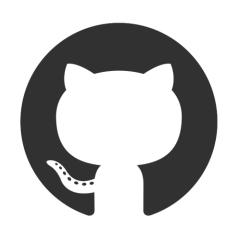# Integrating Node.js Applications with Github

Introduction to Integrating Node.js Applications with Github

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Course Roadmap

Testing GitHub Applications with Continuous Integration Software (Travis)

Deploying GitHub Branches Automatically with Cloud-Based Deployment Software (Heroku)

Automatically Creating Issues and Managing Repos with Discussion Board Software (Trello)

Integrating Custom Node.js Webhooks with GitHub

Before Beginning the Course

Sign up for account at Github.com

Install GIT on workstation

Time will be allocated to sign up for other services

Why Integrate Applications with GitHub?

Github commonly used to manage shared code base

Manual testing, error-prone and time-consuming

Save lots of time with many developers

Prevent low-quality code from ever entering repo

Business Reasons to Integrate Applications with Github

Prevent breaking changes from deploying

Automatic review branches allow senior technicians to review changes

Integration with message boards boost communications with clients

Leverage 3rd-part SAAS, saving money