

# Docker for Developers



## **Exercise:** **Installing and Using Docker**

# Course Map

1. Developers, Containers, the Cloud
2. Getting Started with Docker
3. Exercise: Installing and using Docker
4. Working with Dockerfiles and ASP.NET Core apps
5. Exercise: Dockerfiles, ASP.NET Core apps



# Course Map

- 6. Exercise: Mapping to Source Code
- 7. Exercise: Mapping to Shared Data
- 8. Multi-Container Applications with Docker Compose
- 9. Exercise: Linking vs networked Containers, using Docker Compose



# Agenda



- Install Docker for Mac OS X or Windows
- Verify installation
- Work with Docker images
- Work with Docker containers

# Get the Bits



[github.com](https://github.com/tonysneed) / tonysneed /

**Kliant.DockerForDevs**

# Clone or download repository

tonysneed / Kliant.DockerForDevs

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

Slides and exercises for the course: Docker for Developers — Edit

2 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

tonysneed committed on GitHub Update README.md

.gitignore	Initial commit
LICENSE	Initial commit
README.md	Update README.md

README.md

Clone with HTTPS Use SSH

Use Git or checkout with SVN using the web URL.

`https://github.com/tonysneed/Kliant.DockerForDevs`

Open in Desktop Download ZIP

Clone tonysneed/Kliant.DockerForDevs to your computer and use it in GitHub Desktop.

# Exercise ReadMe files

- View online in a web browser
- Or use a markdown client viewer
  - Such as Visual Studio Code



# Interactive Labs

To let me *help you*, download and install:



