

Testing Firebase Functions



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What You Will Learn



Running functions locally

- Using command line
- Using Cloud Functions shell

Unit testing functions

- Setting up
- Testing non-HTTP functions
- Testing HTTP functions



Running Functions Locally



Running Functions Locally

**Cloud Functions
shell**

Firebase CLI



firebase serve



Demo



Running Functions Locally



Setting Up Testing Environment



Using firebase-functions-test

Offline mode

Online mode



Demo



Setting Up Testing Environment



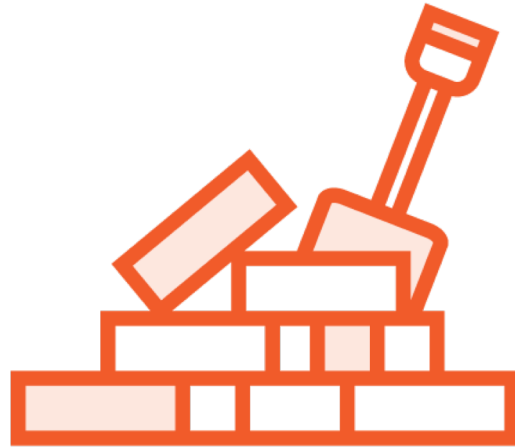
Testing Background (Non-HTTP) Functions



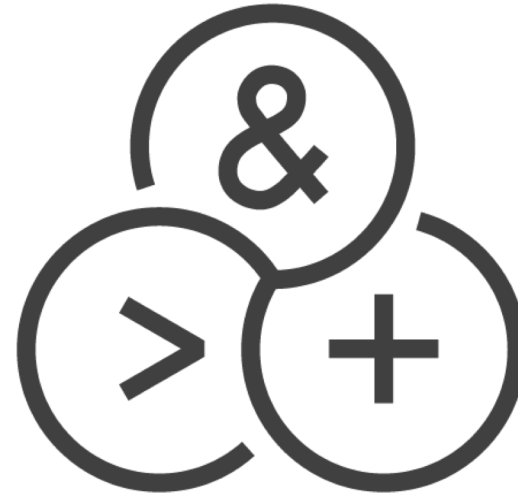
The Testing Process



Wrap



Construct



Invoke



Assert

Demo



Testing Background (Non-HTTP) Functions



Testing HTTP Functions



Demo



Testing HTTP Functions



Summary



Running functions locally

- Using command line
- Using Cloud Functions shell

Testing functions

- Setting up
- Testing non-HTTP functions
- Testing HTTP functions

