

ALEXA SKILL & GOOGLE ACTION TESTING CHECKLIST

10+ resources to get started

MANUAL TESTING

- Test your Alexa skill or Google Action manually using the right device for the job
- Using your voice (For Alexa skills, try **echosim.io**, **Reverb.ai**, echo devices. For Google Actions use Google Home Devices)
- Without speaking: **Bespoken CLI**, **Alexa Test Simulator**, and **Google Actions Simulator**



UNIT TESTING



- Write unit tests using the library of your choice (we recommend using our simple **YAML test scripts**)
- Use our **Virtual Alexa SDK** if you need to handle more complex scenarios using a programmatic approach
- Set up code coverage using your preferred tool (Like **CodeCov**)
- Configure your continuous integration service to run the tests whenever code is changed (e.g. **Travis CI**, **CircleCI**, **Jenkins**)

END-TO-END TESTING

- Plan out your end-to-end test cases and create simple yet thorough test scripts with the **Bespoken YAML-based syntax**.
- Perform testing with **Bespoken's CLI** or **Virtual Device SDK** for more complex scenarios.
- Confirm results for utterance resolution and skill action behavior



CONTINUOUS TESTING



- Wrap end-to-end tests into a continuous deployment (CD) process
- Run regression tests whenever a new feature is added
- Enable **monitoring with Bespoken** to run tests continuously after launch

USABILITY PERFORMANCE TESTING

- Focuses purely on testing the ASR and NLU
- Comprehensive testing of the interaction model
- Creates baseline results, which then can be iterated on
- Start **here** to ensure speech recognition and NLU work at their best in your voice app.

