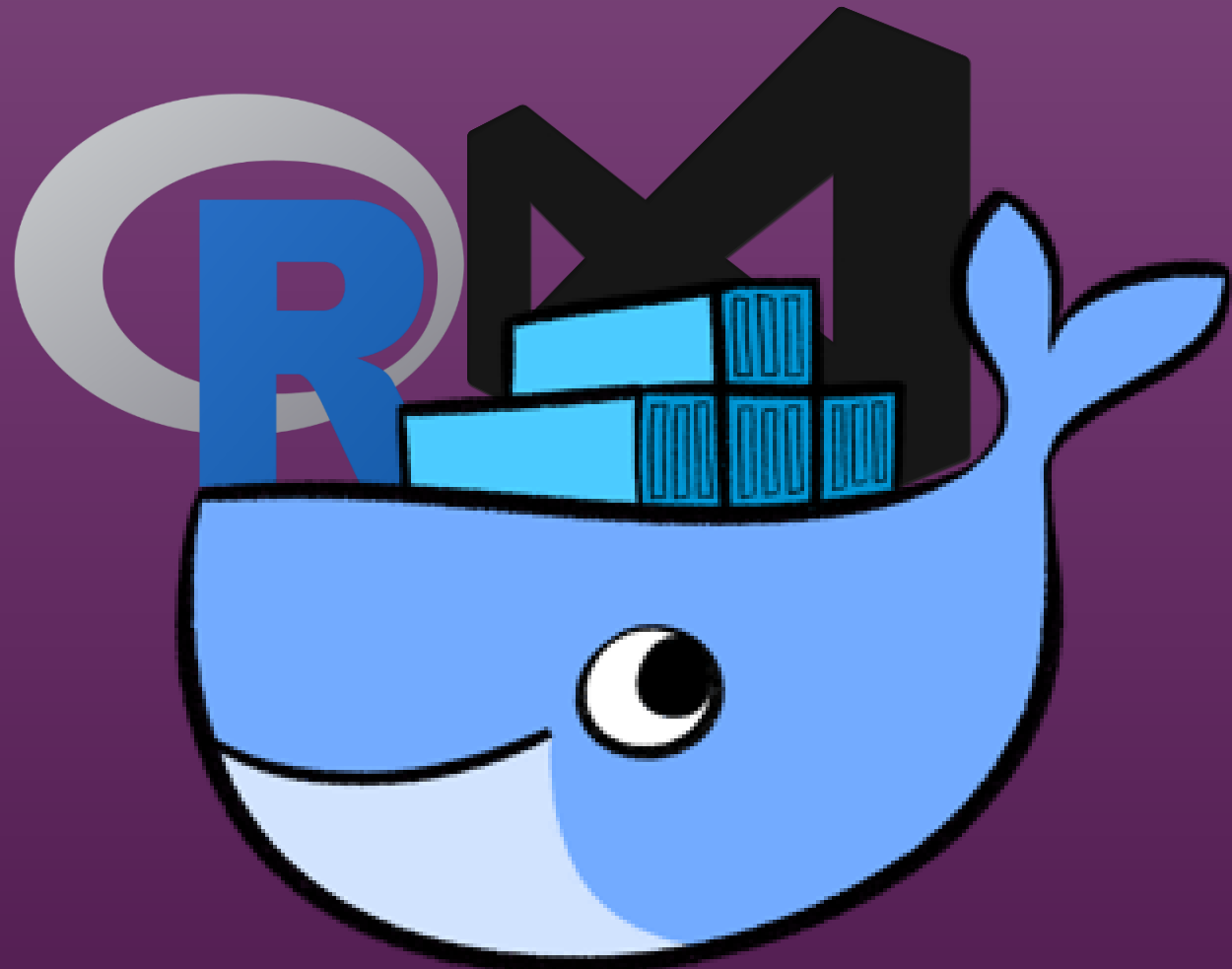# Dockerizing R Shiny Apps

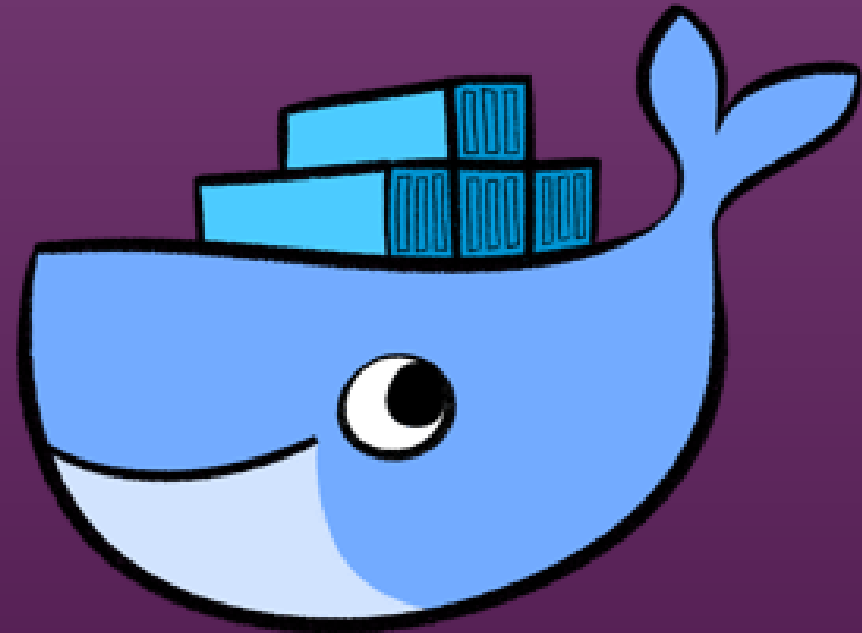Paul Lorett Amazona
Developer

@whatevergeek

AGENDA

R Tools for Visual Studio (RTVS)