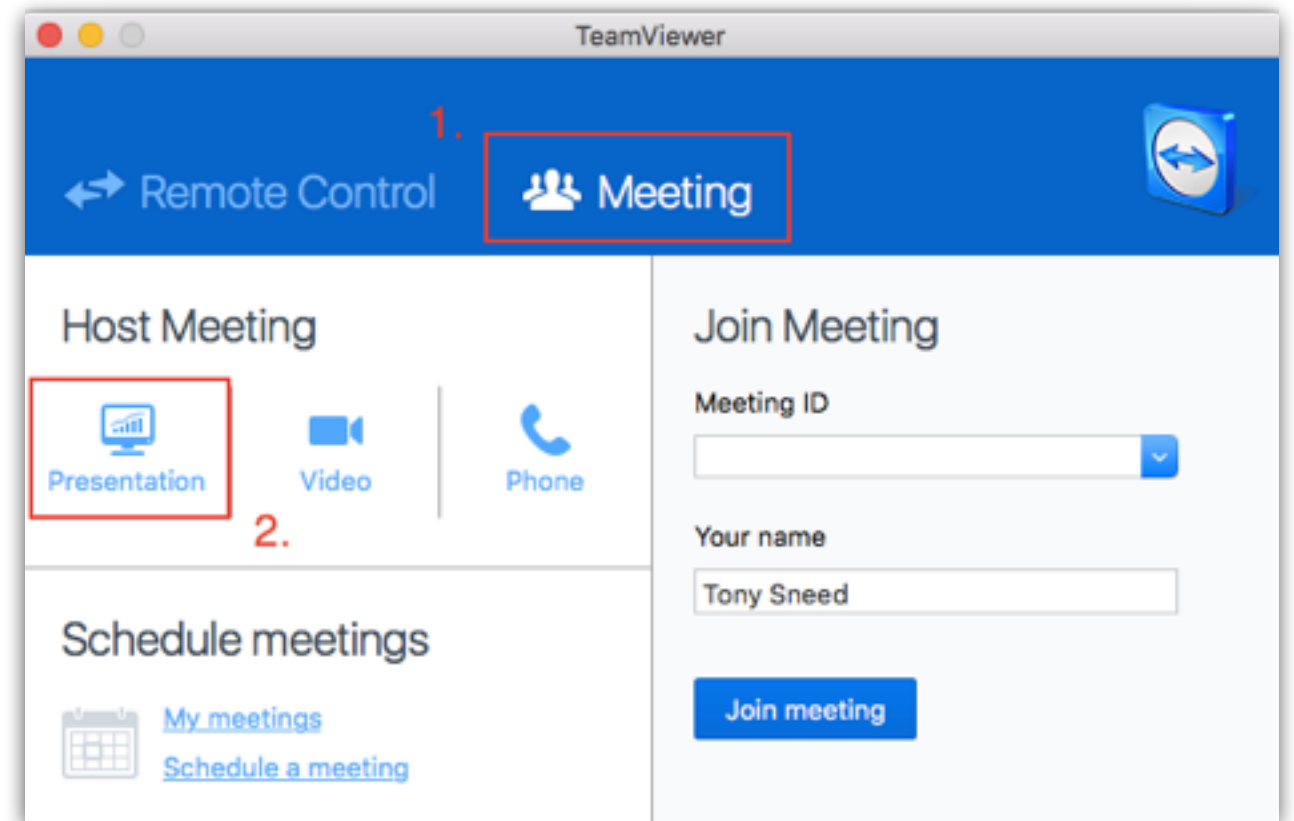
## Team Viewer

<http://www.teamviewer.com>



# Interactive Labs

1. Click **Meeting**
2. Click **Presentation**

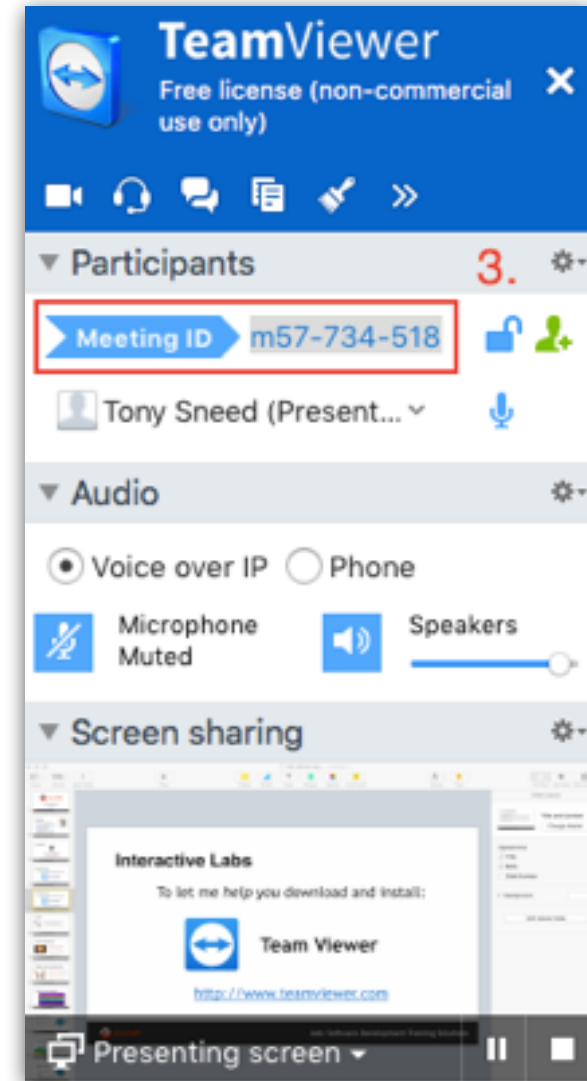


