



TOPIC

Guida intergalattica per il deploy di applicazioni spaziali

La risposta non è sempre "42" (Microservizi)





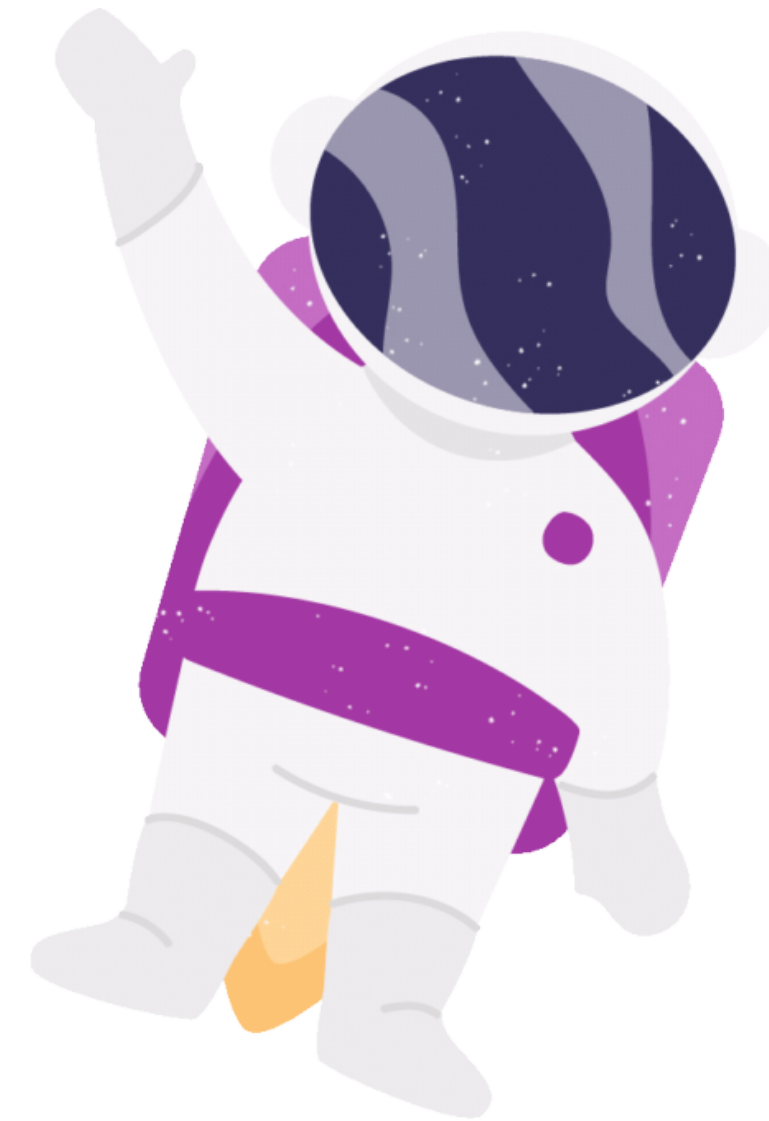






RocketSw

