

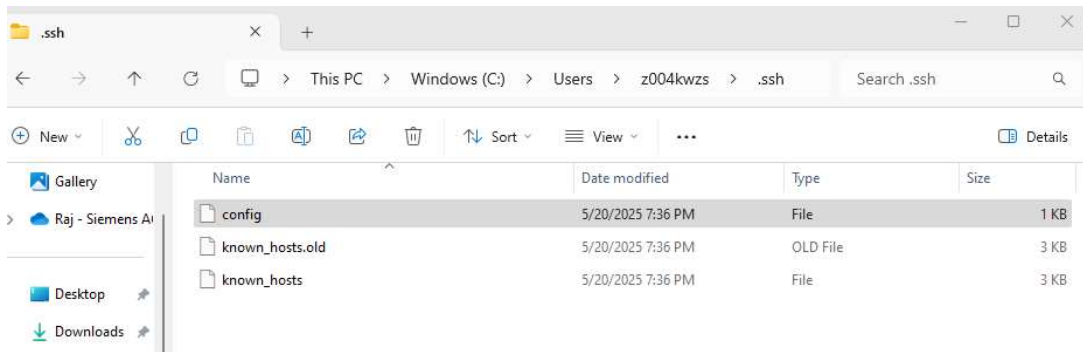
Ckan Code access

Tuesday, May 20, 2025 7:51 PM

Step1: Edit ssh config in your local computer

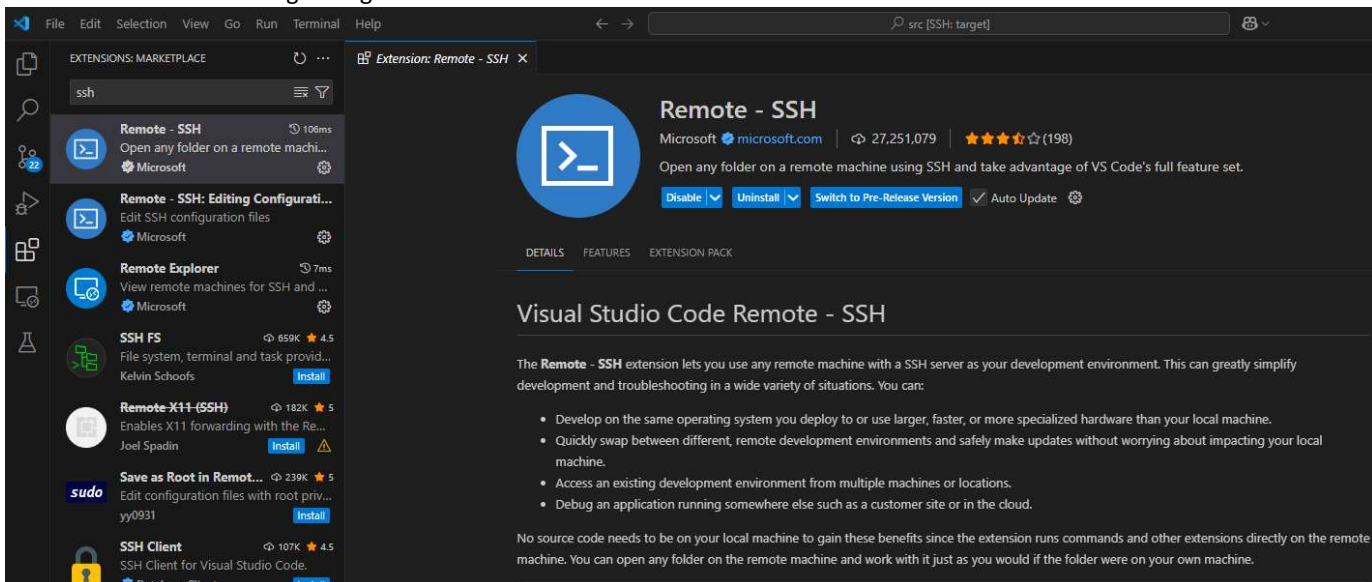
- Navigate to `.ssh\config`: `C:\Users\[replace this with your gid]\.ssh\config`
- Edit with text as below

```
Host jumpbox
  HostName ec2-35-178-196-230.eu-west-2.compute.amazonaws.com
  User ubuntu
  IdentityFile "C:/Users/z004kwzs/Downloads/CKAN_KEY 3.pem"
Host target
  HostName 10.0.3.227
  User ubuntu
  IdentityFile "C:/Users/z004kwzs/Downloads/CKAN_KEY 3.pem"
ProxyJump jumpbox
```