# Interactive Labs

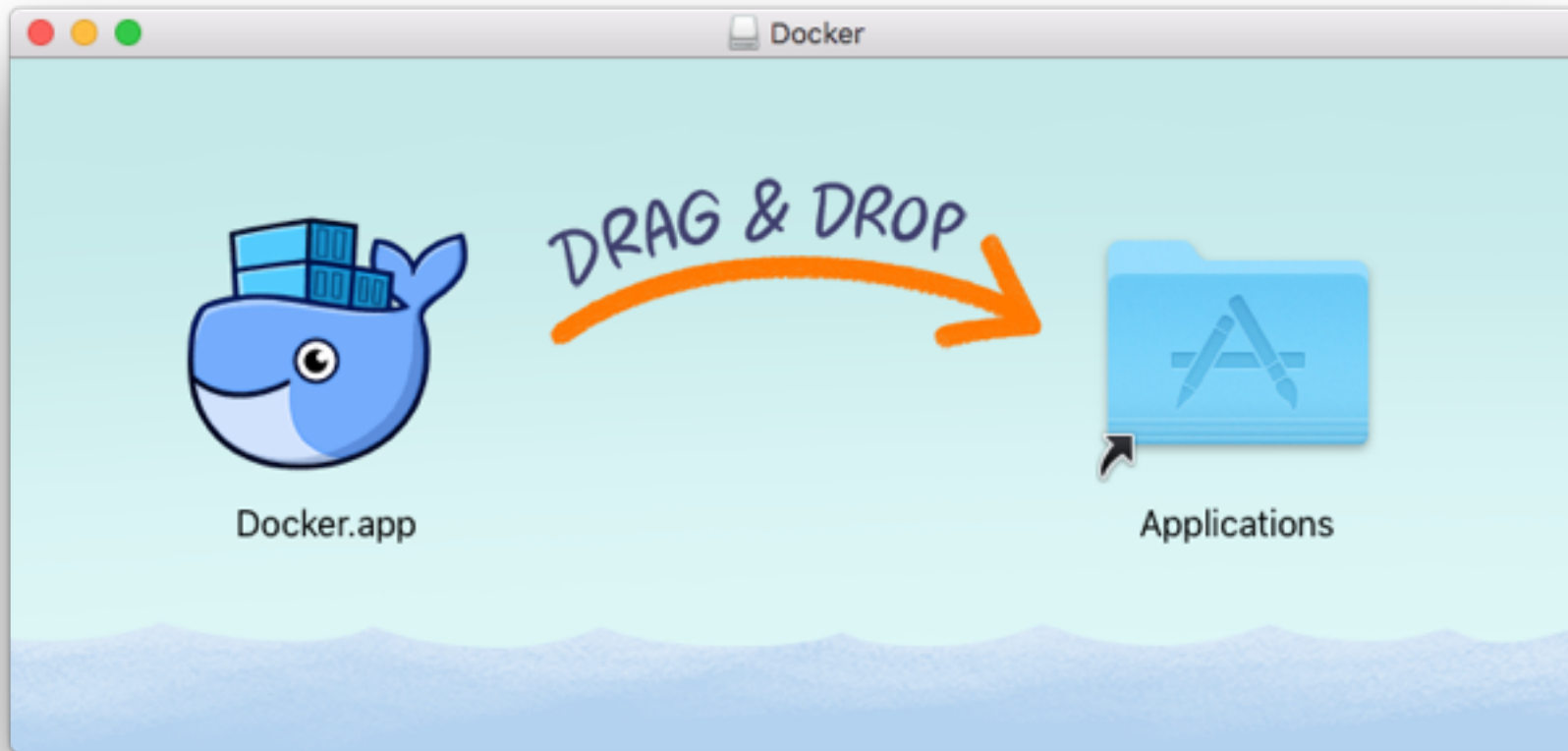
3. Copy Meeting ID

4. Send via private chat,  
or by email:

[tony.sneed@icloud.com](mailto:tony.sneed@icloud.com)

