

# Edit Remote Files



Chef Fundamentals by [Chef Software, Inc.](#) is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](#).

# Lab Setup

- Our labs include a remote Linux-based workstation
- The easiest way to edit files there is using a command line text editor such as
  - vim
  - emacs
  - nano

## But...

- This isn't a class about how to use a command line text editor such as
  - vim
  - emacs
  - nano

## Copying files to the remote workstation

- You could copy files back-n-forth between your laptop and the workstation using scp
  - But that would be terribly inefficient and error-prone
- You could synchronize the files using a version control system such as git
  - But that will require some additional setup

## Edit remote files from your laptop

- Your favorite graphical text editor probably supports editing remote files through a plugin
- Let's look at how to set this up in Atom

# Objective

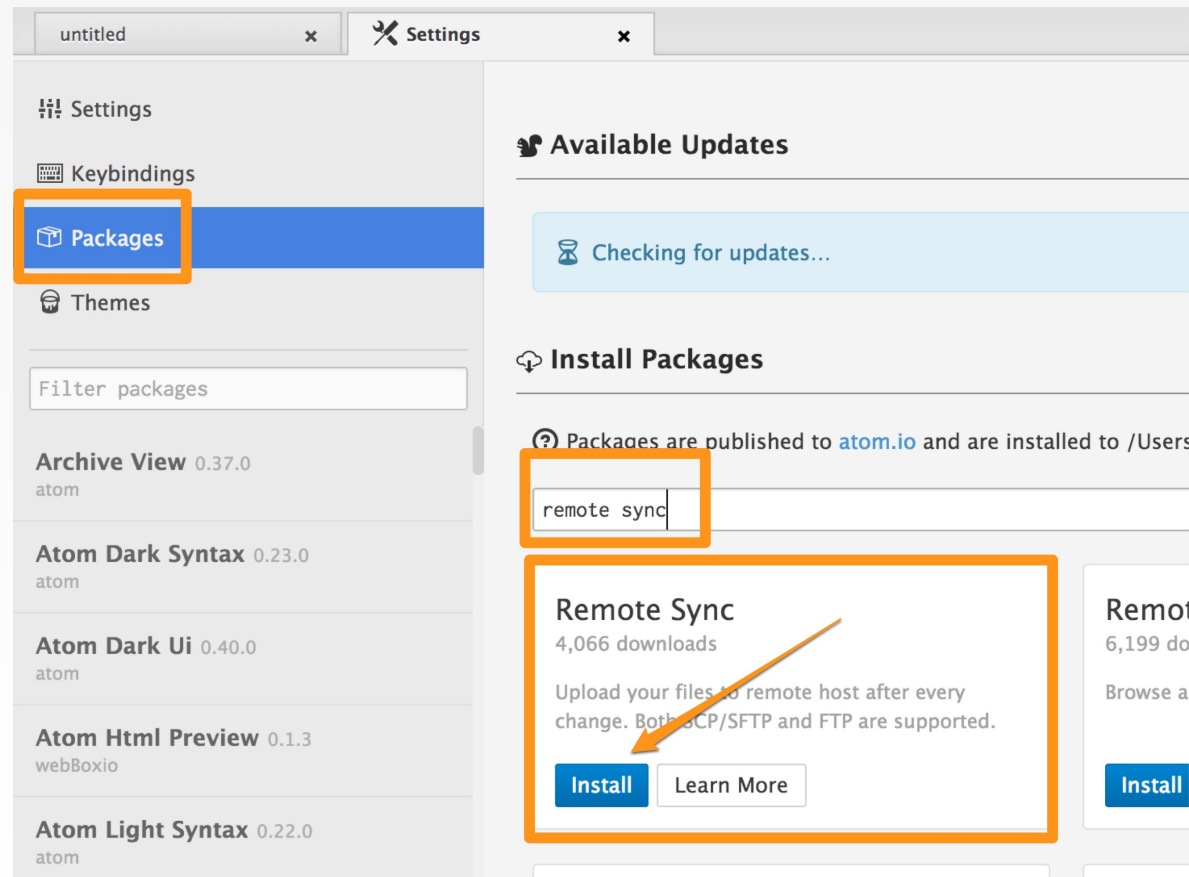
- Edit remote files from your local workstation

