Installation Instructions

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Research Group: ***Statistical and Population Genomics***

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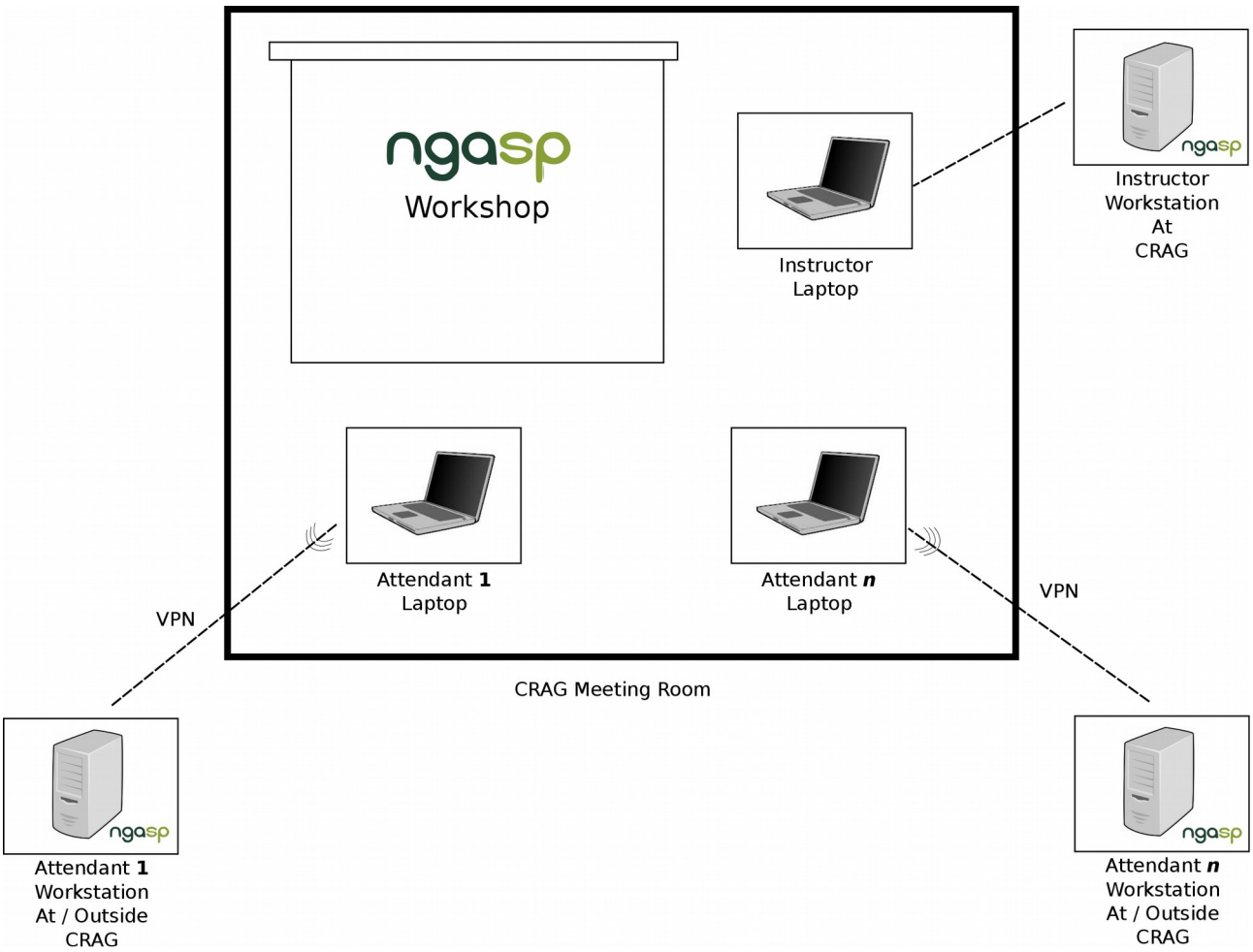
Workshop – Session 1 - May 3, 2017

Workshop Requirements

To attend the workshop you will need:

1. To install ngasp system in your workstation, and
2. A laptop connected via wifi & vpn to your workstation.



Please, follow the instructions bellow for installing the ngasp system in your workstation.

