Automation using Chef

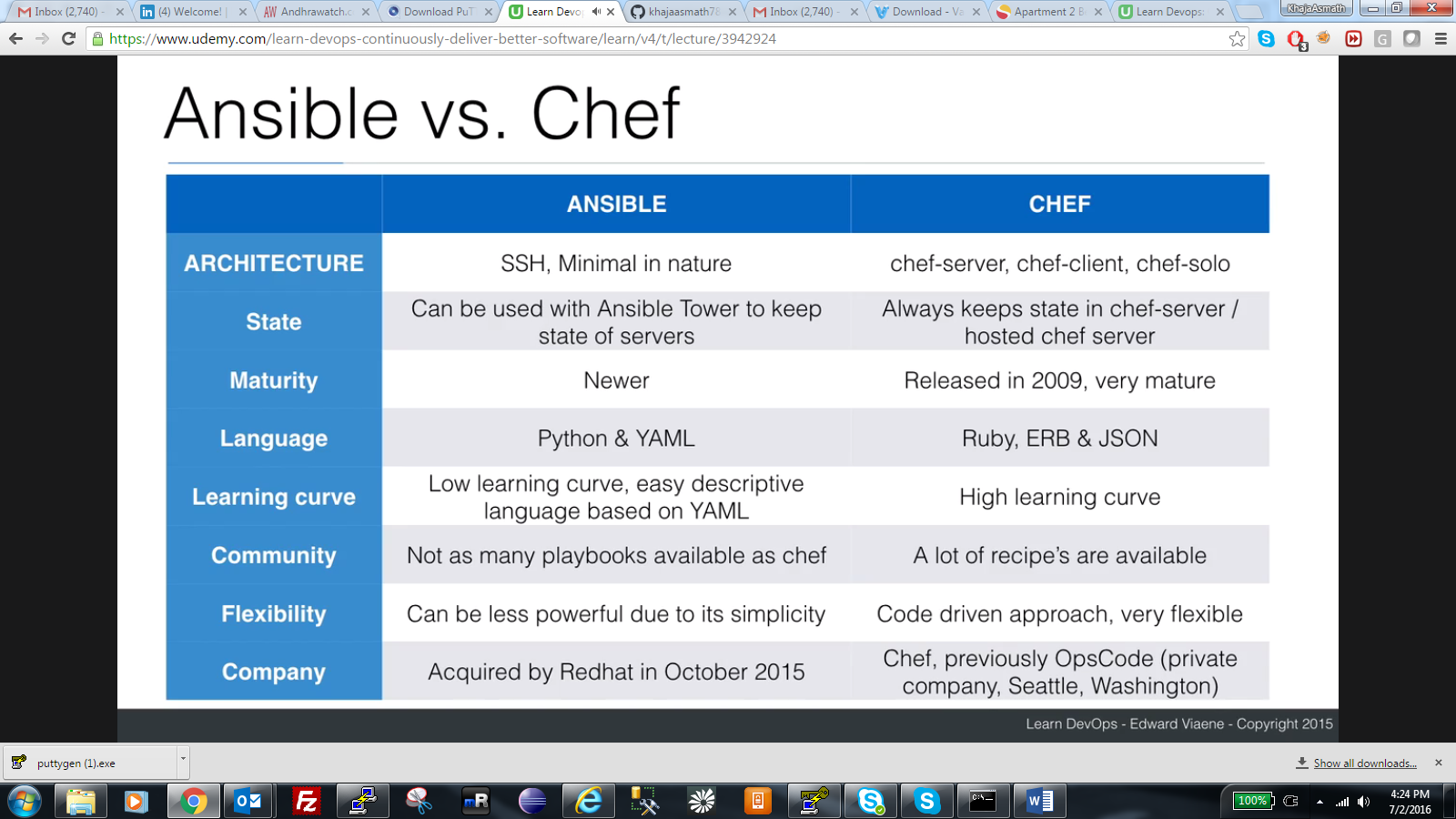


Other 3 has client server model but Ansible doesn’t have that.

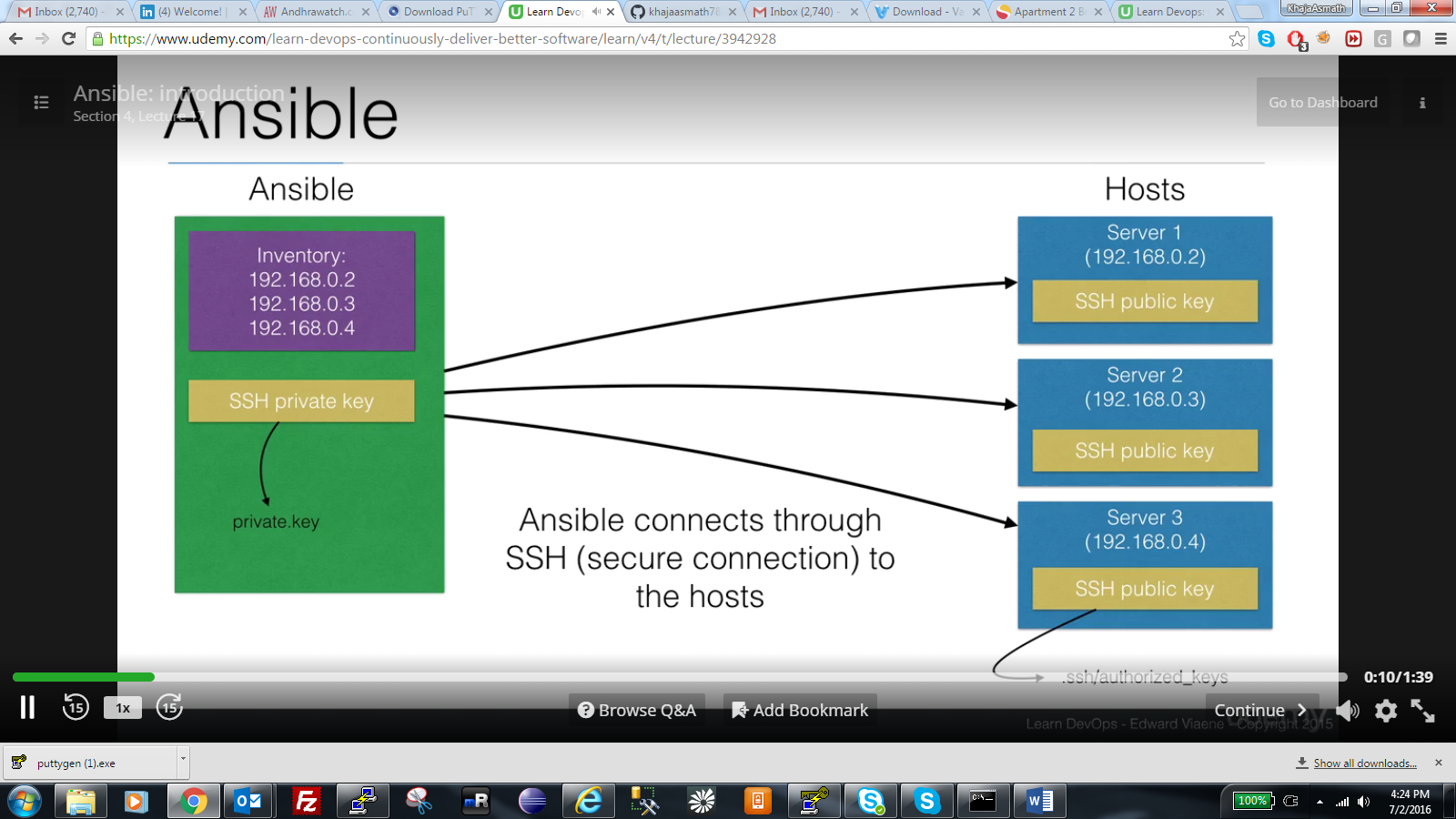
Chef uses clinet on the nodes called chef client which checks server if there are any changes. Default is 30 min. Chef also has push plugin.

