

Database Laboratory work Nr.1

Title: INSTALLING AND CONFIGURING MSSQL

Tasks:

1. Installing Docker, Kitematic and Azure Data Studio
2. Connection to the server
3. System logins

Implementation :

First of all I installed Docker application on MAC.

The screenshot shows the official Docker Desktop for Mac landing page. At the top, it says "Install Docker Desktop on Mac". Below that, there's a "Download from Docker Hub" button. To the right, there are options to "Edit this page", "Request docs changes", and a toggle switch. A sidebar on the right lists links like "What to know before you install", "System requirements", and "Where to go next". The main content area contains sections for "What to know before you install" (with a note about Docker Toolbox and Docker Machine users) and "Relationship to Docker Machine" (explaining how Docker Desktop interacts with Docker Machine). There's also a note about Docker Desktop HyperKit VM and native virtualization.

Get Docker Desktop for Mac

Docker Desktop for Mac is available for free.

Docker Desktop - macOS must be version 10.13 or newer:
i.e. High Sierra (10.13), Mojave (10.14) or Catalina (10.15).
Mac hardware must be a 2010 or a newer model.

Download [Docker Toolbox](#) for previous OS versions.

By downloading this, you agree to the terms of the [Docker Software End User License Agreement](#) and the [Docker Data Processing Agreement \(DPA\)](#).

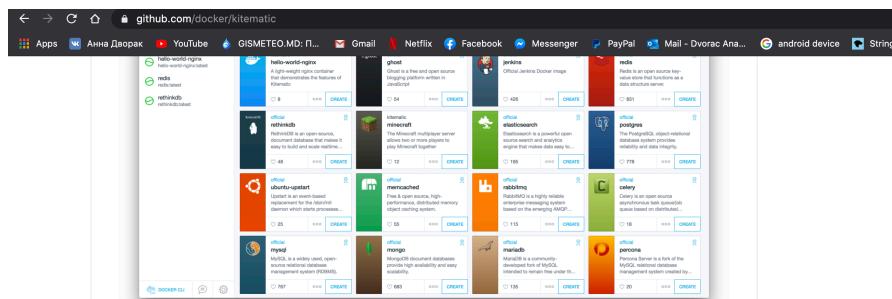


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Once it completely started, I installed Kitematic toolbox via the GitHub release page.



Kitematic is a simple application for managing Docker containers on Mac, Linux and Windows.

Installing Kitematic

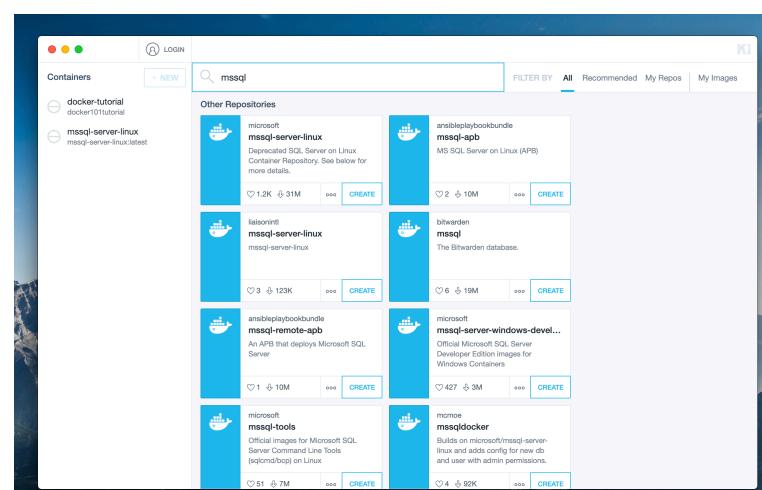
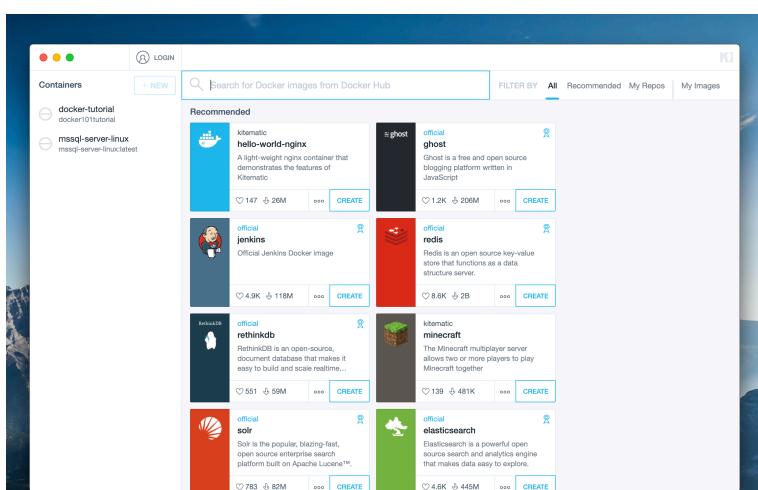
Download the latest version of Kitematic via the github release page.

