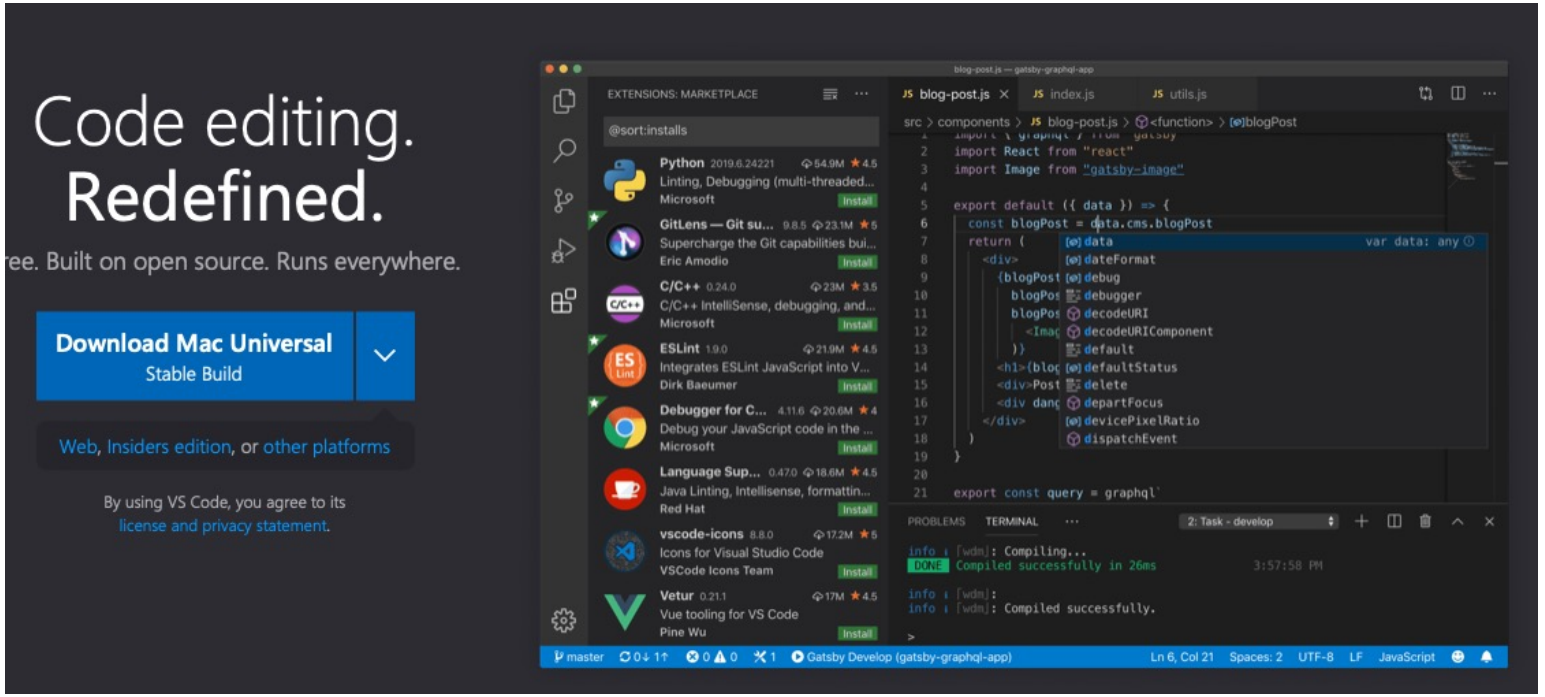

Ansible

Ansible resources

- Official Ansible website
  - https://www.ansible.com
- Ansible source code on GitHub
  - https://github.com/ansible/ansible
- Official Ansible Twitter account
  - https://twitter.com/ansible
- Ansible official documentation
  - https://docs.ansible.com

