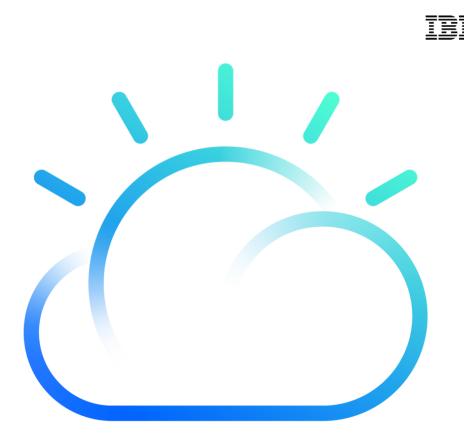
Containers and IBM Db2 Developer Community Edition



Kay Groski groski@us.ibm.com

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1. The Container Revolution

2. The IT Container Revolution

3.Db2 Common SQL Engine

4.Db2 Developer Community Edition

The first container revolution





4

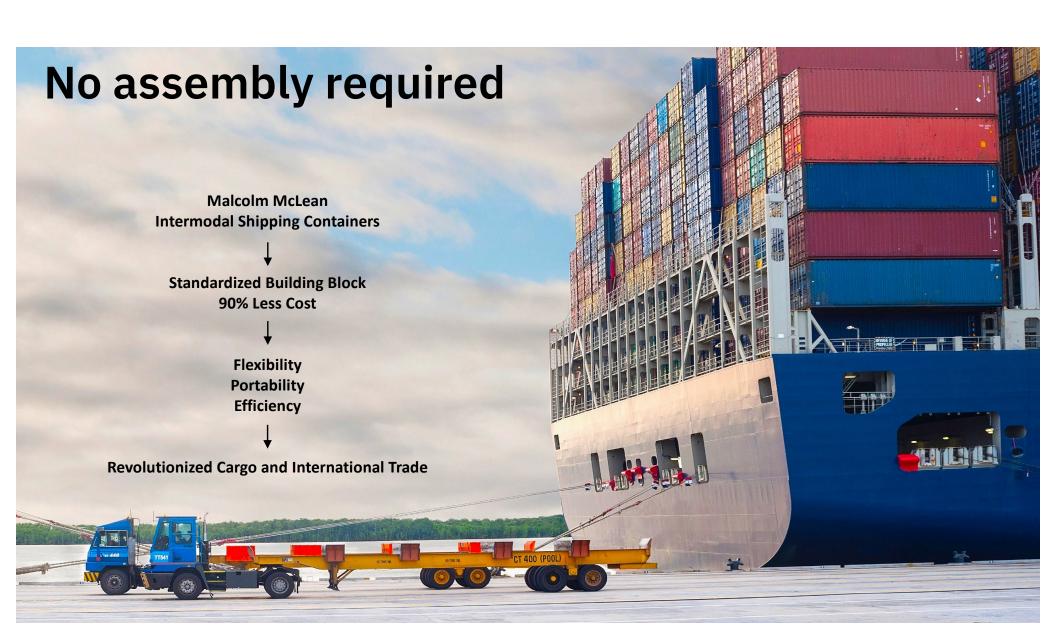
The first container revolution





Containers need to be managed





1. The Container Revolution

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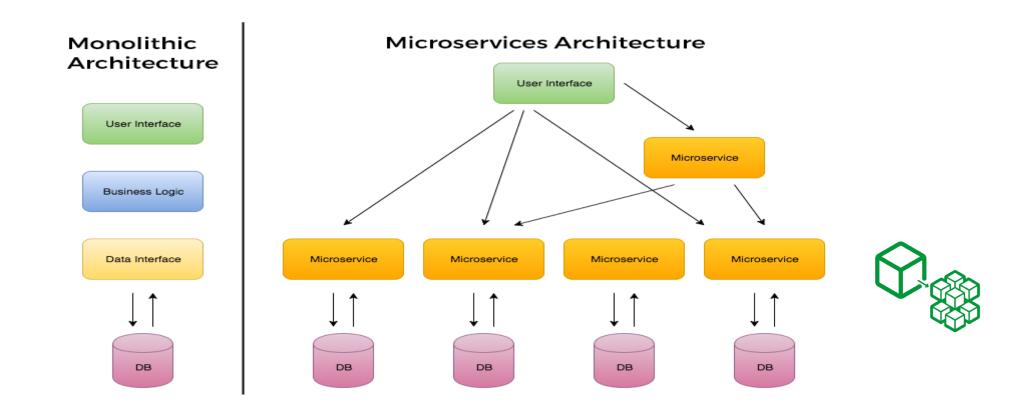
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Microservices