RTVS with Docker

Docker for Shiny Apps

R Tools for Visual Studio (RTVS)

- Free
- Open Source (MIT License)
- Extension for

    VS2015 Update 3 or higher

    VS2017

Data science and analytical applications
Languages and tooling for creating data science applications, including Python, R and F#.
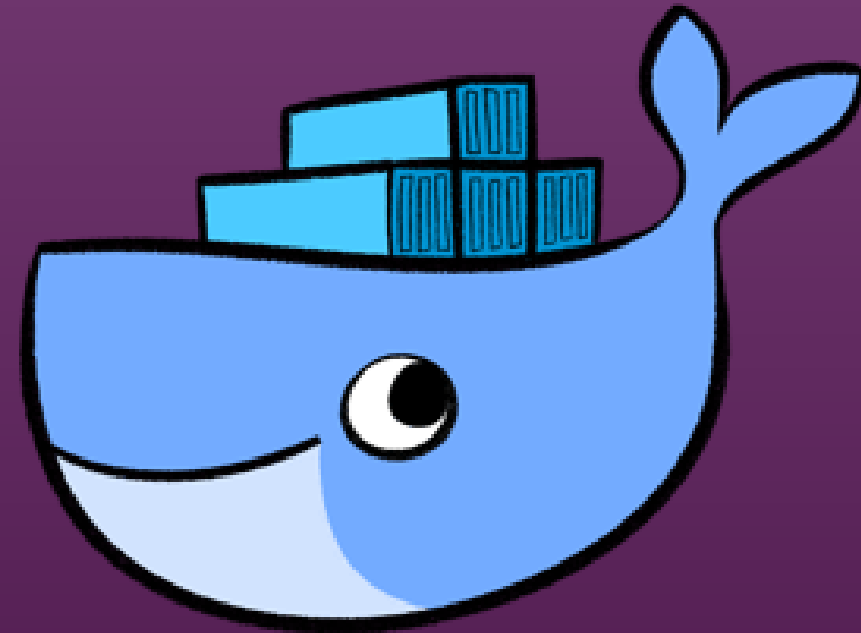
Some Fave RTVS Features (DEMO)

- Workspaces
- R Package Manager
- Rich Debugging Features
  - Variable Explorer
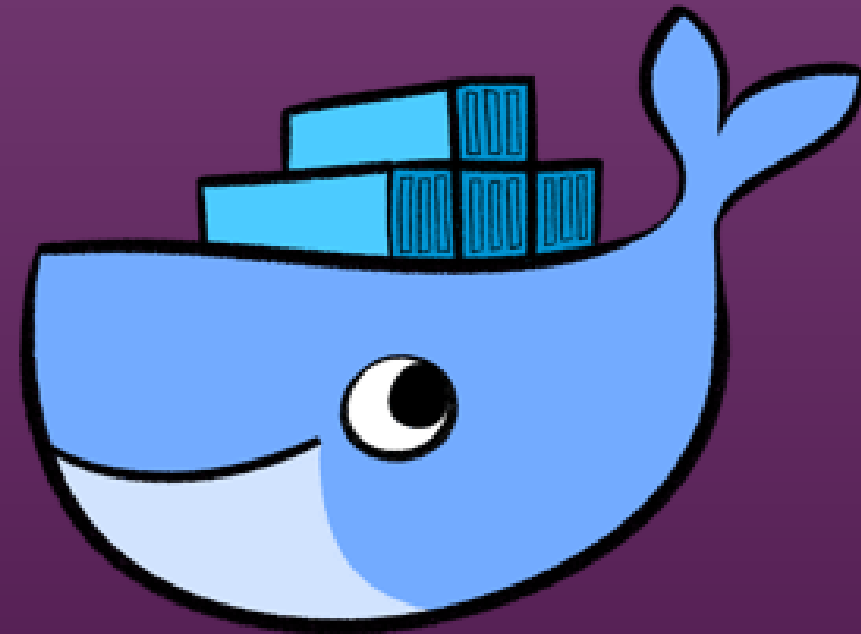 - Excel Integration
- Plot History

RTVS with Docker (DEMO)

- Remote Workspaces

- Remote Debugging

- Custom Image

Docker for Shiny Apps (DEMO)

- Running Shiny in RTVS

- Dockerfile Structure

- CD/CI to image hosting

- Deployment to Cloud Platforms

SUMMARY

R Tools for Visual Studio (RTVS)
- **https://tinyurl.com/rt4vs**

RTVS with Docker
- **https://tinyurl.com/rdocker**

Docker for Shiny Apps
- **https://tinyurl.com/shinydocker**