

# Introduction to sqlpetr

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# Section 1

## Getting Set Up

# Prerequisites

- R 3.5.0 or later
- RStudio (Preview) 1.2.1303 or later
- Docker Community Edition (18.09 or later)

# Optional

- Git for version control
- pgAdmin4 for PostgreSQL database administration

# Windows requirments

- 64-bit Intel / AMD processor with virtualization hardware enabled
- Windows 10 Pro with Hyper-V virtualizer enabled
- Docker for Windows
- 4 GB of RAM or greater

# Linux requirements

- 64-bit Intel / AMD processor with virtualization hardware enabled
- Docker CE supported distro
  - ▶ Fedora 29
  - ▶ Ubuntu 18.04.2 LTS “Bionic Beaver”
  - ▶ Debian 9.6 “stretch”
  - ▶ Arch Linux with Arch User Repository (AUR) and AUR helper yay
- Docker Community Edition (use Arch docker package on Arch)
- 4 GB of RAM or greater

## Section 2

# Docker Concepts

# Images



# Containers

# Networks

# Volumes

# Registries

## Section 3

# PostgreSQL Database Administration 101

# Clusters, databases and schemas

# Users / Roles

# Tables, views and materialized views



# Making a connection

# pgAdmin