System Installation Instructions on the Attendant Workstation (Linux)

If your Linux is Fedora/Centos/RHEL/-based use “yum”. If it is Ubuntu/Debian/-based use “apt-get”.

1) Install Git

```
$ sudo yum install git
```

2) Install Docker

```
$ sudo yum update
$ tee /etc/yum.repos.d/docker.repo <<-'EOF'
[dockerrepo]
name=Docker Repository
baseurl=https://yum.dockerproject.org/repo/main/centos/7/
enabled=1
gpgcheck=1
gpgkey=https://yum.dockerproject.org/gpg
EOF
$ sudo yum install docker-engine
or
sudo yum install docker
$ sudo systemctl enable docker.service
$ sudo systemctl start docker
$ sudo groupadd docker
$ sudo usermod -aG docker $USER
$ sudo newgrp docker
```

3) Install Docker-Compose

```
$ curl -L https://github.com/docker/compose/releases/download/1.13.0-rc1/docker-compose-
`uname -s`-`uname -m` > /usr/bin/docker-compose
$ chmod +x /usr/bin/docker-compose
```

4) Download the ngasp Source Code

```
$ git clone https://github.com/CRAGENOMICA/ngasp-workshop01.git
$ cd <ngasp_folder>
$ git checkout develop
```

5) Install ngasp

```
$ cd <ngasp_folder>
$ install.sh
```

6) Run ngasp

```
$ cd <ngasp_folder>
$ runme.sh
```

System Installation Instructions on the Attendant Workstation

(Mac OS X)

1) Install Git

```
Install it from http://git-scm.com/download/mac
```

2) Install Docker

```
* Navigate to https://docs.docker.com/docker-for-mac/install/
* Press the Get Docker for Mac (Stable) button for downloading the Docker.dmg file.
* Open the Docker.dmg installer from the Downloads folder.
* Drag & Drop the Docker icon to Applications folder.
* Open the Launchpad and run Docker
```

3) Install XQuartz

```
$ cd <ngasp_folder>
$ curl -o XQuartz-2.7.11.dmg https://dl.bintray.com/xquartz/downloads/XQuartz-2.7.11.dmg
-LOk
$ sudo hdiutil attach XQuartz-2.7.11.dmg
$ sudo installer -package /Volumes/XQuartz-2.7.11/XQuartz.pkg -target /
$ sudo hdiutil detach /Volumes/XQuartz-2.7.11/
$ rm Xquartz-2.7.11.dmg
# Now, log out and log in.
$ open -a XQuartz
# Security:
# [x] Authenticate connections
# [x] Allow connections from net clients
```

4) Download the ngasp Source Code

```
$ git clone https://github.com/CRAGENOMICA/ngasp-workshop01.git
$ cd <ngasp_folder>
$ git checkout develop
```

5) Install ngasp

```
$ cd <ngasp_folder>
$ install.sh
```

6) Run ngasp

```
$ cd <ngasp_folder>
$ runme.sh
```

System Installation Instructions on the Attendant Workstation (Windows)

1) Install Git

```
Install it from http://git-scm.com/download/win
```

2) Install Docker

```
Install it from https://docs.docker.com/docker-for-windows/
```

3) Install Docker-Compose

```
Install it from https://docs.docker.com/compose/install/
```

4) Download the ngasp Source Code

```
X:\>git clone https://github.com/CRAGENOMICA/ngasp-workshop01.git
X:\>cd <ngasp_folder>
X:\ngasp_folder>git checkout develop
```

5) Install ngasp

```
X:\>cd <ngasp_folder>
X:\ngasp_folder>install.bat
```

6) Run ngasp

```
X:\>cd <ngasp_folder>
X:\ngasp_folder>runme.bat
```