These steps are for Ubuntu 14.04 systems with python 2.7.

Install:

1 Mongodb

sudo apt-get install -y mongodb-org

2 Apache

sudo apt-get install apache2

3 SUMO

sudo add-apt-repository ppa:sumo/stable  
sudo apt-get update  
sudo apt-get install sumo sumo-tools sumo-doc

4 pip

5 cherrypy

pip install cherrypy

6 svn checkout

apt-get install subversion

cd /opt

mkdir C3STEM

sudo svn co https://forge.isis.vanderbilt.edu/docgroup/svn/C3STEM C3STEM

7 Change permission

root@vu-cloudclass:/opt/C3STEM/Middleware# chown -hR www-data session/

root@vu-cloudclass:/opt/C3STEM/Middleware# chown -hR www-data log/

root@vu-cloudclass:/opt/C3STEM/Middleware# chown -hR www-data static/Data/

8 Web config:

root@vu-cloudclass:/opt/C3STEM/webserver-config# sudo cp etc/apache2/sites-available/\* /etc/apache2/sites-available/

root@vu-cloudclass:/opt/C3STEM/webserver-config# sudo cp etc/apache2/\* /etc/apache2/

9 SSL

a2enmod ssl

10 mod\_wsgi

apt-get install libapache2-mod-wsgi

11 pymongo

pip install pymongo

12 bcrypt

pip install bcrypt

13 g-viz

svn co <https://github.com/google/google-visualization-python>

/opt/google-visualization-python/trunk# python setup.py install

14 DB config

vi /opt/C3STEM/Middleware/config/application.conf

edit the file to add ip address of the mongodb host

14 DB schema

/opt/C3STEM/DB# python c2sumo\_schema\_nashville.py

/opt/C3STEM/DB# python users.py

/opt/C3STEM/DB# vi cloud.py

update the private ip in the file to match the ip of sumo server

/opt/C3STEM/DB# python cloud.py

15 Add key files defined in web-server ssl configuration

16 Add the correct ip addresses to database and configuration files