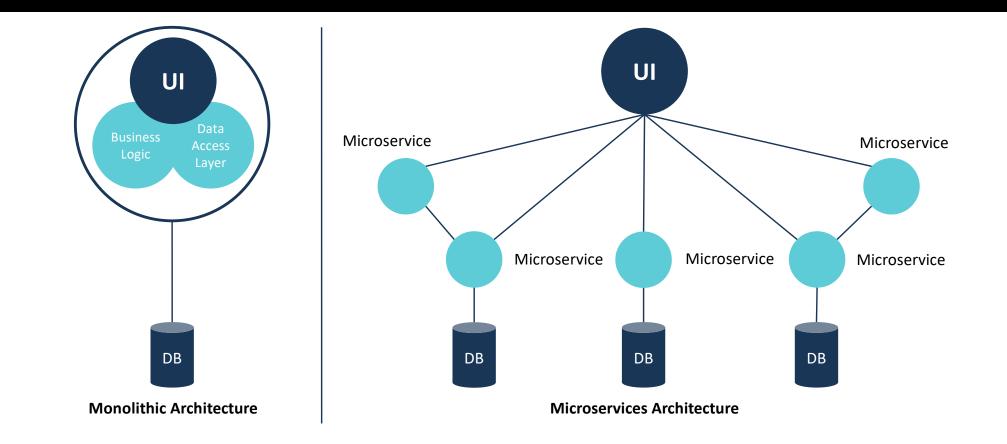




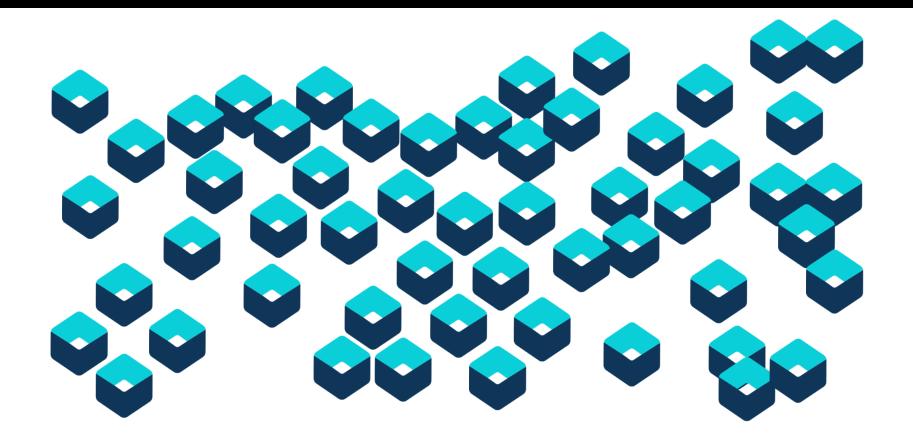
Microservices



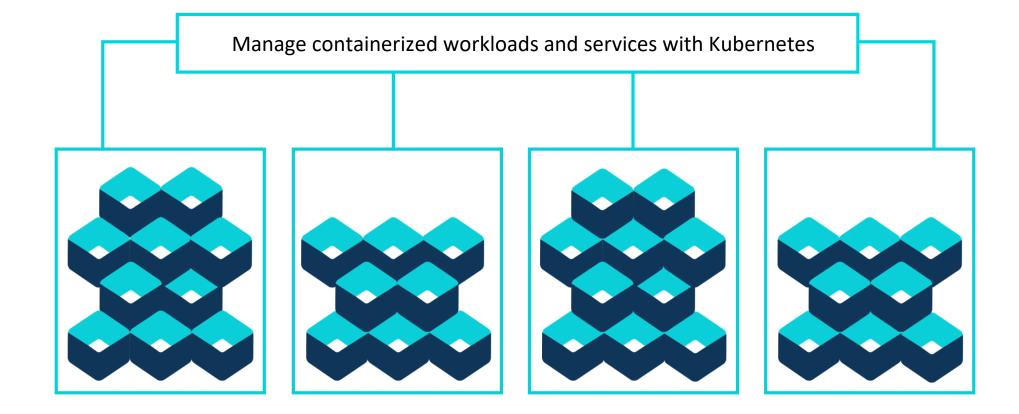
Cloud Native Apps Monolithic vs Microservices Architectures