Chef solo is standalone server which can operate without chef server.

Chef uses ruby as programming language and json as configuration file.

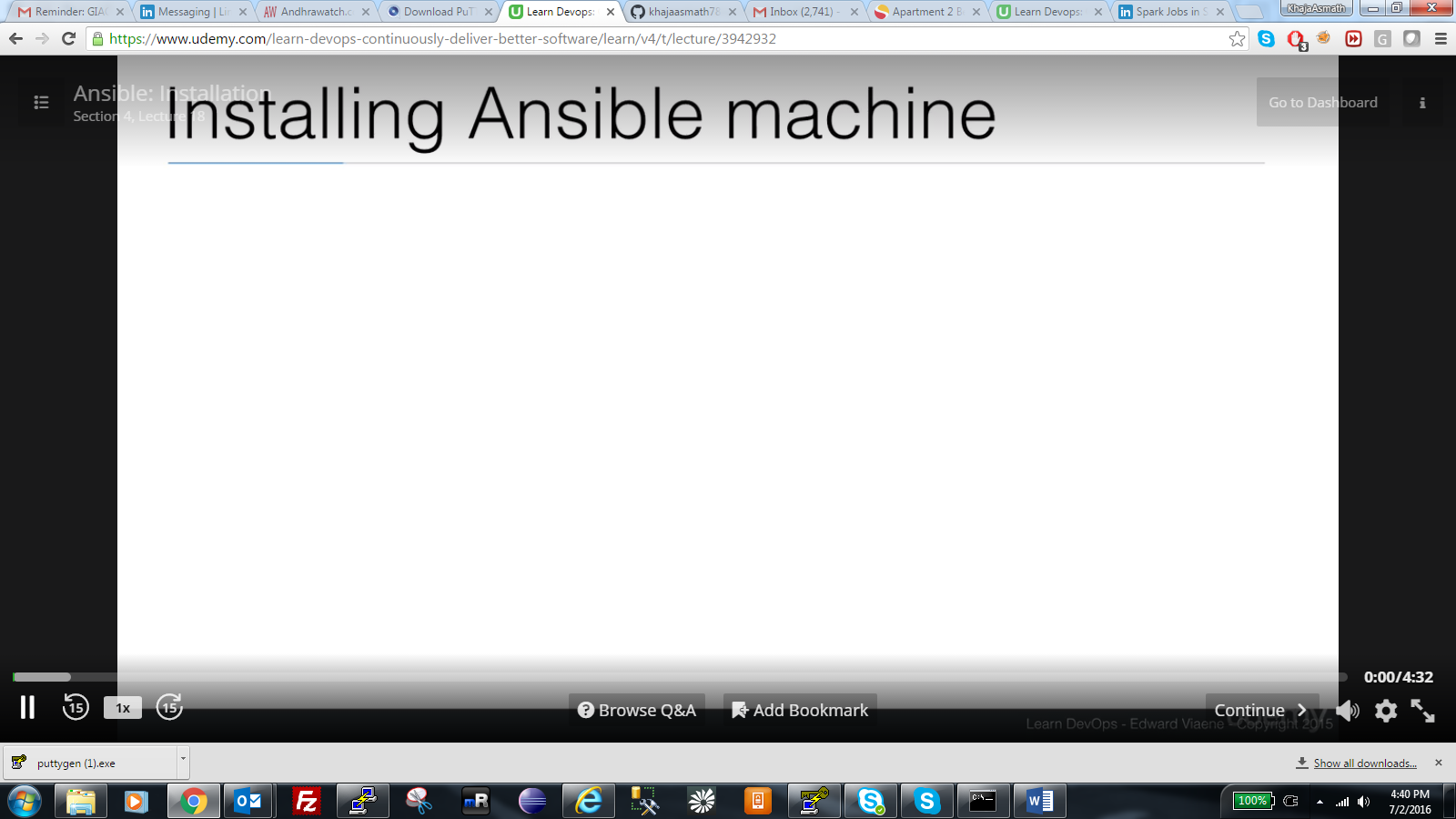


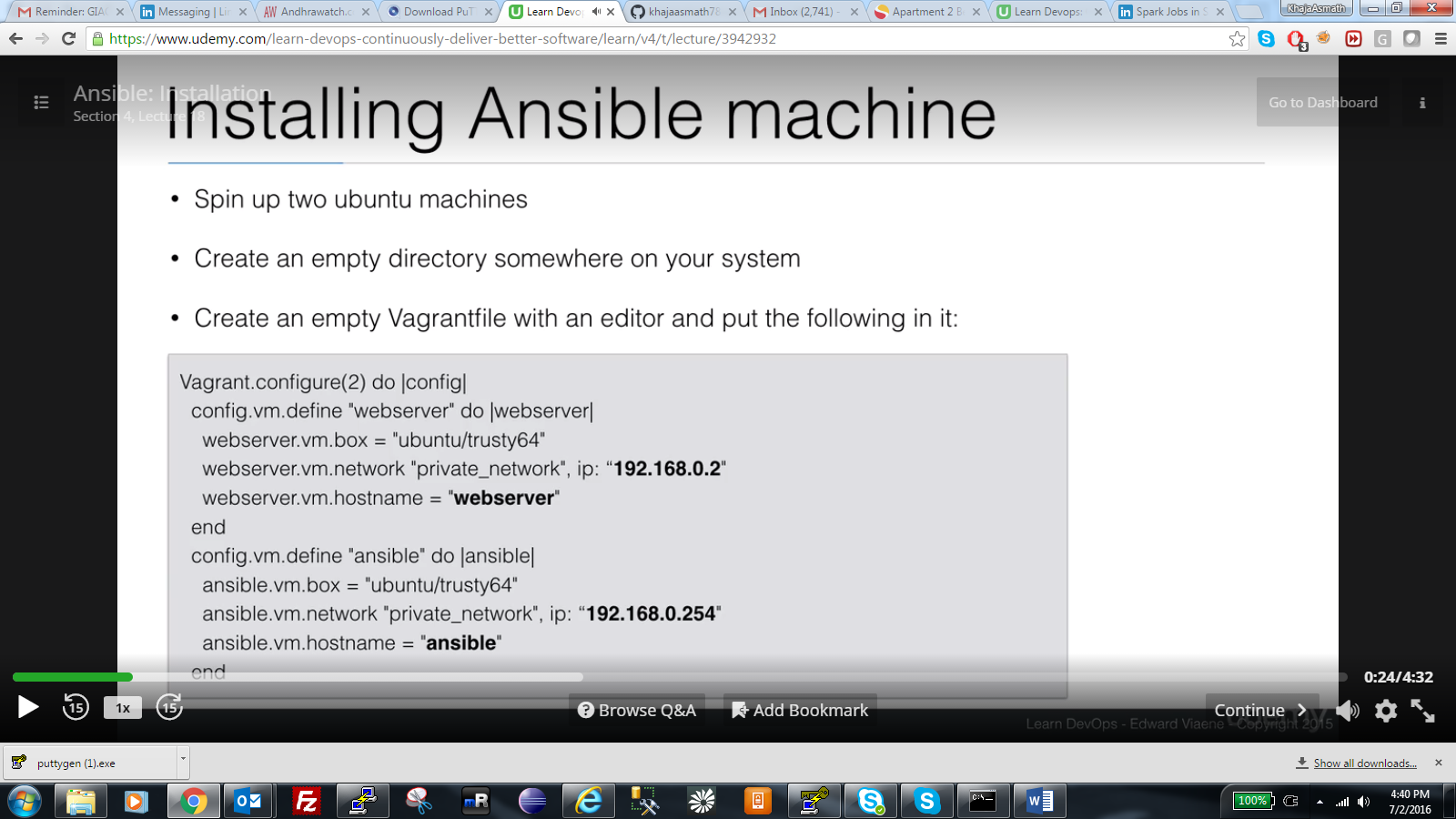