# Remote Sync with Atom

v0.0.1



# Install the Remote Sync Package



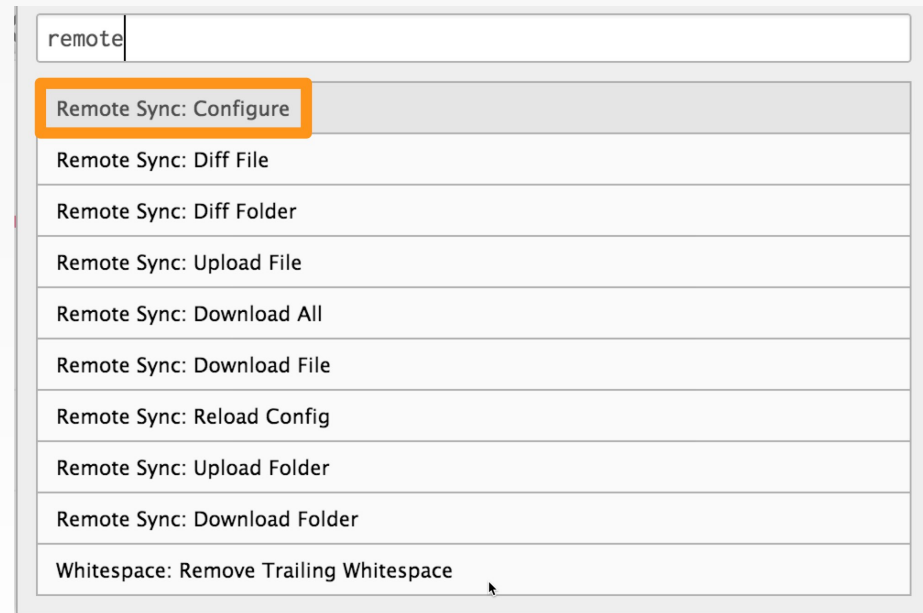


## Open a Folder in Atom

- Create a folder where you will store your work for this class. The folder can be empty for now.
- Open the folder in Atom
  - File > Open ... select the folder (Mac)
  - File > Open Folder ... select the folder (Windows)

# Remote Sync: Configure

- cmd + shift + P on Mac
- ctrl + shift + P on Windows
- ctrl + shift + P on Linux



# Configuration

- Hostname
  - Your IP Address
- Port
  - 22
- Target directory
  - /home/chef

SCP/SFTP

FTP

Hostname

54.173.151.68

Port

22

Target directory

/home/chef

Ignore Paths

.chefdk/\*\*, .chefdk/\*\*/.\*, .gem/\*\*

Username

chef

privatekey

password

useAgent

Password

chef

☒ uploadOnSave

Cancel

Save

# Configuration

- Ignore files
  - .chefdk/\*\*,
  - .chefdk/\*\*/.\*,
  - .gem/\*\*
  - .git/\*\*

SCP/SFTP

FTP

Hostname

54.173.151.68

Port

22

Target directory

/home/chef

Ignore Paths

.chefdk/\*\*, .chefdk/\*\*/.\*, .gem/\*\*

Username

chef

privatekey

password

useAgent

Password

chef

☒ uploadOnSave

Cancel

Save

# Configuration

- Username
  - chef
- Password
  - Click password button
  - Enter your password
- uploadOnSave
  - Checked