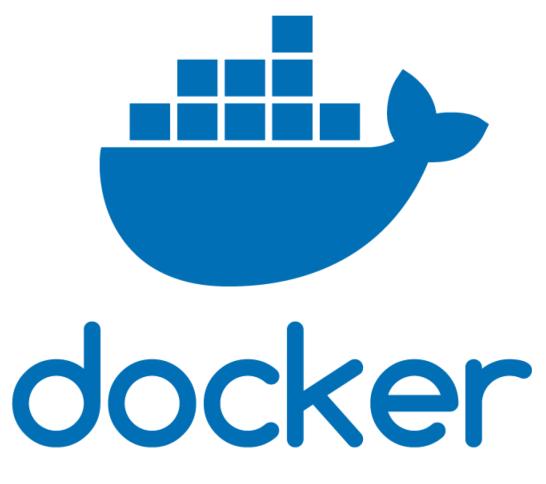


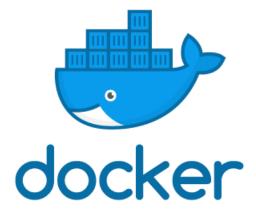
Containers are revolutionizing IT However, they need automation and orchestration



Kubernetes – (Κυβερνήτης - Captain in Greek)

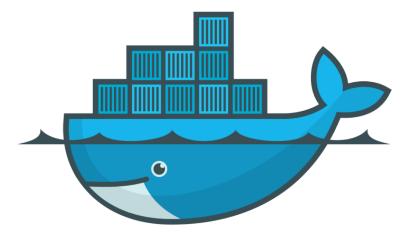






The second container revolution

App 1	App 2	Арр З		
Bins/Libs	Bins/Libs	Bins/Libs		
			App 1	App 2
Guest OS	Guest OS	Guest OS	Bins/Libs	Bins/Libs
			C	Container Engin





App 3

Bins/Libs

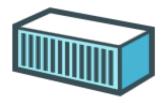
Containers can be 2 – 3 times more resource efficient than VMware

Docker Containers vs Vmware

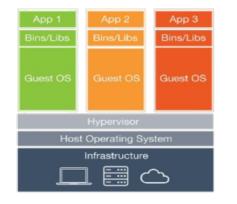




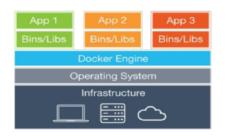
Build



Ship



vmware[®]



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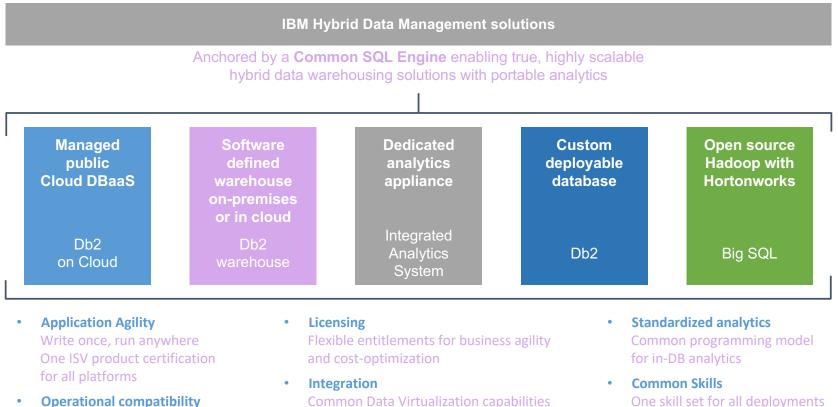


Run

Containers can be 2 – 3 times more resource efficient than VMware

- 1. The Container Revolution
- 2.The IT Container Revolution
- **3.Db2 Common SQL Engine**
- 4.Db2 Developer Community Edition