Step 2: Open VS Code

- Add below extensions if not already exist
 - Remote - SSH
 - Remote - SSH: Editing Configuration Files



- Open a terminal and run command: `ssh target`

```
PS C:\Users\z004kwzs> ssh target
The authenticity of host '10.0.3.227 (<no hostip for proxy command>)' can't be established.
ED25519 key fingerprint is SHA256:9hU8DSYK1sT9XIonEPenCNnYajxbMTkFmg5/Anqb18.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.3.227' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue May 20 14:06:41 UTC 2025

System load:  0.04          Processes:           126
Usage of /:   52.6% of 23.0GB Users logged in:     0
Memory usage: 40%          IPv4 address for ens5: 10.0.3.227
Swap usage:   0%

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

   https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

54 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

24 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

*** System restart required ***
You have new mail.
Last login: Tue May 20 13:40:08 2025 from 10.0.1.59
ubuntu@ip-10-0-3-227:~$
```

- Access Dev Code from local VS Code
 - Press F1 or Ctrl+Shift+P to open the **Command Palette**
 - Type: Remote-SSH: Connect to Host...
 - Select **target**
 - Open Folder
 - /lib/ckan/default/src

The image shows a screenshot of an IDE with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a subdirectory 'src/ckanext-scheming' containing various files like '.github', 'ckanext', 'CHANGELOG.md', 'COPYING', 'MANIFEST.in', 'README.md', 'setup.cfg', 'setup.py', 'test_subclass.ini', 'test-requirements-py2.txt', 'test-requirements.txt', 'test.ini', '.test.py.swp', 'test.py', 'yes', and 'yes.pub'. The code editor displays the content of 'setup.py'.

```
1 from setuptools import setup, find_packages
2
3 version = '3.0.0'
4
5 setup(
6     name='ckanext-scheming',
7     version=version,
8     description="Easy, sharable custom CKAN schemas",
9     long_description="""
10     This CKAN extension provides a way to configure and share metadata schemas using a
11     YAML or JSON schema description. Custom validation and template snippets for editing
12     and display are supported.
13
14     Originally developed for the Government of Canada's custom metadata schema, part of
15     https://github.com/open-data/ckanext-canada
16     """,
17     classifiers=[], # Get strings from http://pypi.python.org/pypi/%3Aaction=list\_classifiers
18     keywords='ckan',
19     author='Ian Ward',
20     author_email='ian@excess.org',
21     url='https://github.com/ckan/ckanext-scheming',
22     license='MIT',
23     packages=find_packages(exclude=['ez_setup', 'examples', 'tests']),
24     namespace_packages=['ckanext'],
25     include_package_data=True,
26     zip_safe=False,
27     install_requires=[
28         'pyyaml',
29         'ckanapi',
30         'ckantoolkit>=0.0.7',
31         'pytz',
32         'six',
33     ],
34     entry_points=\
35     """
36     [ckan.plugins]
37     scheming_datasets=ckanext.scheming.plugins:SchemingDatasetsPlugin
38     scheming_groups=ckanext.scheming.plugins:SchemingGroupsPlugin
39     scheming_organizations=ckanext.scheming.plugins:SchemingOrganizationsPlugin
40     scheming_nerf_index=ckanext.scheming.plugins:SchemingNerfIndexPlugin
41     scheming_test_subclass=ckanext.scheming.tests.plugins:SchemingTestSubclass
42     scheming_test_plugin=ckanext.scheming.tests.plugins:SchemingTestSchemaPlugin
43     scheming_test_validation=ckanext.scheming.tests.plugins:SchemingTestValidationPlugin
44     """,
45 )
46
```