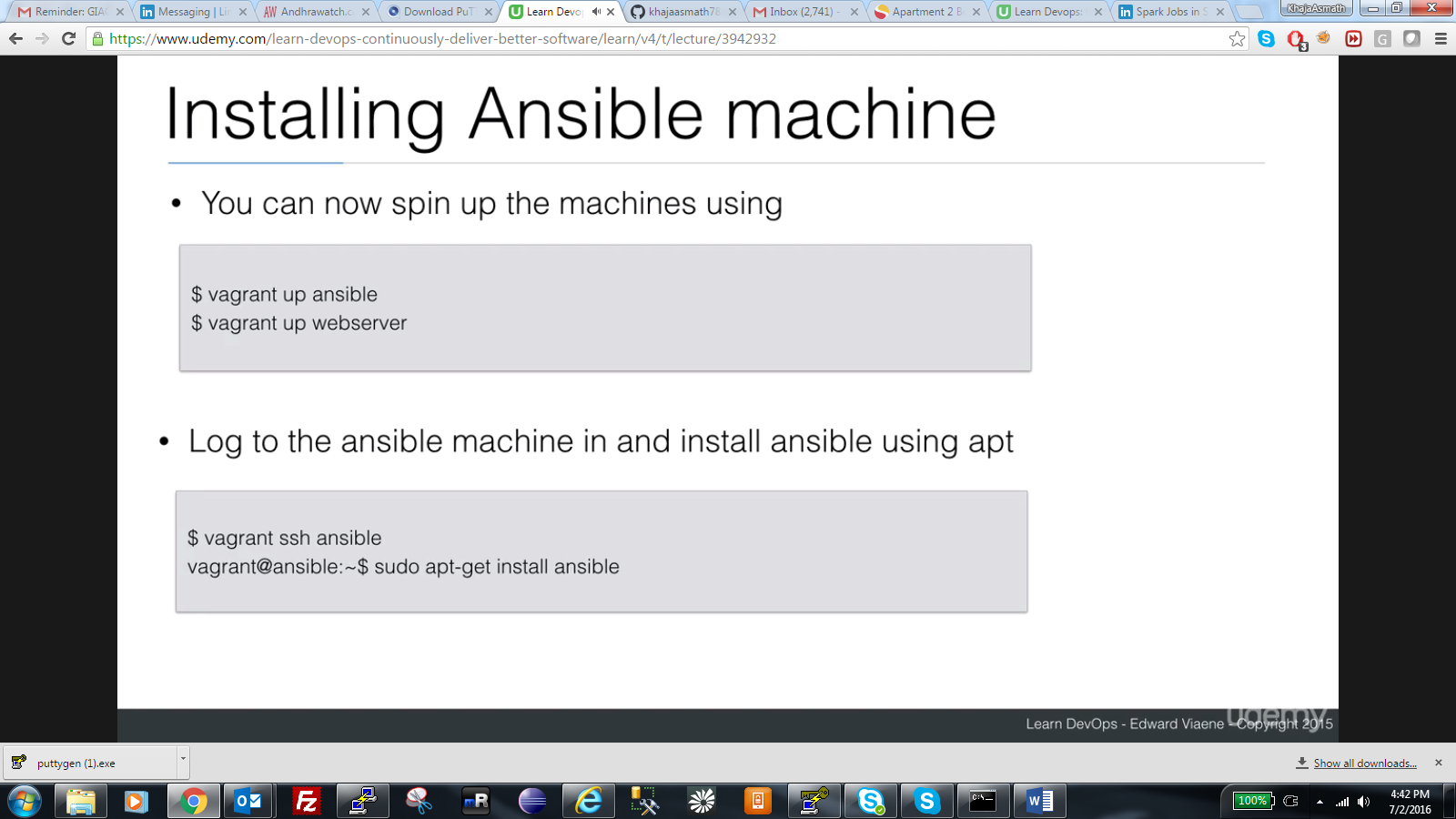


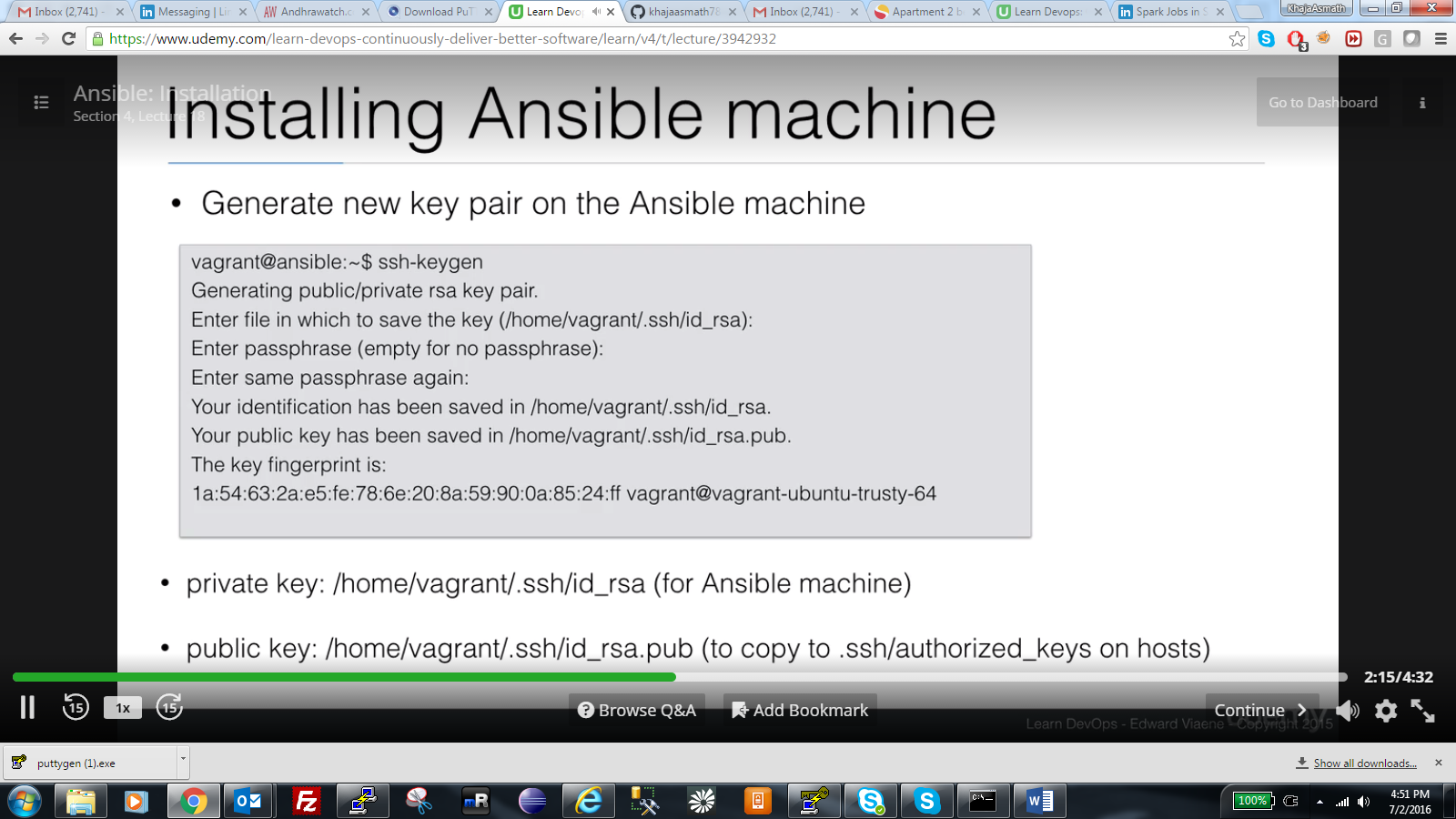
On left, Ansible is software which is typically installed on the UNIX machine. Ansible push all changes to hosts.

