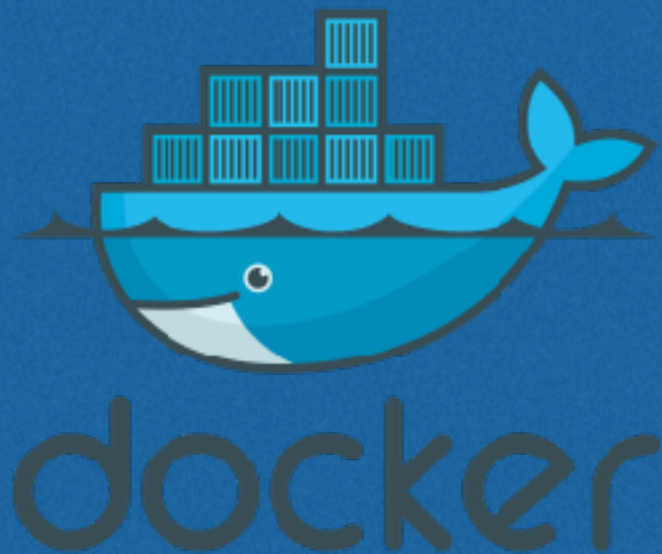


Taking the pain out of installing software with Docker

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Reasons for using Docker

- Run the same software anywhere
 - Docker can be installed almost anywhere (laptop/ desktop /cluster computers)
 - Easily run CLAS software on university computing recourses
- Distribute software in a maintained and versioned environment
- Keep older code working through system upgrades

FAQ's

- Performance?
 - Docker is not a virtual machine it uses the existing linux kernel on your machine
 - Small overhead for system I/O
 - On non-linux machines Docker does use a virtual machine to run linux kernel
- Security risks?
 - Same security risks as any linux os
 - Docker containers are sandboxed and only allowed access to the ports and drives which are mapped onto the container

Current Progress

- Have gotten CLAS6 software compiling on a Docker container
- TODO:
 - More testing to make sure all the software is working properly
 - Make container to run mysql database or connect to existing database

Conclusion

- For more information:
 - Email: tylern@jlab.org
 - github: tylern4
- Please contact me if you would like to test clas6 on Docker
- Questions?
- Demonstration?