Write Once, Run Anywhere, With a Common SQL Engine



Common Data Virtualization capabilities for query federation and data movement

One skill set for all deployments Drive higher efficiencies and portfolio rationalization

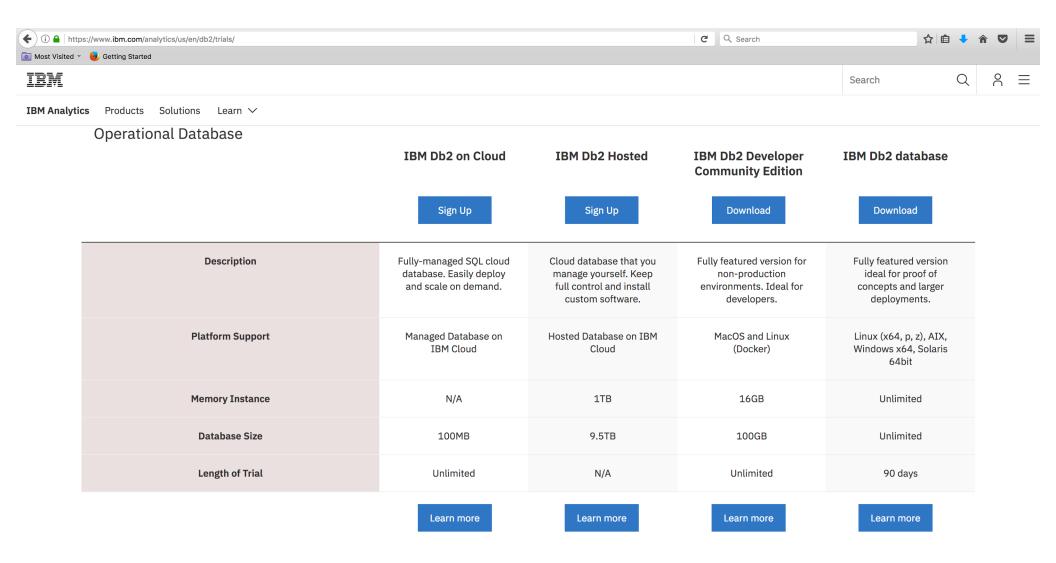
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Reuse operational and

housekeeping procedures

- 1. The Container Revolution
- 2.The IT Container Revolution
- 3.Db2 Common SQL Engine

4.Db2 Developer Community Edition



IBM

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IBM Db2 Developer Community Edition

IBM[®] Db2[®] is a multi-workload database designed to help you quickly develop, test and build applications for your business.

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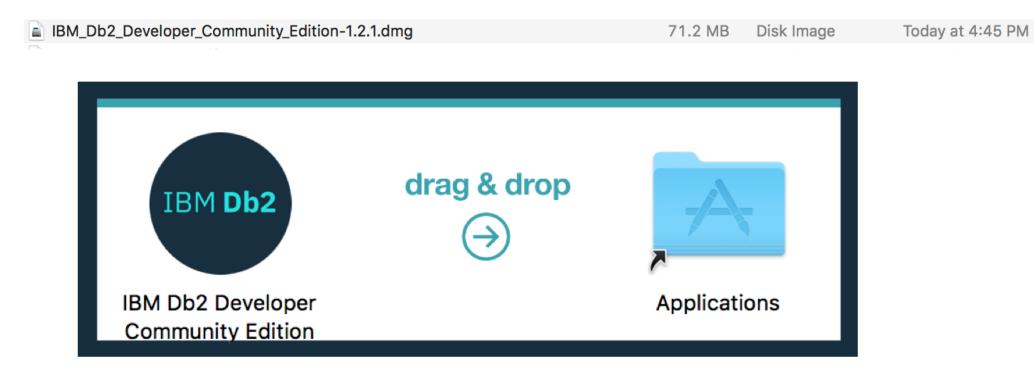
IBM Software