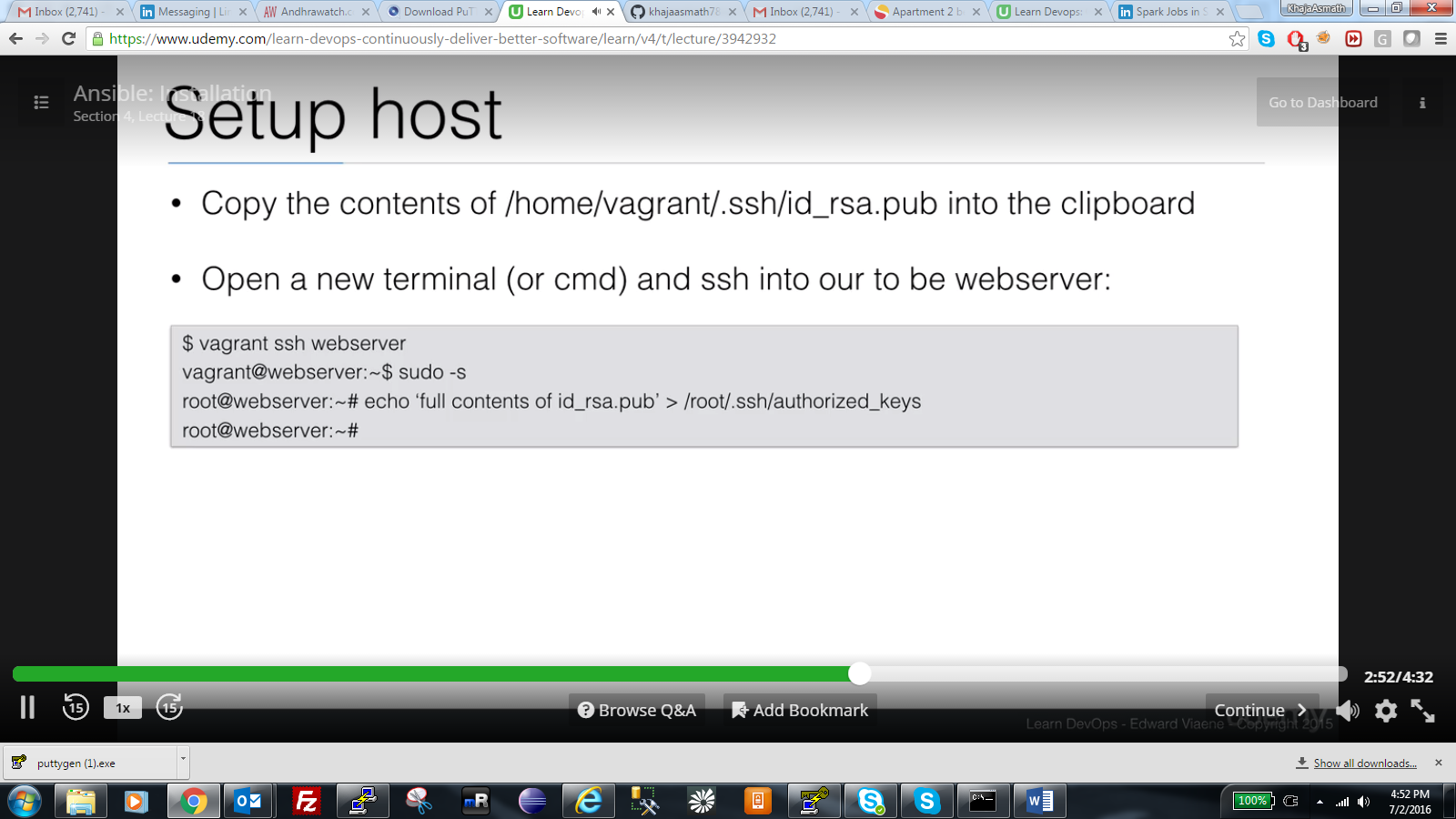
Ansible can be used to install software’s on the host machines using SSH keys.