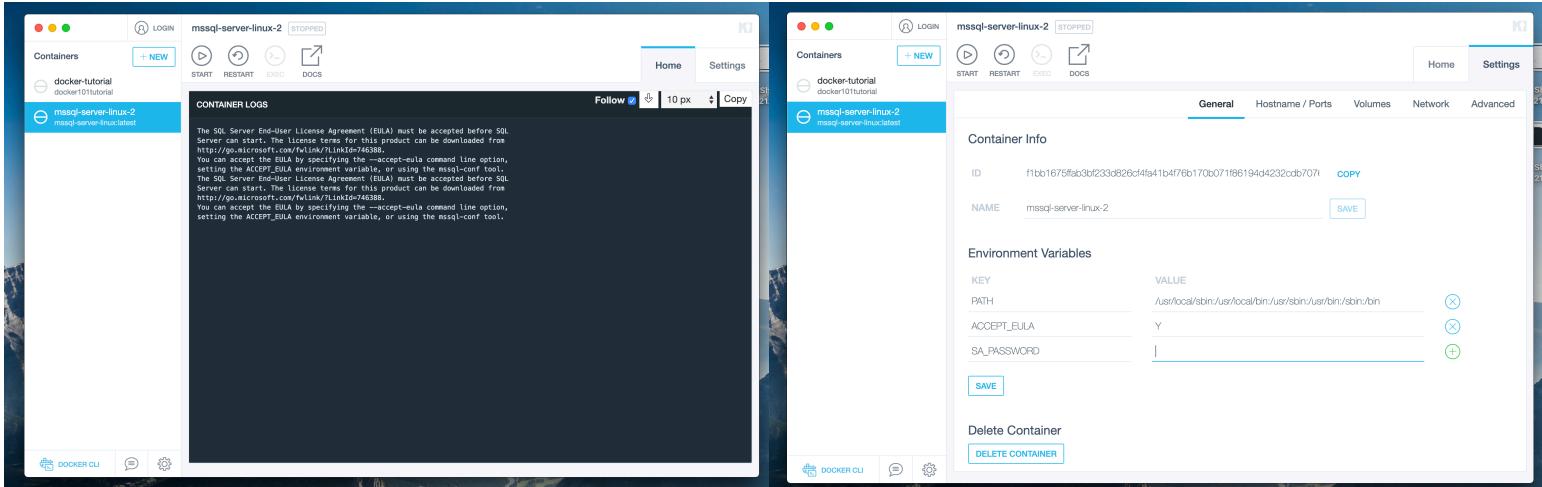
Documentation

Kitematic's documentation and other information can be found at <http://kitematic.com/docs>.

The screenshot shows the GitHub release page for Kitematic v0.17.12. At the top, there's a 'Latest release' section with a download link for 'v0.17.12' and a commit history from '6eba724'. Below this is a 'Compare' button. The main content area features the version 'v0.17.12' prominently. It includes a message from 'mat007' about the release date and commits, followed by a bulleted list of changes: 'fix vulnerabilities'. A 'Assets' section lists five files: 'Kitematic-0.17.12-Mac.zip', 'Kitematic-0.17.12-Ubuntu.zip', 'Kitematic-0.17.12-Windows.zip', 'Source code (zip)', and 'Source code (tar.gz)'. The background of the page has a dark, abstract design.

After installing Kitematic, I installed MSSQL Server Container





Downloaded Azure Data Studio for Mac

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Version: SQL Server 2019

Download Azure Data Studio

Release notes:

- Overview
- Quickstarts
- Tutorials
- Concepts
- How-to guides
- References
- Resources

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Download and install Azure Data Studio

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Azure Data Studio runs on Windows, macOS, and Linux.

Download and install the latest release:

Note

If you're updating from SQL Operations Studio and want to keep your settings, keyboard shortcuts, or code snippets, see [Move user settings](#).