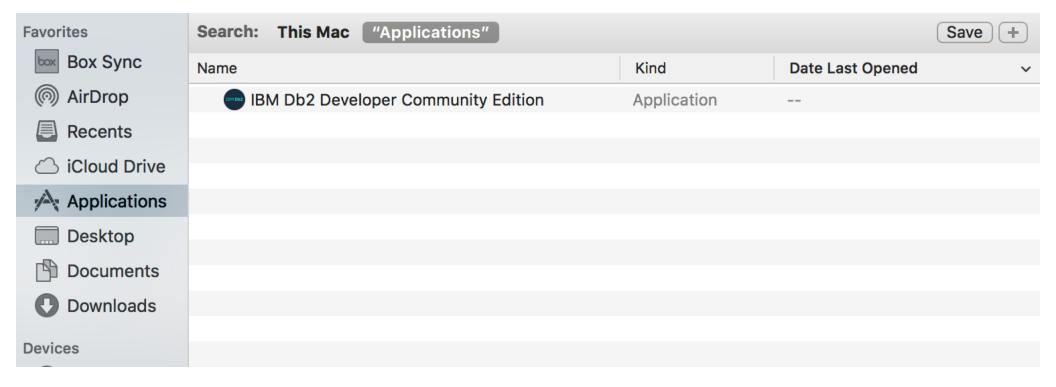
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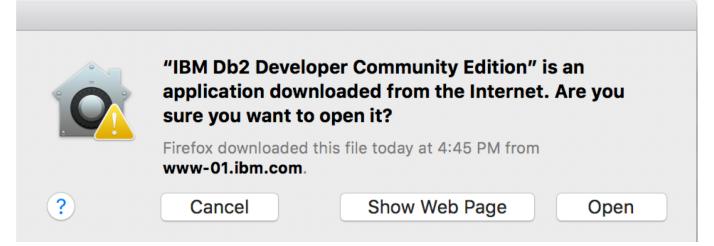
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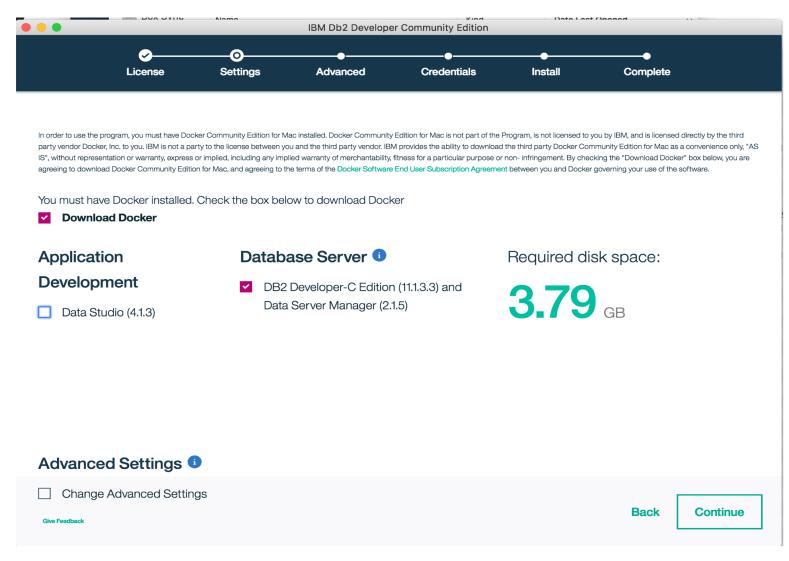




Let's get started

IBM Db2

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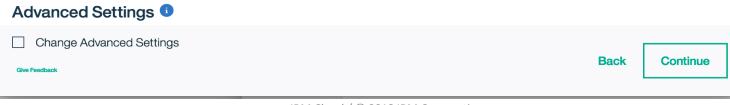