Ansible and VS Code

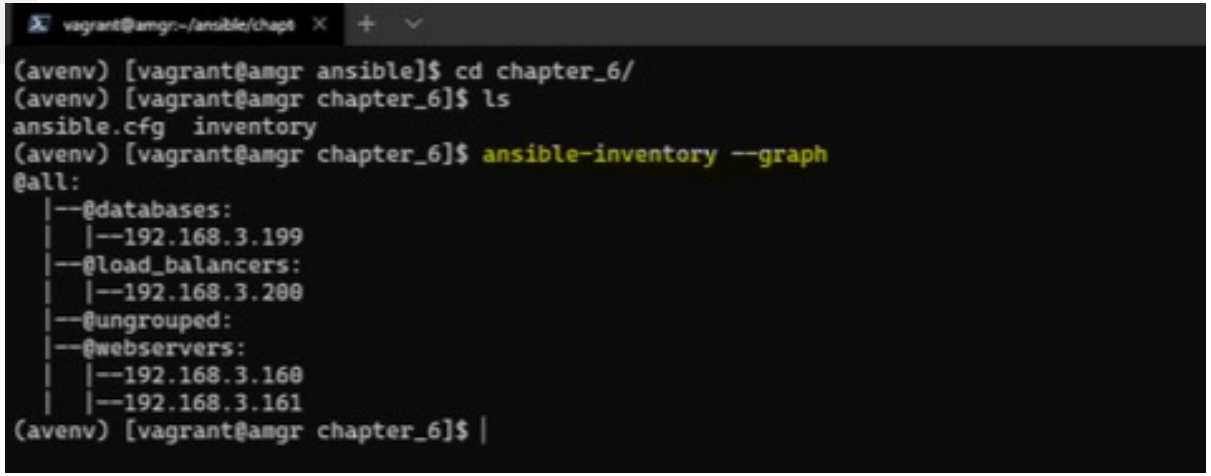
https://code.visualstudio.com



Ansible Code

```yaml
- name: Web Server Playbook
  hosts: webservers
  become: yes

  tasks:
    - name: Pinging web server
      ansible.builtin.ping:
        data: pong
```



What is Ansible

Simple: Playbooks are readable and easy to understand

Powerful: Ansible can manage infrastructure, networks and operating systems

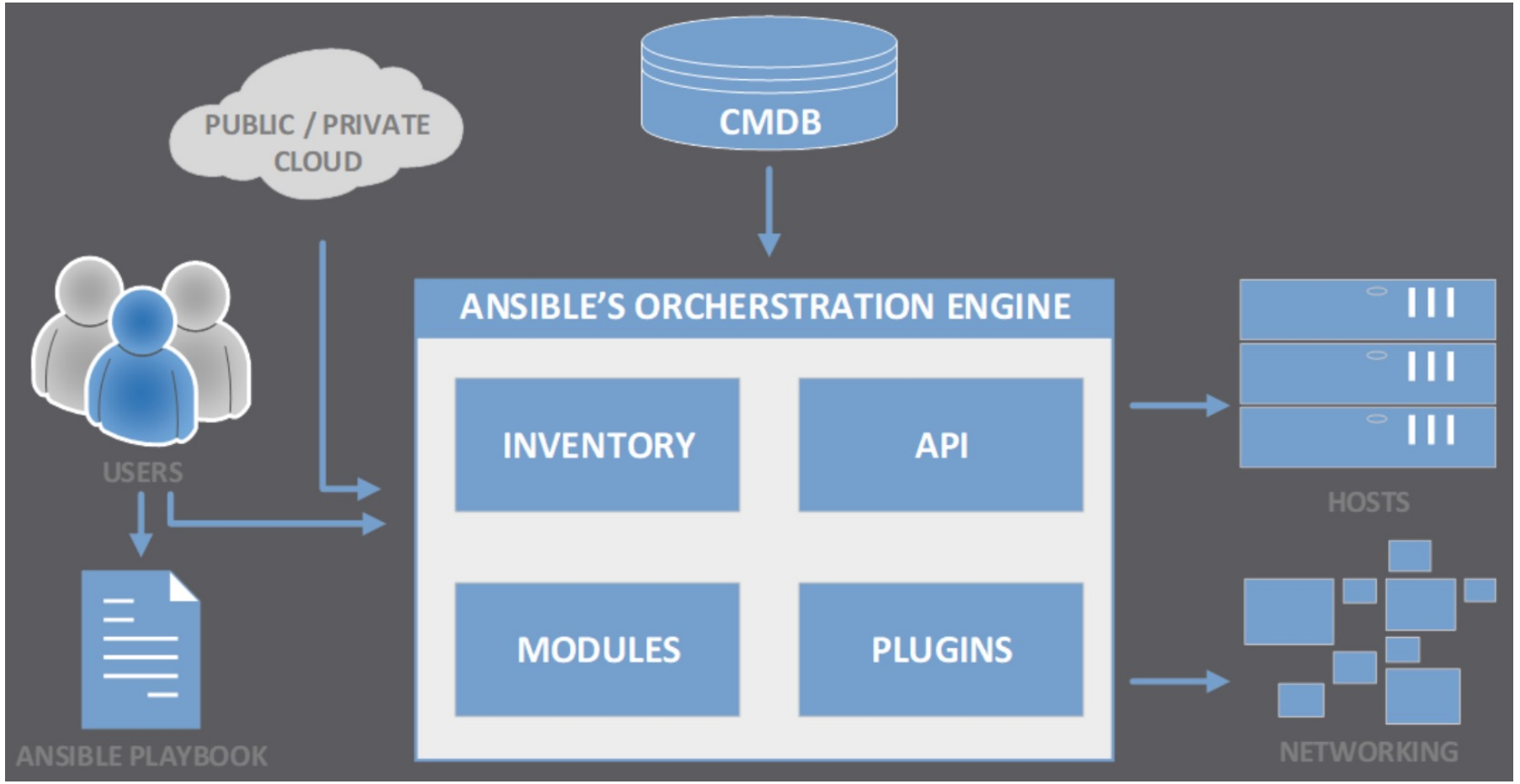
Agentless: Uses Open SSH and Windows Remote Management