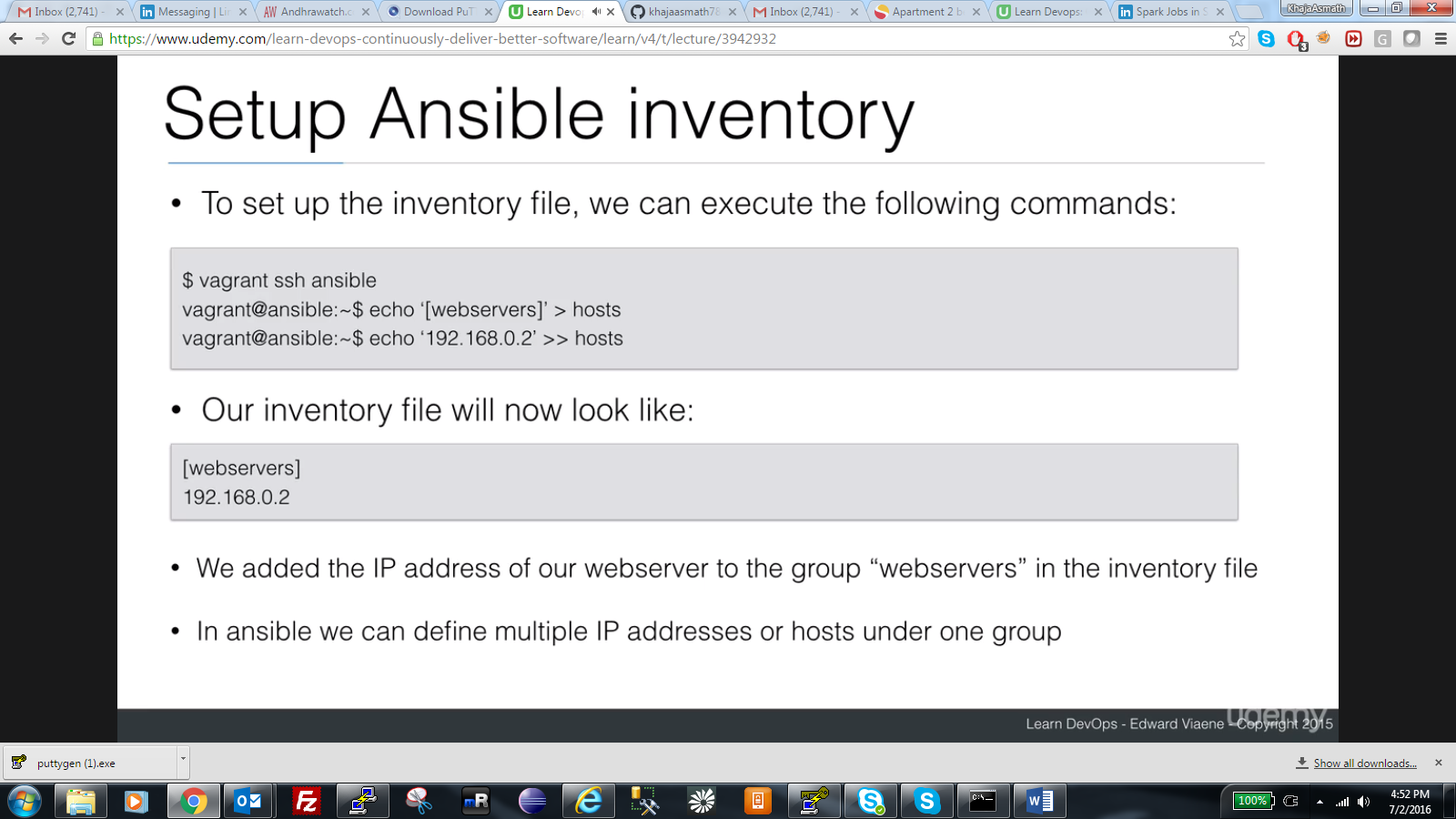


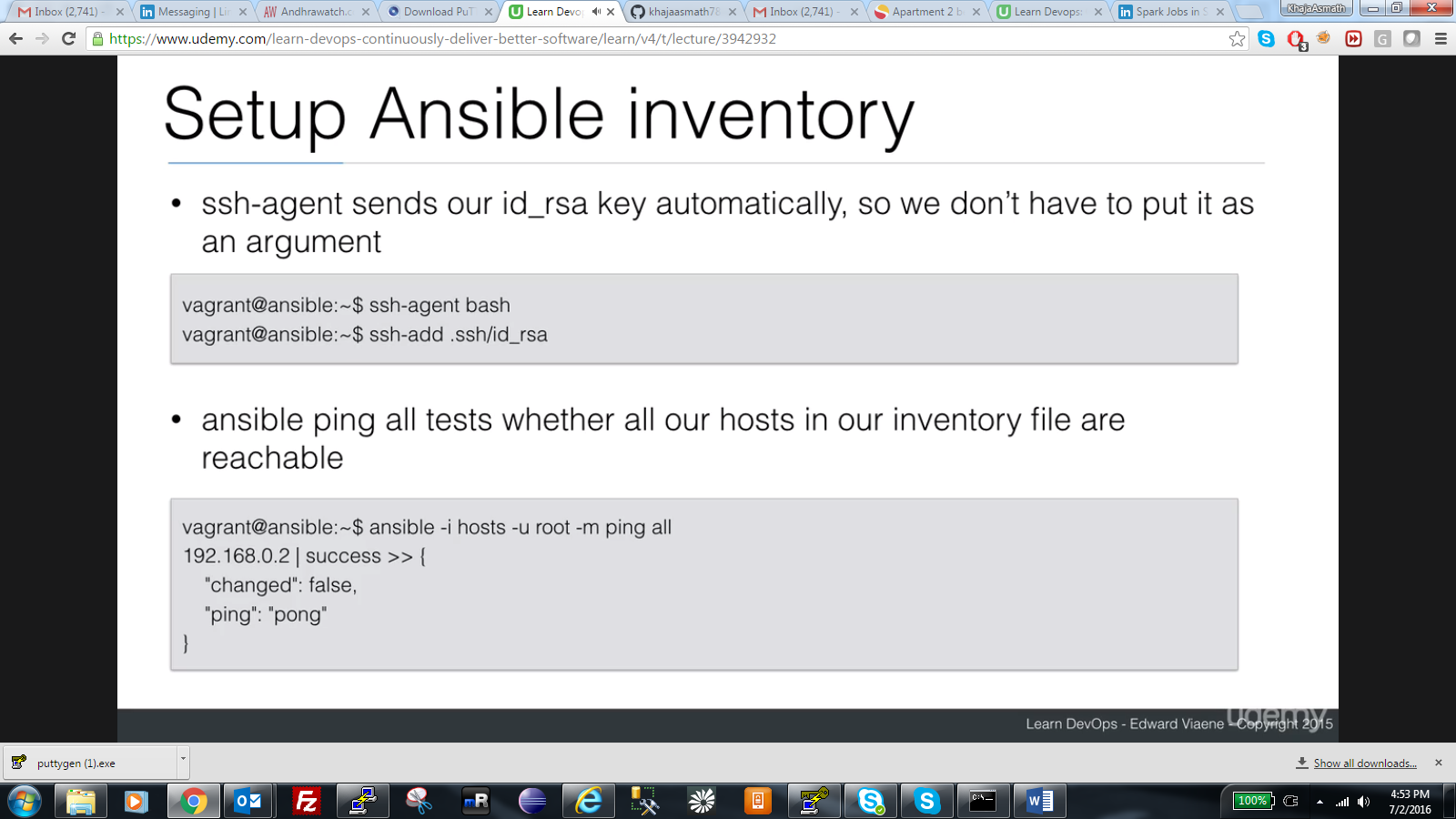