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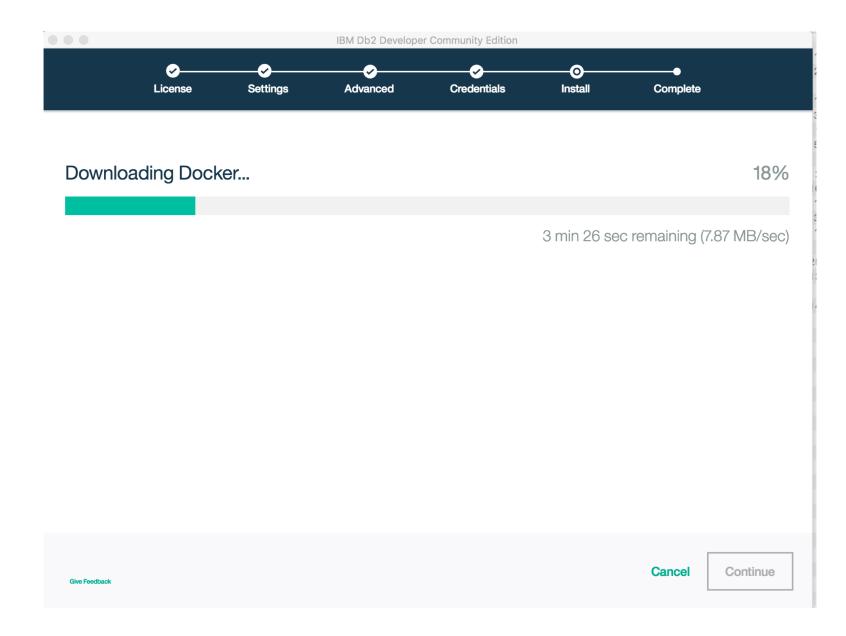
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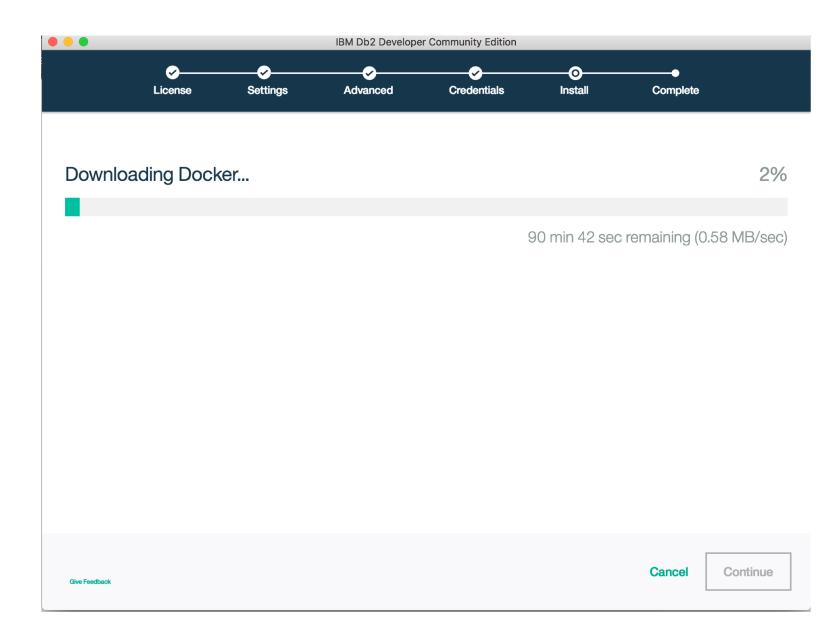




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 Create SAMPLE databute Used primarily for write, Create SAMPLE databute Used primarily for query 	, update, and delete case for analytica	e operations. I workloads			
Give Feedback					Back Continue







Welcome to Docker for Mac!

We are whaly happy to have you.

Next



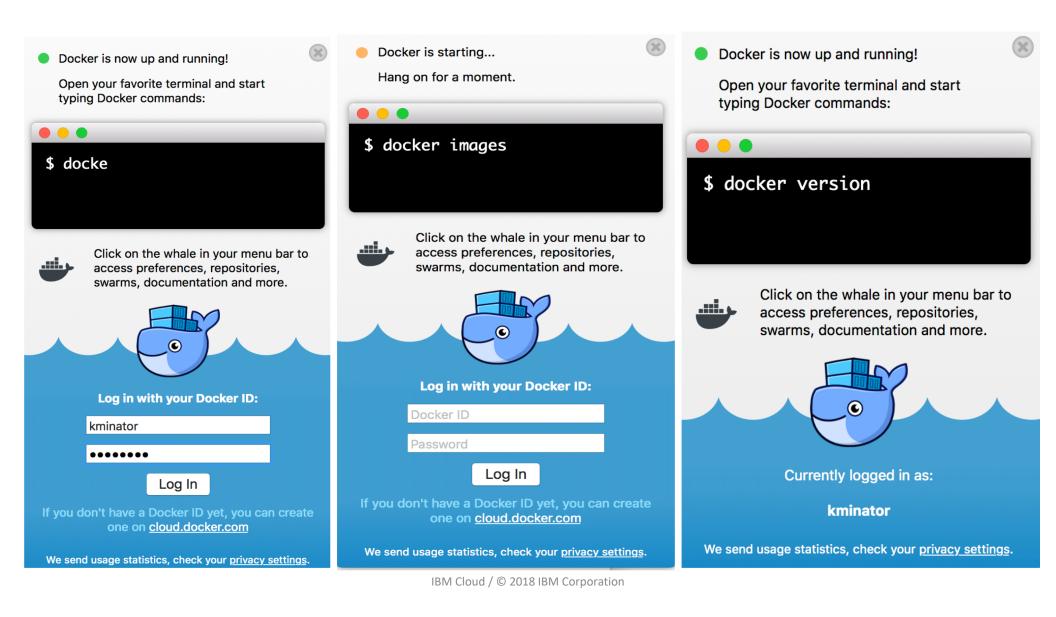
Docker needs privileged access.

