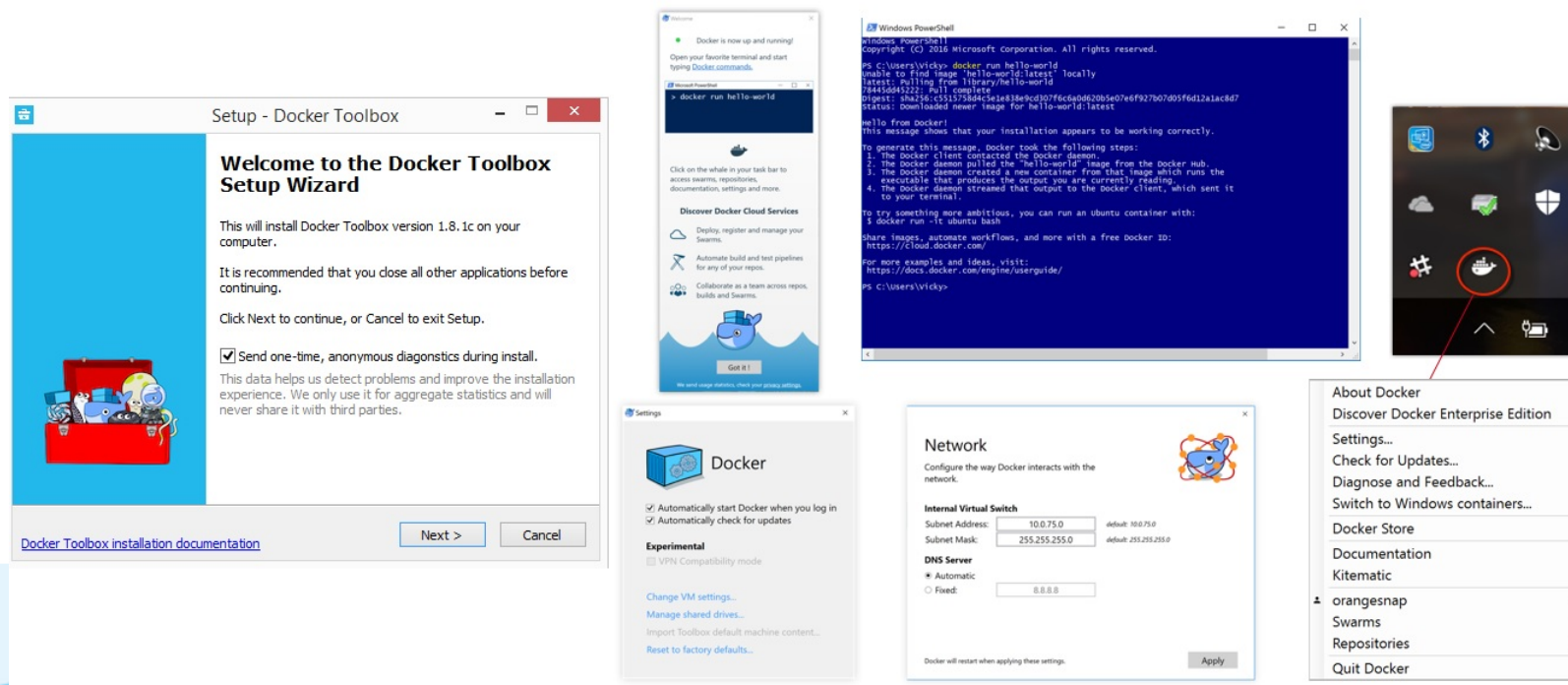


Section 3 - Installation of Docker

Docker Installation (1)

- Install Docker on Linux
 - `# curl -sSL https://get.docker.com/ | sh`
- Install Docker on Windows (Docker for Windows – Docker toolbox)



Docker Installation (2)

- Free online Docker lab [Play with Docker](https://labs.play-with-docker.com/)

The screenshot shows the Docker Playground web interface. On the left, a sidebar displays a timer at 03:58:52, a 'CLOSE SESSION' button, and an 'Instances' section with a '+ ADD NEW INSTANCE' button and a list of instances including '192.168.0.28 node1'. The main area shows details for the container 'bcgpej0a_bcgpek0abk8g00fd90', including its IP (192.168.0.28), memory usage (0.82% / 32.79MiB / 3.906GiB), and CPU usage (1.04%). Below this, an SSH terminal window is open, displaying a warning message and the command prompt for the container.

```
#####  
# WARNING!!!!  
# This is a sandbox environment. Using personal credentials  
# is HIGHLY! discouraged. Any consequences of doing so are  
# completely the user's responsibilities.  
#  
# The PWD team.  
#####  
[node1] (local) root@192.168.0.28 ~  
$
```

Install Docker Toolbox on Windows

- [Install Docker Toolbox on Windows](#)
- [DockerToolbox.exe](#)

Install Docker on CentOS Linux

- [Intall Docker on CentOS Linux](#)
- [Post-installation steps for Linux](#)

Install Docker on CentOS Linux

- The complete list of commands to install Docker and docker-compose

```
# curl -sSL https://get.docker.com/ | sh
# systemctl enable docker
# systemctl start docker
# curl -L "https://github.com/docker/compose/releases/download/1.24.0/docker-compose" -o /usr/local/bin/docker-compose
# chmod +x /usr/local/bin/docker-compose
```

Install Docker on CentOS Linux (2)

- Optional setup bash auto completion

```
# yum install -y bash-completion  
# curl -L https://raw.githubusercontent.com/docker/compose/1.24.0/contr
```

CentOS 7 VM Setup

- You can find the [CentOS-7-VM-Setup.pdf](#) guide in the resources directory (`resources/linux-vm-setup/CentOS-7-VM-Setup.pdf`)

Other Tools

- Visual Studio Code
- MobaXterm
- Putty
- WinSCP
- GitHub account
- Docker Hub account