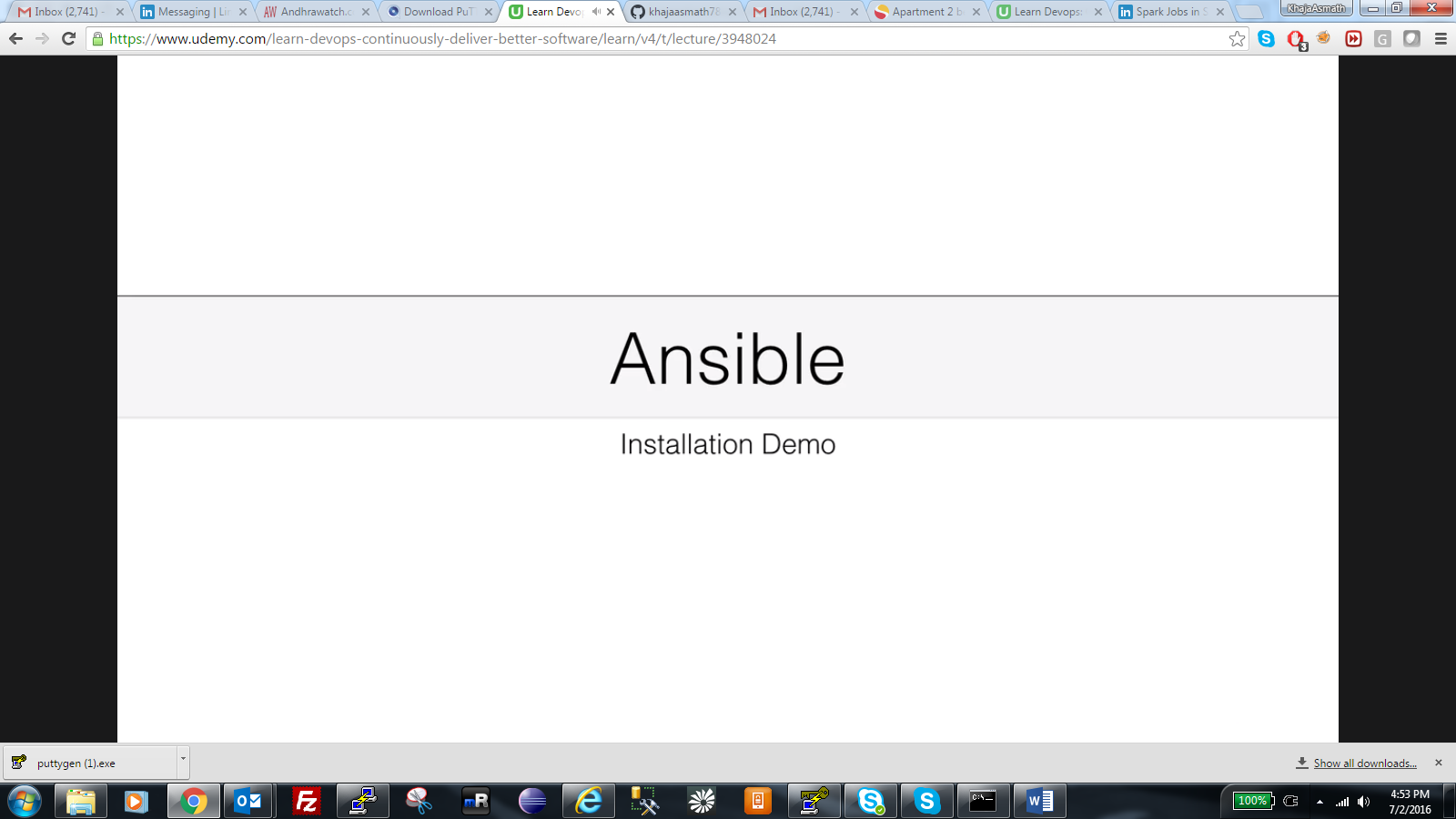
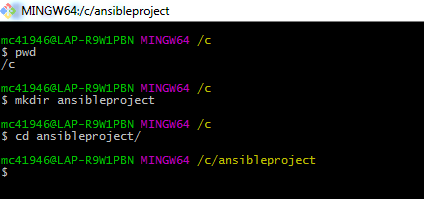
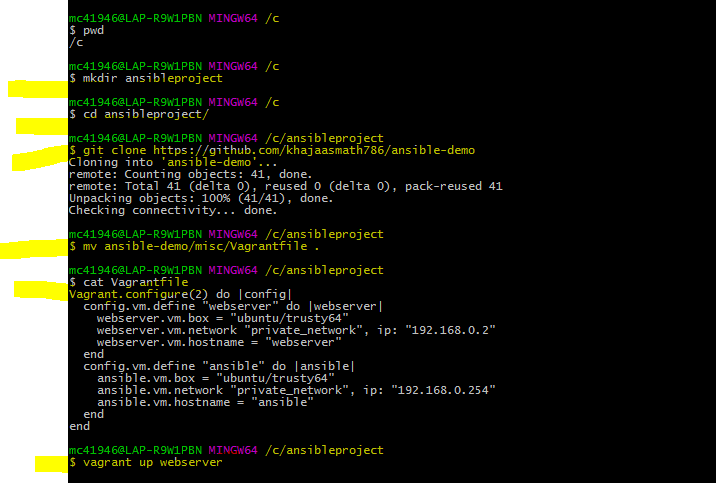