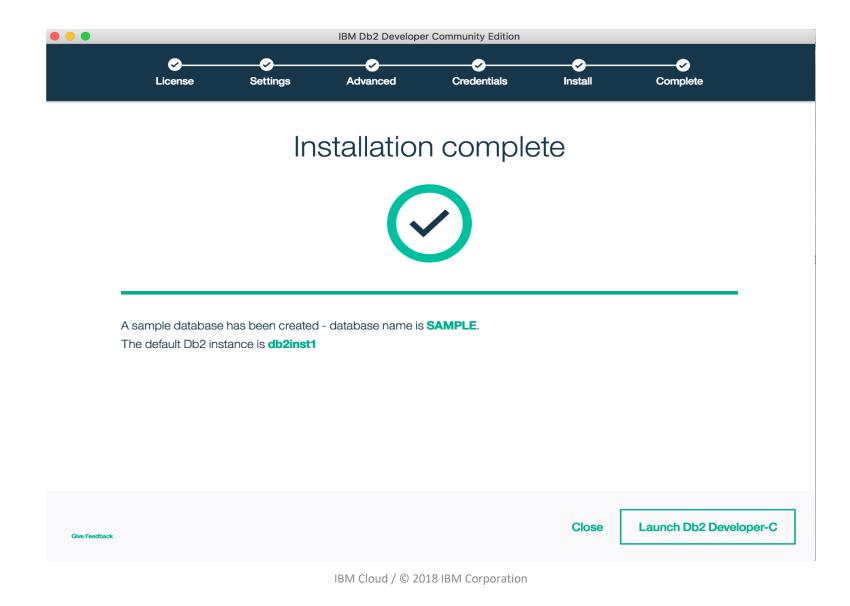
Docker for Mac needs privileged access to install its networking components and links to the Docker apps.

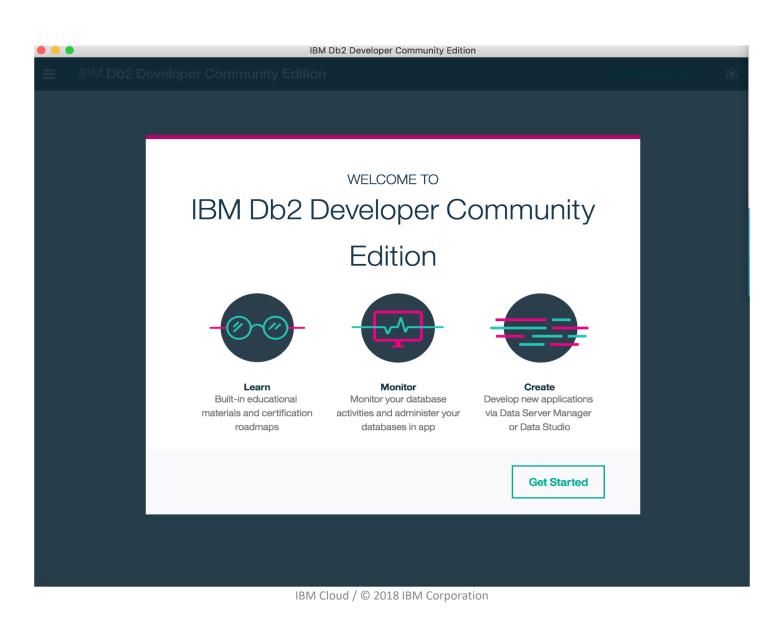
Exit

OK

You will be asked for your password.