Infrastructure: as code (IaC)

Configuration: maintaining infrastructure and software in a desired and consistent state

Why Ansible?

Ansible high level

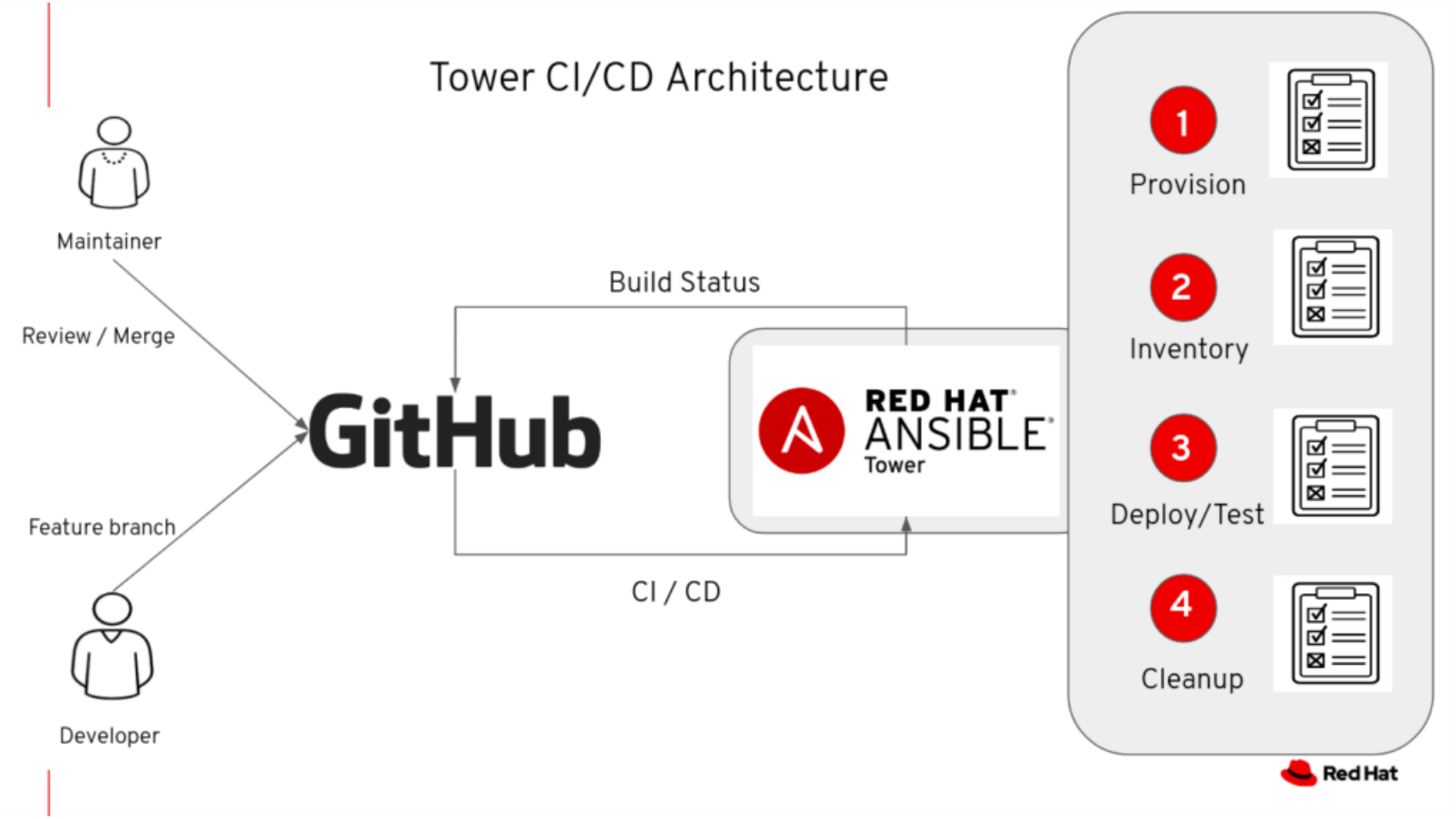


Infrastructure Provisioning

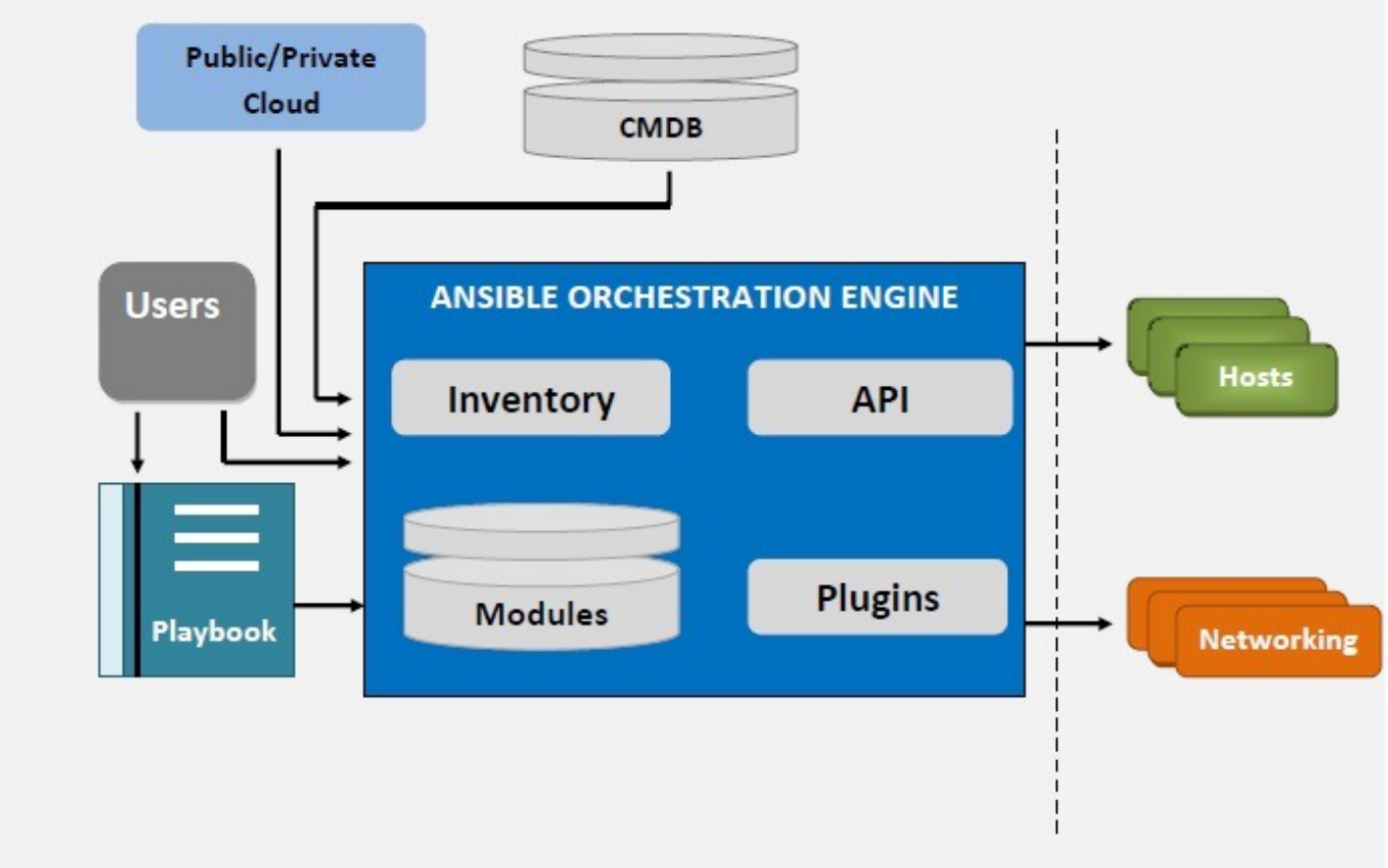
- **Virtualization**: How to provision infrastructure in minutes rather than days.
- **Containerization**: How to provision infrastructure in seconds instead of minutes.
- **Cloud-based resources**: How to provision resources you don’t own.
- **Serverless**: How to provision infrastructure on demand.