Platform	Download	Release date	Version
Windows	User Installer (recommended) System Installer zip	August 12, 2020	1.21.0
macOS	zip	August 12, 2020	1.21.0
Linux	.deb .rpm .tar.gz	August 12, 2020	1.21.0

For details about the latest release, see the [release notes](#).

Is this page helpful? [Yes](#) [No](#)

In this article

- Get Azure Data Studio for Windows
- Get Azure Data Studio for macOS
- Get Azure Data Studio for Linux
- Download Insiders build of Azure Data Studio
- Uninstall Azure Data Studio
- Supported Operating Systems
- Recommended System Requirements
- Check for updates
- Supported SQL offerings
- Upgrade from SQL Operations Studio
- Move user settings
- Next Steps

After it was installed, I added some information to connect Azure Data Studio with MSSQL Server Container

Welcome

Azure Data Studio

New connection
New query
New notebook
Open file

New Deployment...

No recent folders

Getting started
Documentation
Report issue or feature request
GitHub repository
Release notes

Customize
Extensions
Keyboard Shortcuts
Color theme

Learn
Find and run all commands
Discover what's new in the latest release

Preview features are required for extensions to be fully supported and for some actions to be available. Would you like to enable preview features?

Choose SQL Language

Connections

Servers

localhost, <default> (sa)

Connection

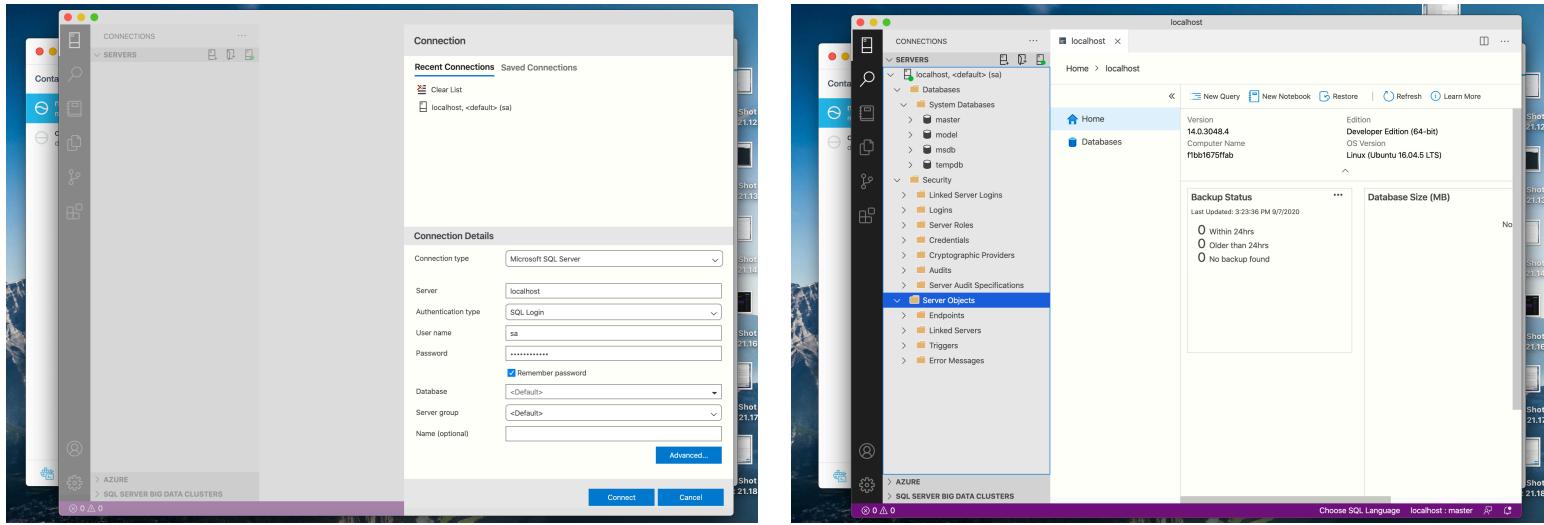
Recent Connections: localhost, <default> (sa)

Connection Details:

- Connection type: Microsoft SQL Server
- Server:
- Authentication type: SQL Login
- User name:
- Password:
- Remember password:
- Database: <Default>
- Server group: <Default>
- Name (optional):

Advanced...

Connect Cancel



Conclusion:

During this laboratory work, I familiarized myself with installing and configuring MSSQL using Docker, Kitematic and Azure Studio. I learnt how to make connection between Azure and MSSQL Container.