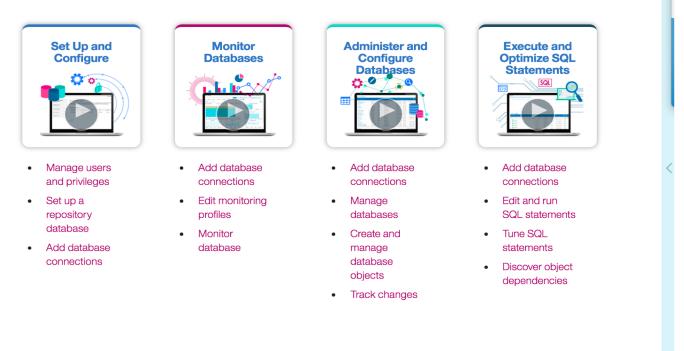






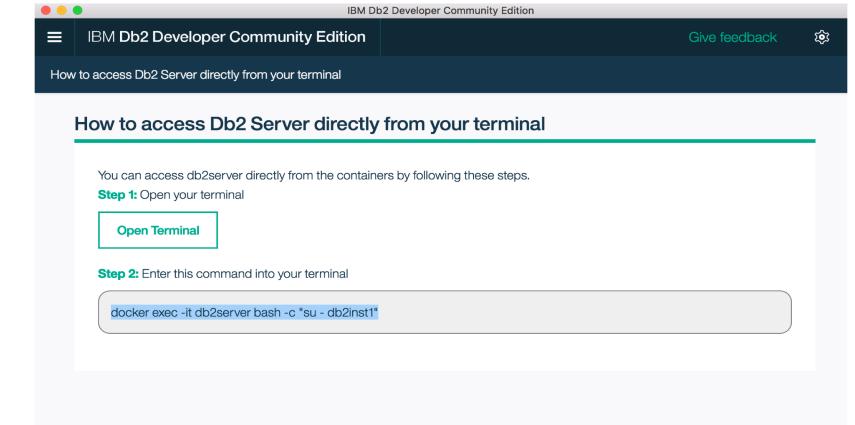


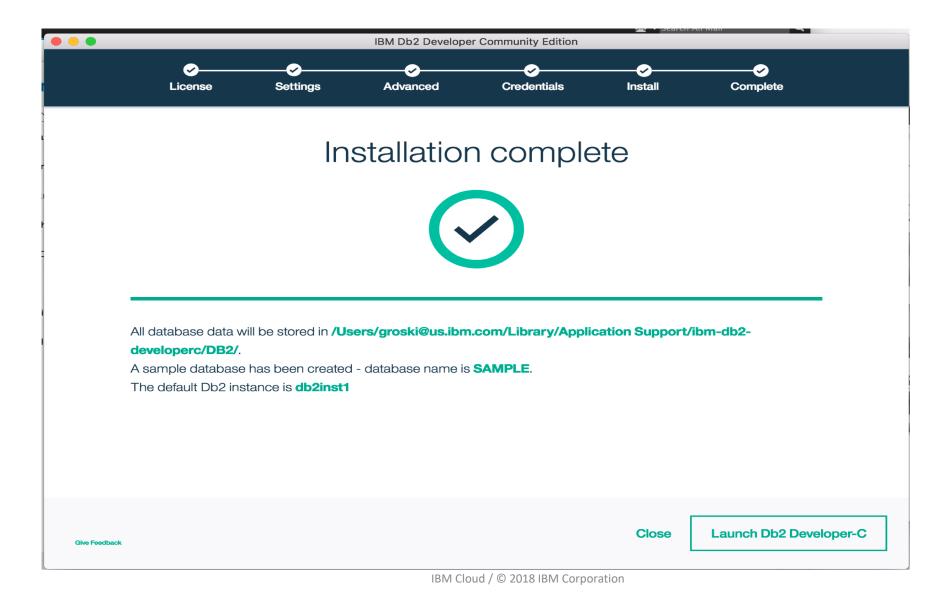
Welcome to Data Server Manager



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