

Networking and System Administration Lab
Lab Assignment: Ansible Installation

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Ansible Installation

Step1:sudo apt-get install ansible

```
(root@kali)~# sudo apt-get install ansible
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ieee-data libyaml-0-2 python3-argcomplete python3-certifi python3-cffi-backend python3-cryptography
  python3-distutils python3-dnspython python3-httplib2 python3-idna python3-jinja2 python3-jmespath
  python3-kerberos python3-lib2to3 python3-libcloud python3-lockfile python3-markupsafe python3-netaddr
  python3-ntlm-auth python3-packaging python3-pycryptodome python3-pyparsing python3-requests python3-requests-ntlm
  python3-requests-toolbelt python3-selinux python3-simplejson python3-winrm python3-xlrd python3-yaml
Suggested packages:
  cowsay sshpass python-cryptography-doc python3-cryptography-vectors python3-sniffio python3-trio
  python-jinja2-doc python-lockfile-doc ipython3 python-netaddr-docs python-pyparsing-doc python3-openssl
  python3-socks python-requests-doc
The following NEW packages will be installed:
  ansible ieee-data libyaml-0-2 python3-argcomplete python3-certifi python3-cffi-backend python3-cryptography
  python3-distutils python3-dnspython python3-httplib2 python3-idna python3-jinja2 python3-jmespath
  python3-kerberos python3-lib2to3 python3-libcloud python3-lockfile python3-markupsafe python3-netaddr
  python3-ntlm-auth python3-packaging python3-pycryptodome python3-pyparsing python3-requests python3-requests-ntlm
  python3-requests-toolbelt python3-selinux python3-simplejson python3-winrm python3-xlrd python3-yaml
0 upgraded, 31 newly installed, 0 to remove and 525 not upgraded.
Need to get 33.2 MB of archives.
After this operation, 281 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-cffi-backend amd64 1.14.6-1 [86.0 kB]
Get:2 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-cryptography amd64 3.3.2-1 [223 kB]
Get:3 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-markupsafe amd64 1.1.1-1+b3 [15.2 kB]
Get:4 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-jinja2 all 2.11.3-1 [114 kB]
Get:5 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-pyparsing all 2.4.7-1 [109 kB]
Get:6 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-packaging all 20.9-2 [33.5 kB]
Get:7 http://ftp.harukasan.org/kali kali-rolling/main amd64 libyaml-0-2 amd64 0.2.2-1 [49.6 kB]
Get:8 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-yaml amd64 5.3.1-5 [138 kB]
Get:9 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-pycryptodome amd64 3.9.7+dfsg1-1+b2 [9,910 kB]
22% [9 python3-pycryptodome 6,346 kB/9,910 kB 64%] 399 kB/s 1min 55s
28% [9 python3-pycryptodome 8,882 kB/9,910 kB 90%] 518 kB/s 45s
Get:10 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-lib2to3 all 3.9.7-1 [79.4 kB]
Get:11 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-distutils all 3.9.7-1 [146 kB]
Get:12 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-dnspython all 2.0.0-1 [103 kB]
Get:13 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-httplib2 all 0.18.1-3 [37.5 kB]
Get:14 http://ftp.harukasan.org/kali kali-rolling/main amd64 ieee-data all 20210605.1 [1,889 kB]
Get:15 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-netaddr all 0.8.0-2 [295 kB]
Get:16 http://ftp.harukasan.org/kali kali-rolling/main amd64 ansible all 2.10.7+merged+base+2.10.8+dfsg-1 [17.7 MB]
Get:17 http://ftp.harukasan.org/kali kali-rolling/main amd64 python3-argcomplete all 1.8.1-1.5 [29.7 kB]
```

Installation check

Step2:ansible --version

```
(root@kali)~# ansible --version
ansible 2.10.8
  config file = None
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  executable location = /usr/bin/ansible
  python version = 3.9.2 (default, Feb 28 2021, 17:03:44) [GCC 10.2.1 20210110]
```