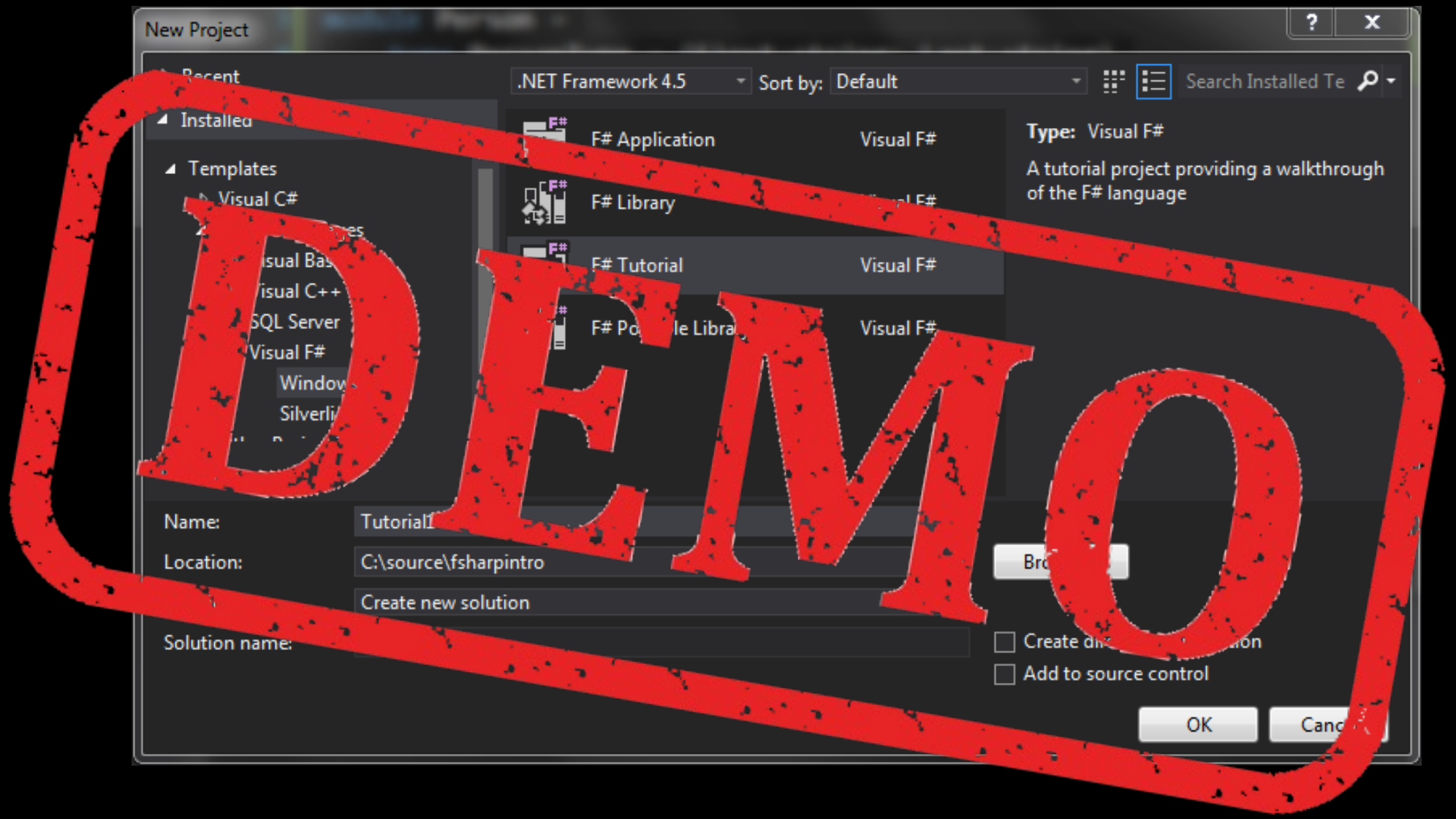
Configuration Management

Application Deployment



Orchestration




New Project
.NET Framework 4.5
Sort by:
Default
Search Installed Te
Installed
Templates
Visual C#
Visual C++
SQL Server
Visual F#
F# Application
Visual F#
F# Library
F# Tutorial
Visual F#
Type: Visual F#
A tutorial project providing a walkthrough of the F# language
Name:
Tutorial1
Location:
C:\source\fsharpintro
Create new solution
Solution name:
Add to source control
OK
DEMO