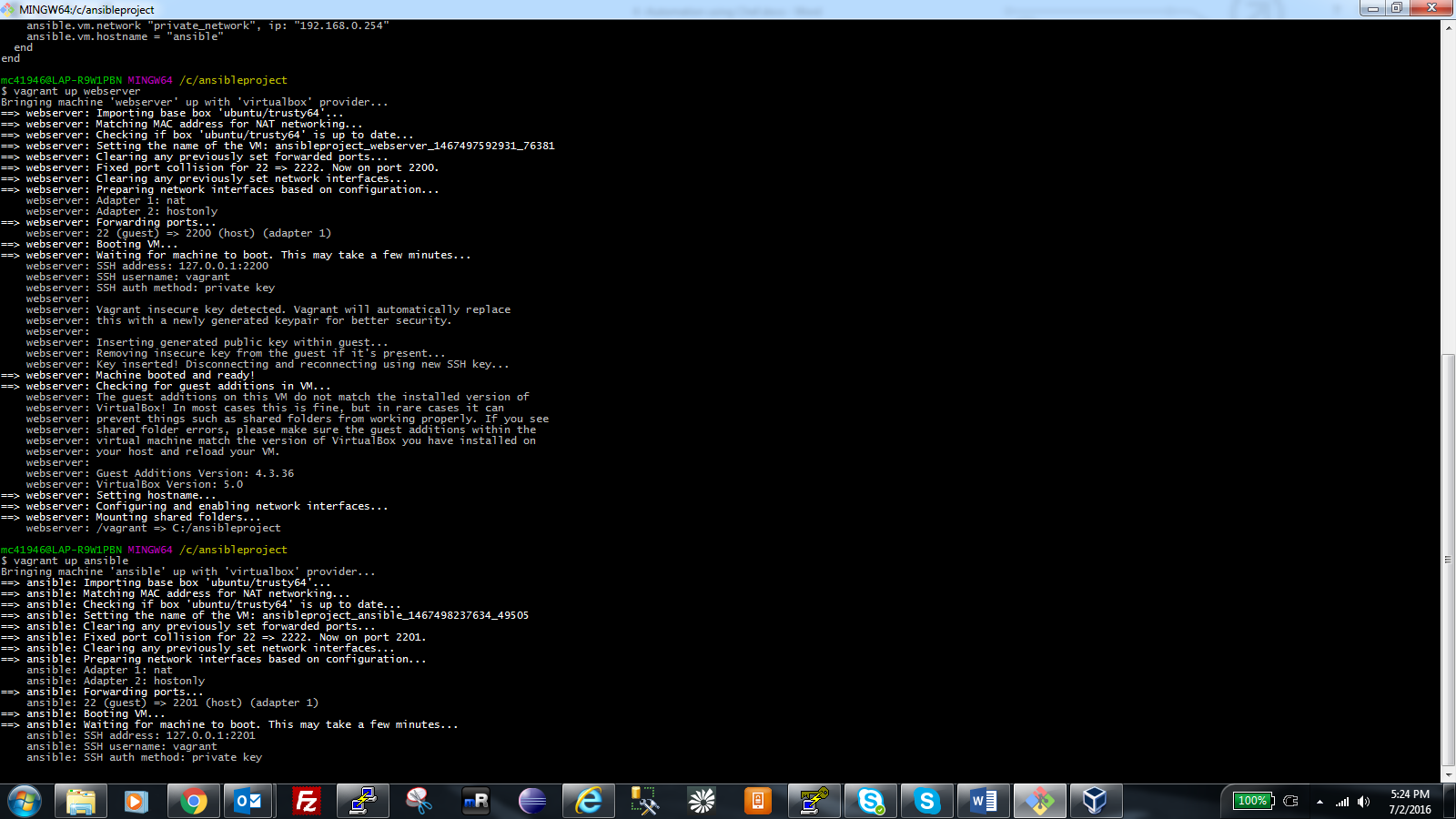
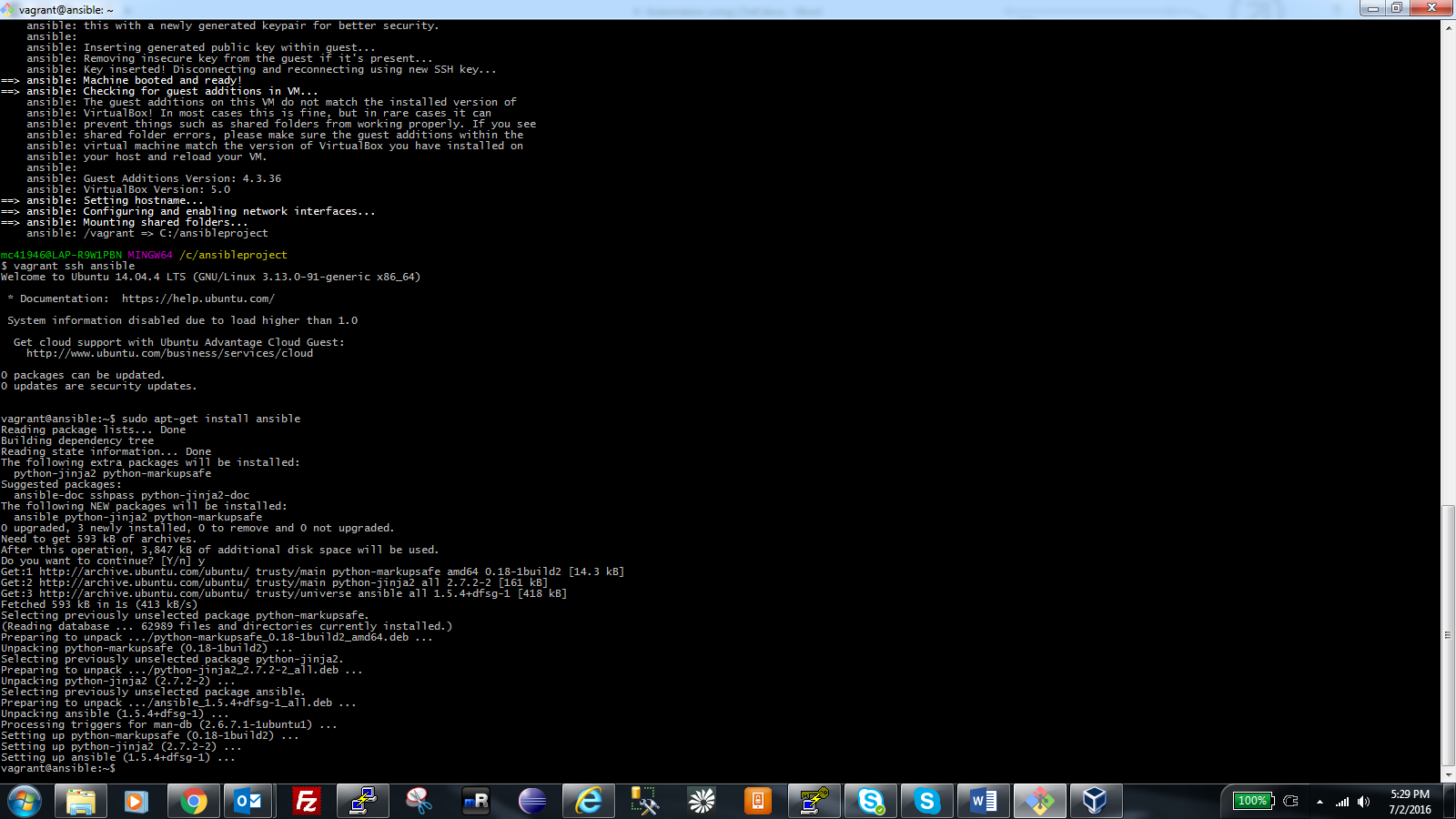


