



# Edge API Lifecycle and Tools

Grunt Deploy plugin

# Prerequisites

1. Node.js
2. npm
3. Edge account with deploy access

# Why Choose Grunt Plugin?

- It's pure JavaScript running on Node.js. Enough said, right :-). Pluggable environment (thousands of npm and grunt modules and plugins)
- Grunt is perfect for applying continuous improvement by easily adding custom tasks. Deploys Node.js API Proxies.
- Reviews JavaScript file complexity by leveraging Grunt-Complexity, does static code analysis and is ready for TDD with Mocha/Chai
- It's easier to troubleshoot. cURL command support. Just pass --curl=true
- Searches and replace files content with RegEx, string patterns, or XPath. See string-replace and xmlpoke tasks in Gruntfile.js
- It's compatible with most CI tools Jenkins, Bamboo, Go, and Travis
- Sends automatic desktop notifications with [Grunt Notify](#)
- It's compatible with IDEs. See [Chrome Grunt Dev Tools](#) and [Grunt Task Runner for Web Storm](#)
- It's compatible with Maven.

# Grunt deploy plugin

- The plugin supports the following tasks:
  - deploy
  - undeploy
  - update
  - import/export bundle
  - get all deployed API revisions
  - get all API revisions
  - delete revision
- Also supports
  - Config Management
  - String search and replace
  - Supports JavaCallout Policies - compiles, package and include Java library dependencies.

Lab

## API dev best practices

- Use SCM (git, etc) as single source of truth for common code and proxy
- Know who made a change to the common code
- Know when a change was made
- Plug this as part of automation

## *Benefits*

- *Code re-use*
- *Avoids/Reduces manual tasks in promoting API from one env to another*
- *Avoids/Reduces manual tasks in moving API from one org to another*

# Disclaimer

- Open source project github project  
<https://github.com/apigeeecs/apigee-deploy-grunt-plugin>
- Contribute and join the community
- Use [community.apigee.com](https://community.apigee.com) to ask questions
- File issues in [github.com](https://github.com) to report bugs or enhancements

THANK YOU