SCP/SFTP

FTP

Hostname

54.173.151.68

Port

22

Target directory

/home/chef

Ignore Paths

.chefdk/\*\*, .chefdk/\*\*/.\*, .gem/\*\*

Username

chef

privatekey

password

useAgent

Password

chef

☒ uploadOnSave

Cancel

Save

# Verify Configuration

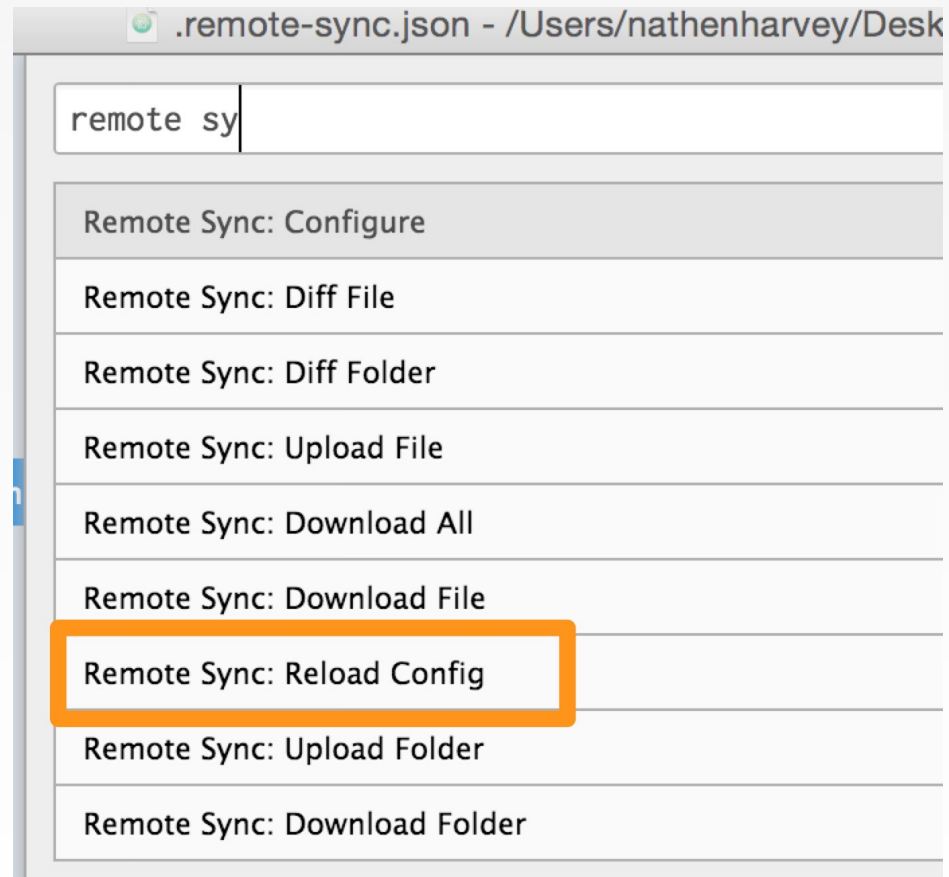


**OPEN IN EDITOR:** `.remote-sync.json`

```
{  
  "transport": "scp",  
  "hostname": "THE_REMOTE_IP_ADDRESS",  
  "port": "22",  
  "username": "THE_USERNAME",  
  "password": "THE_PASSWORD",  
  "target": "/home/chef",  
  "ignore": [  
    ".chefdk/**",  
    ".chefdk/**/.*",  
    ".gem/**",  
    ".git/**"  
  ],  
  "uploadOnSave": true  
}
```

**SAVE FILE!**

# Reload the Configuration



# Remote Sync: Download All

remote	
Remote Sync: Configure	
Remote Sync: Diff File	
Remote Sync: Diff Folder	
Remote Sync: Upload File	
Remote Sync: Download All	
Remote Sync: Download File	
Remote Sync: Reload Config	
Remote Sync: Upload Folder	
Remote Sync: Download Folder	
Whitespace: Remove Trailing Whitespace	



# Sync Changes

- Local changes are automatically saved on the remote
- Pull down new files using “Download All”

remote	
Remote Sync: Configure	
Remote Sync: Diff File	
Remote Sync: Diff Folder	
Remote Sync: Upload File	
Remote Sync: Download All	
Remote Sync: Download File	
Remote Sync: Reload Config	
Remote Sync: Upload Folder	
Remote Sync: Download Folder	
Whitespace: Remove Trailing Whitespace	

# Manual Configuration



**OPEN IN EDITOR:** `.remote-sync.json`

```
{  
  "transport": "scp",  
  "hostname": "THE_REMOTE_IP_ADDRESS",  
  "port": "22",  
  "username": "THE_USERNAME",  
  "password": "THE_PASSWORD",  
  "target": "/home/chef",  
  "ignore": [  
    ".chefdk/**",  
    ".chefdk/**/.*",  
    ".gem/**",  
    ".git/**"  
  ],  
  "uploadOnSave": true  
}
```

**SAVE FILE!**