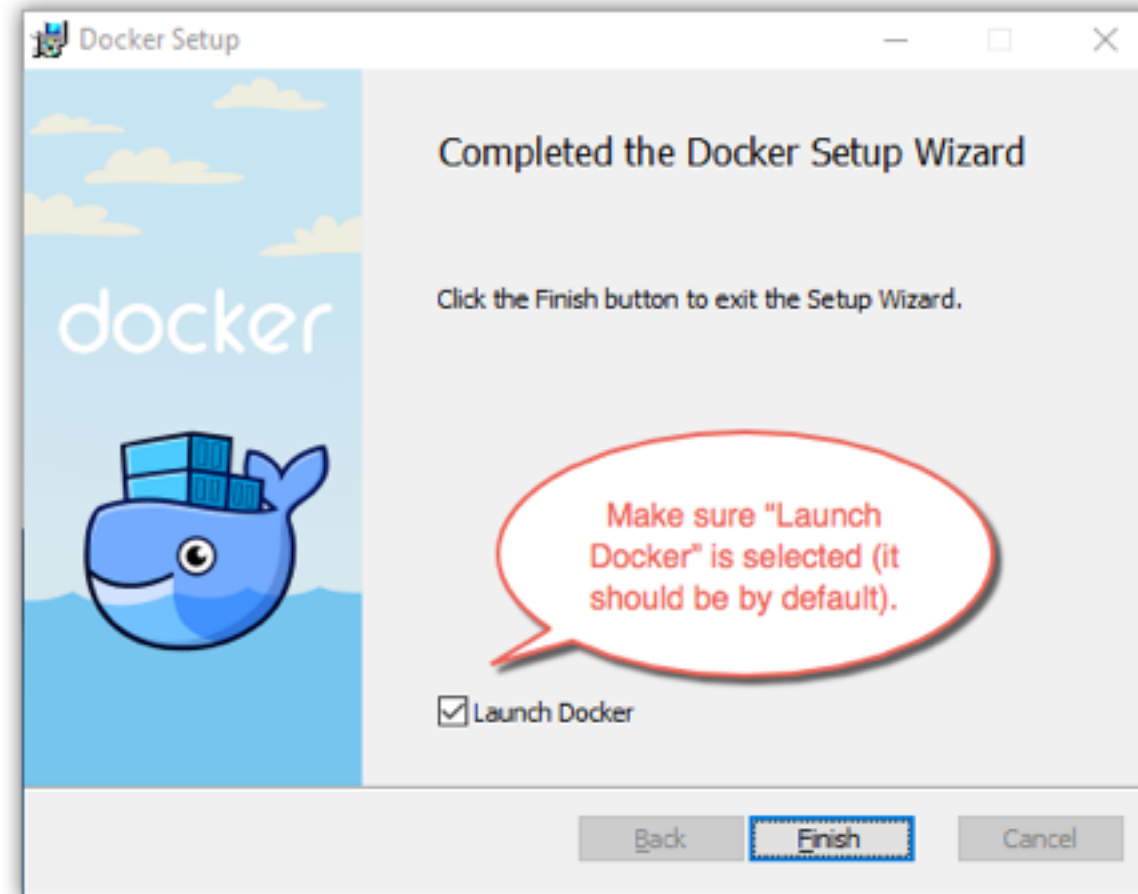


# Installing Docker on Mac OS X



**Min Req:**  
Mac 2010  
OS X 10.10.3  
4 GB RAM

# Installing Docker on Windows 10



**Min Req:**  
Pro or higher  
64-bit  
1511 Nov  
Hyper-V  
4 GB RAM

# Verify Docker installation

```
~ $ docker version
```

Client:

Version: 1.12.0

API version: 1.24

Go version: go1.6.3

Git commit: 8eab29e

Built: Thu Jul 28 21:15:28 2016

OS/Arch: darwin/amd64

Server:

Version: 1.12.0

API version: 1.24

Go version: go1.6.3

Git commit: 8eab29e

Built: Thu Jul 28 21:15:28 2016

OS/Arch: linux/amd64

# Verify Docker installation

```
~ $ docker run hello-world
```

```
Unable to find image 'hello-world:latest' locally
```

```
latest: Pulling from library/hello-world
```

```
c04b14da8d14: Pull complete
```

```
Digest: sha256:0256e8a36e2070f7bf2d0b0763dbabdd67798512411de4cdcf9431a1feb60fd9
```

```
Status: Downloaded newer image for hello-world:latest
```

```
Hello from Docker!
```

# Contact Me



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- Blog: [blog.tonysneed.com](http://blog.tonysneed.com)



- Twitter: [@tonysneed](https://twitter.com/tonysneed)