

uname -a

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● risa@Risas-MBP RabbitMQ % uname -a
Darwin Risas-MBP 21.3.0 Darwin Kernel Version 21.3.0: Wed Jan  5 21:37:58 PST 2022; root:xnu-8019.80.24~20/RELEASE_ARM64_T6000 arm64
○ risa@Risas-MBP RabbitMQ %
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docker --version

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● risa@Risas-MBP RabbitMQ % docker --version
Docker version 20.10.17, build 100c701
○ risa@Risas-MBP RabbitMQ %
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docker-compose --version

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● risa@Risas-MBP RabbitMQ % docker-compose --version
Docker Compose version v2.6.1
○ risa@Risas-MBP RabbitMQ %
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By allowing you to connect listening services and listen to specific subjects, topic-based communication provides advantages over HTTP. If services are busy, it can also maintain traffic balance and retain messages in a queue while they wait to be processed. Since AMQP is an asynchronous protocol while HTTP is synchronous, you should choose AMQP instead of HTTP if you require an asynchronous protocol. Another feature of AMQP that HTTP lacks is guaranteed delivery. Additionally, topic-based communication makes it simpler to locate services. Before this exercise, I was unfamiliar with AMQP or RabbitMQ, therefore it was interesting to pick up some new information. The topic of Docker volumes was also expanded upon. I used to find them a little hazy.