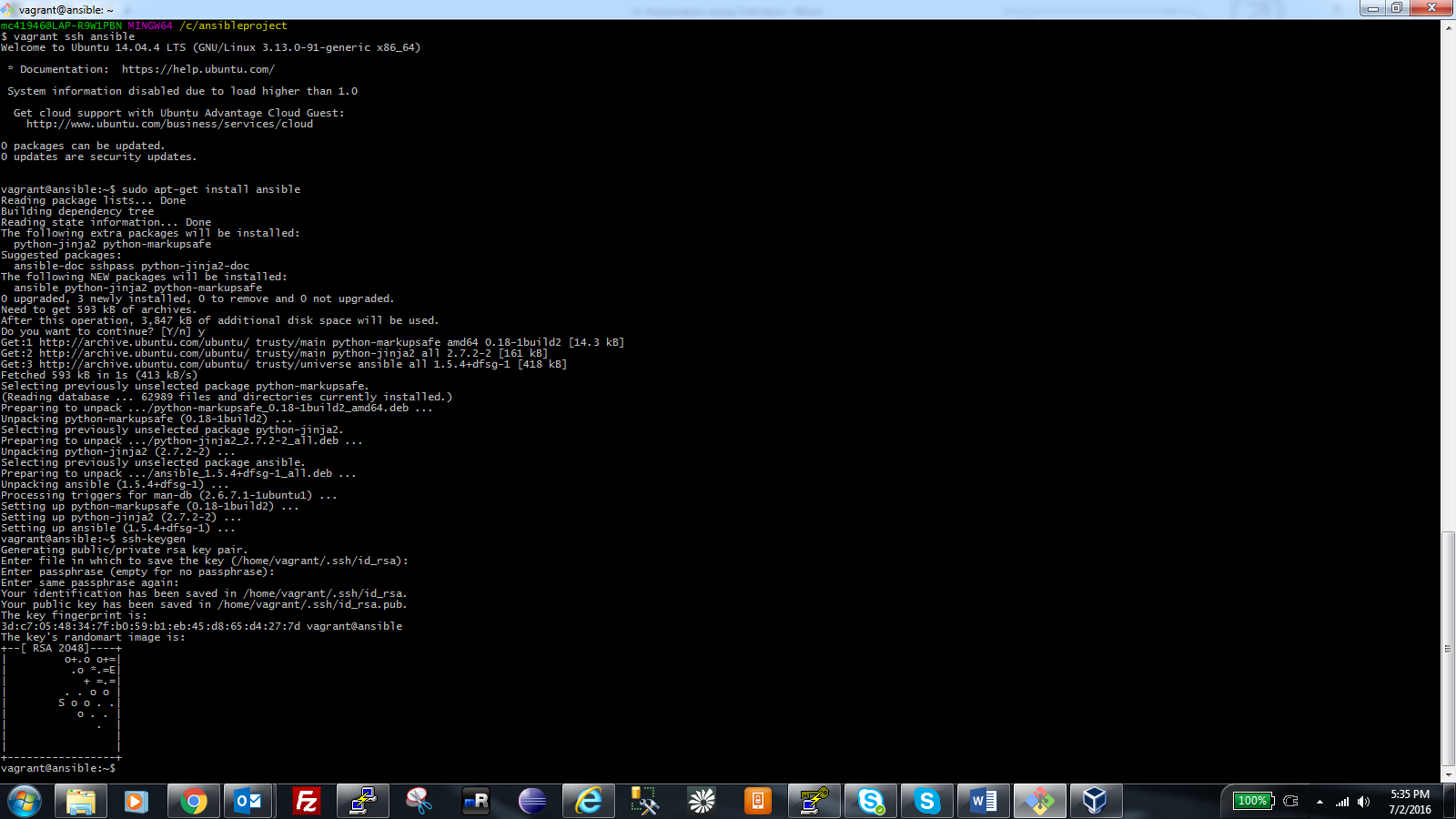


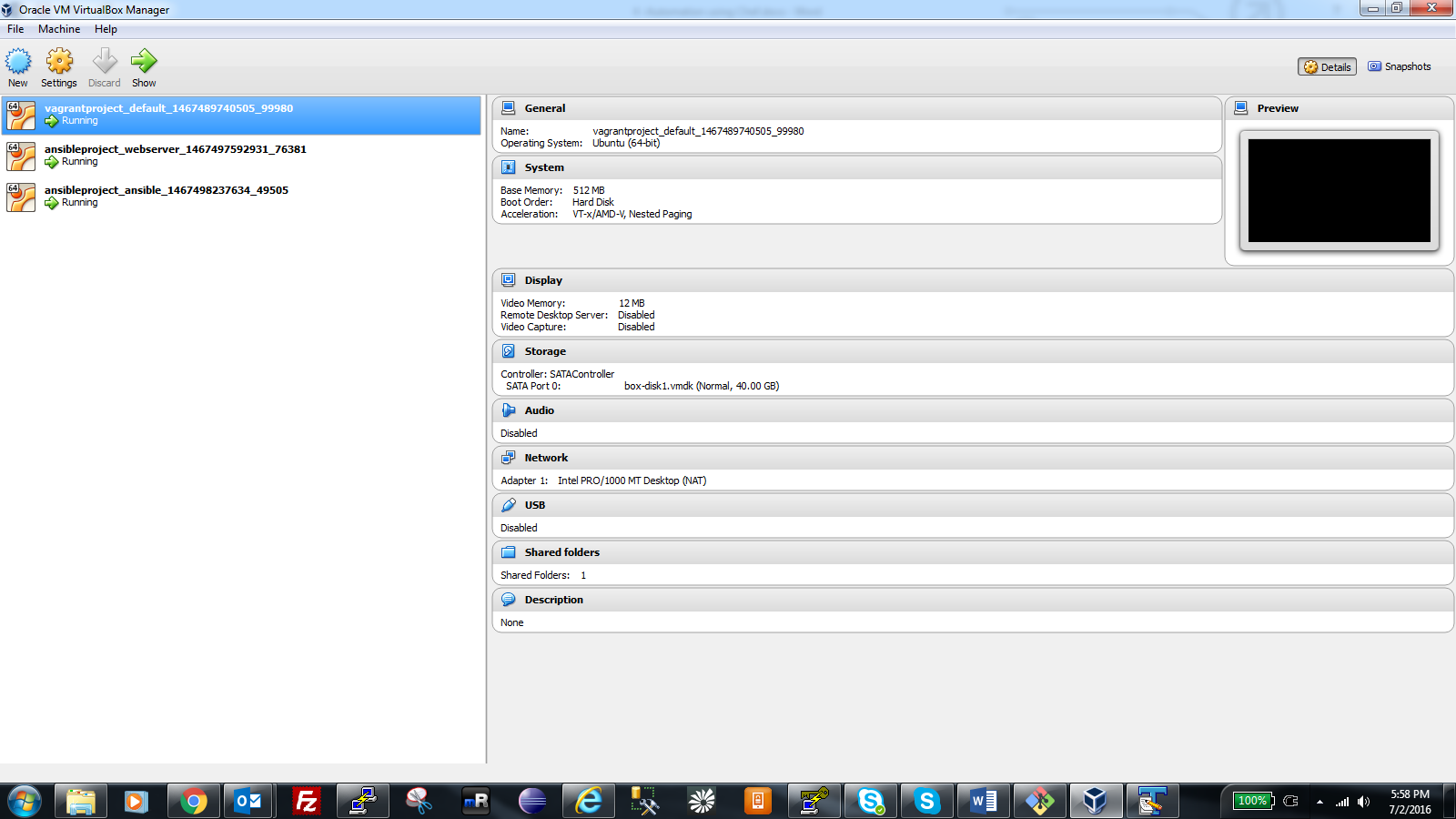




**Asmath 🡪 Instructions for ansible and extra**

* 
* 
* 
* 
* 





* Open virtual box and keep it open
* open git bash and do it.
* mkdir ansibleproject
* Cd ansibleproject
* Git clone <https://github.com/khajaasmath786/ansible-demo>
* mv ansible-demo/misc/Vagrantfile . (. Represents move file to current folder from misc)
* cat vagrantfile
* vagrant up webserver
* vagrant up ansible
* vagrant ssh Ansible
* sudo apt-get install ansible
* ssh-keygen (Type just enter when asked for passphrase like hadoop)
* cat .ssh/id\_rsa.pub (copy the text displayed, it will be used during host)

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQD9/Hoi8R1ezeX9CzBnDrFnwjoXOFAL63pg+aiSu8HnyUh1GR+bJdtXR+sleFDY/RiGLxYlTyN+PuAP6+joOTogy7Oapw92sZACH7/5YNkCWhgENGwjkwHmX6VrBii5rKl9O/lM1Y1fzrAW3eg6puRiL88W6+0bGX6jIyWfqFRKrwKAw5vJfHA4zAXXSViXXh8lUedXyG2qbe1Jlyig32xPy/L7tA9WHKUNgxzna61353fm0LFFfYVsADWEKma75N97X4hYOV5m9kz/XIL0TZHmpkf1NXO2TT7wnBNlfxOYoZlZ84apGrPOS6JgFaAh3vvtpS9BtwKDRxawhhSgKxkl vagrant@ansible

* vagrant ssh webserver
* sudo apt-get install vagrant
* sudo –s
* echo ‘ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQD9/Hoi8R1ezeX9CzBnDrFnwjoXOFAL63pg+aiSu8HnyUh1GR+bJdtXR+sleFDY/RiGLxYlTyN+PuAP6+joOTogy7Oapw92sZACH7/5YNkCWhgENGwjkwHmX6VrBii5rKl9O/lM1Y1fzrAW3eg6puRiL88W6+0bGX6jIyWfqFRKrwKAw5vJfHA4zAXXSViXXh8lUedXyG2qbe1Jlyig32xPy/L7tA9WHKUNgxzna61353fm0LFFfYVsADWEKma75N97X4hYOV5m9kz/XIL0TZHmpkf1NXO2TT7wnBNlfxOYoZlZ84apGrPOS6JgFaAh3vvtpS9BtwKDRxawhhSgKxkl vagrant@ansible’ > /root/.ssh/authorized\_keys
* exit
* vagrant ssh Ansible
* vagrant init
* vagrant ssh ansible