	AIQ central settings, followed by a best-effort HTTP apply to **the AIQ server's own localhost**.	The settings were saved. Save can succeed while that server's WebDesigner is stopped.
Apply to My Local Webdesigner	A direct request from your browser to http://localhost:9090 on **your workstation**.	Your running local DSServer accepted the saved revision. Start WebDesigner first; no open design session or WebSocket is required.
AIQ scenario launch	The **selected execution node**, using the private node-configuration channel.	The node applies the expected revision and verifies the selected profile before allocating a browser.

After local Apply succeeds, reopen or refresh WebDesigner's browser selector. Desktop profiles appear under **BrowserStack**; device profiles appear under **BrowserStack mobile**. Settings persist in the receiving DSServer's active global.json.

Remote AIQ server: localhost in the Apply button means the computer running your browser, not the AIQ server. Browser private-network, local-network or mixed-content policies can block this call. Use your organization's approved browser/site permissions; the page reports Your local Webdesigner is unreachable. for connection, timeout or browser-policy failures.

Maintain profiles safely

- Only enabled, saved profiles appear for new selections. A disabled profile referenced by an existing scenario stays visible as unavailable; it is not silently replaced.

- Do not rename a profile already used by saved scenarios. Add a new named profile when a distinct target/version is needed.
- Fresh settings receive the starter list. Saved custom, disabled or deliberately empty lists are preserved; an upgrade does not reseed them.
- Once accessibility settings are saved, every receiving node needs the updated DSServer. Older nodes reject the new policy keys.

Choose browsers and devices

The following twelve profiles are present in the reviewed source defaults after the 16 Nov 2026 catalog refresh. **This is a source snapshot, not a promise that every deployed AIQ installation already contains the refresh or that every target has passed playback.** Refresh the account catalog before adding targets.

Profile name	Configured target	Acceptance note
BrowserStack-Chrome-Latest-Windows11	Chrome latest · Windows 11	Playback and accessibility verified.
BrowserStack-Edge-Latest-Windows11	Edge latest · Windows 11	Saved-script playback verified; DS skips accessibility.
BrowserStack-Firefox-Latest-Windows11	Firefox latest · Windows 11	Playback verified; DS skips accessibility.
BrowserStack-Chrome-Latest-Windows10	Chrome latest · Windows 10	Not played in the recorded checks.
BrowserStack-Chrome-Latest-macOS-GoldenGate	Chrome latest · macOS Golden Gate	New target; playback pending.
BrowserStack-Safari-Latest-macOS-GoldenGate	Safari latest · macOS Golden Gate	New target; playback pending.
BrowserStack-Safari-Latest-macOS-Tahoe	Safari latest · macOS Tahoe	New target; playback pending.
BrowserStack-Chrome-Pixel11-Android17	Google Pixel 11 · Android 17.0	New target; playback and accessibility pending.
BrowserStack-Chrome-GalaxyS26-Android16	Samsung Galaxy S26 · Android 16.0	New target; playback and accessibility pending.
BrowserStack-Safari-iPhone18Pro-iOS27	iPhone 18 Pro · iOS 27	New target; playback and accessibility pending.
BrowserStack-Safari-iPhone16-iOS18	iPhone 16 · iOS 18	Playback verified on 18.5/18.6; accessibility pending.
BrowserStack-Safari-iPadAir13-iOS26	iPad Air 13 (2025) · iPadOS 26	New OS target; playback and accessibility pending.

Desktop profiles can use latest; reproducible release testing should select an explicit catalog version when required. Mobile profiles select an exact device and OS combination. Catalog

availability, account entitlement, DSServer feature support, and verified application playback are separate checks.

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