SOFTWARE & A LOT OF STUFF

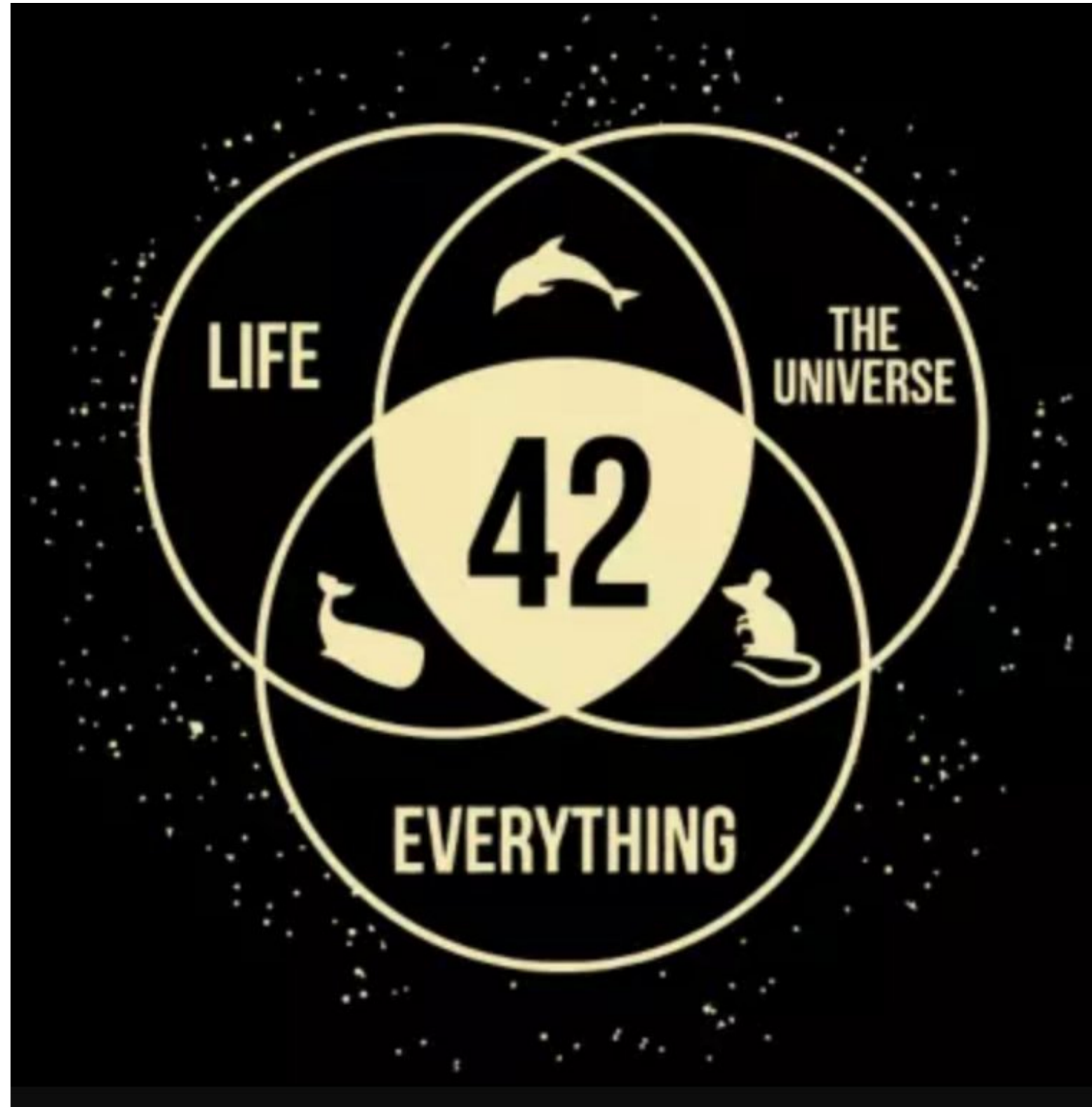


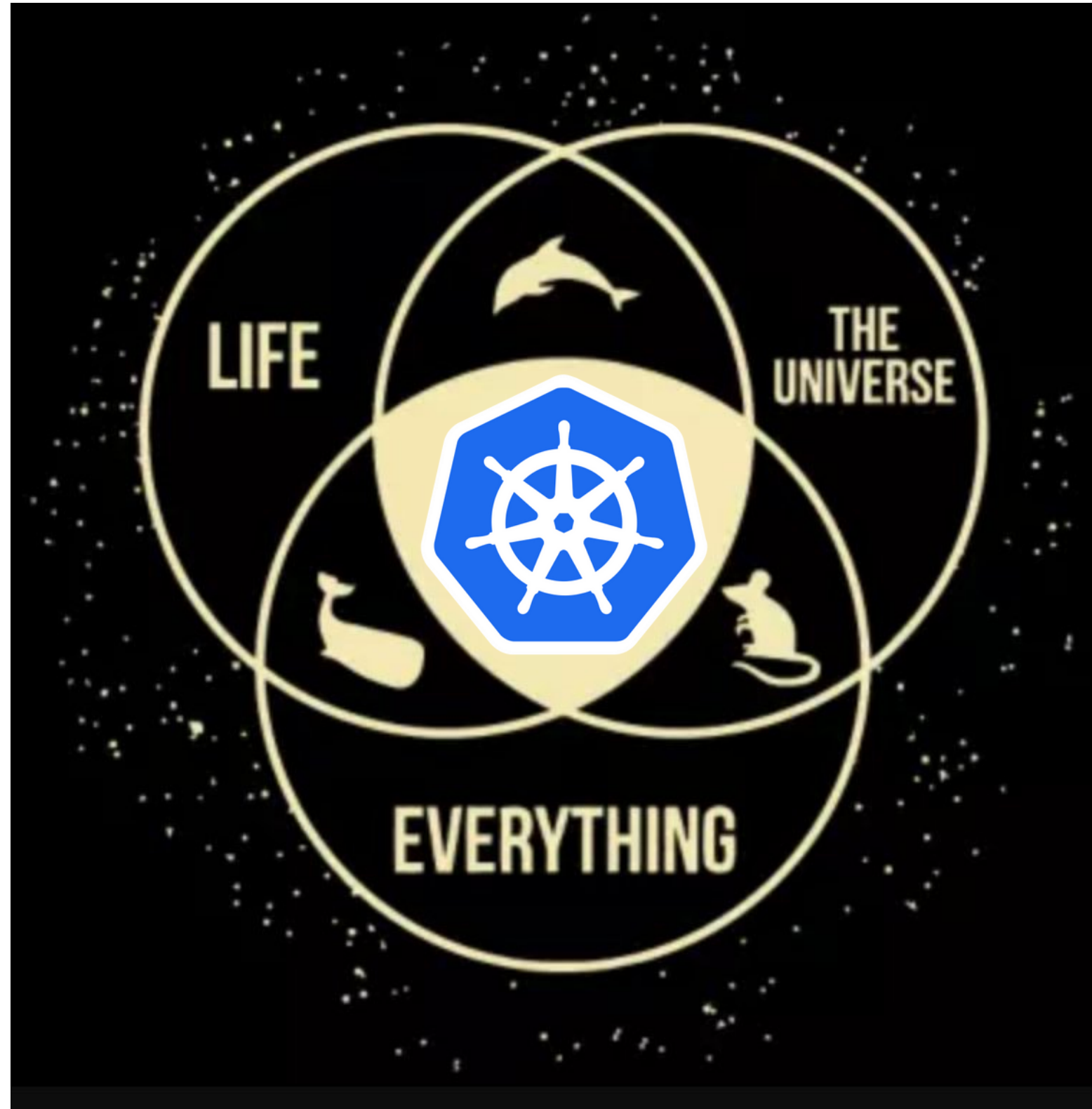


RocketSw

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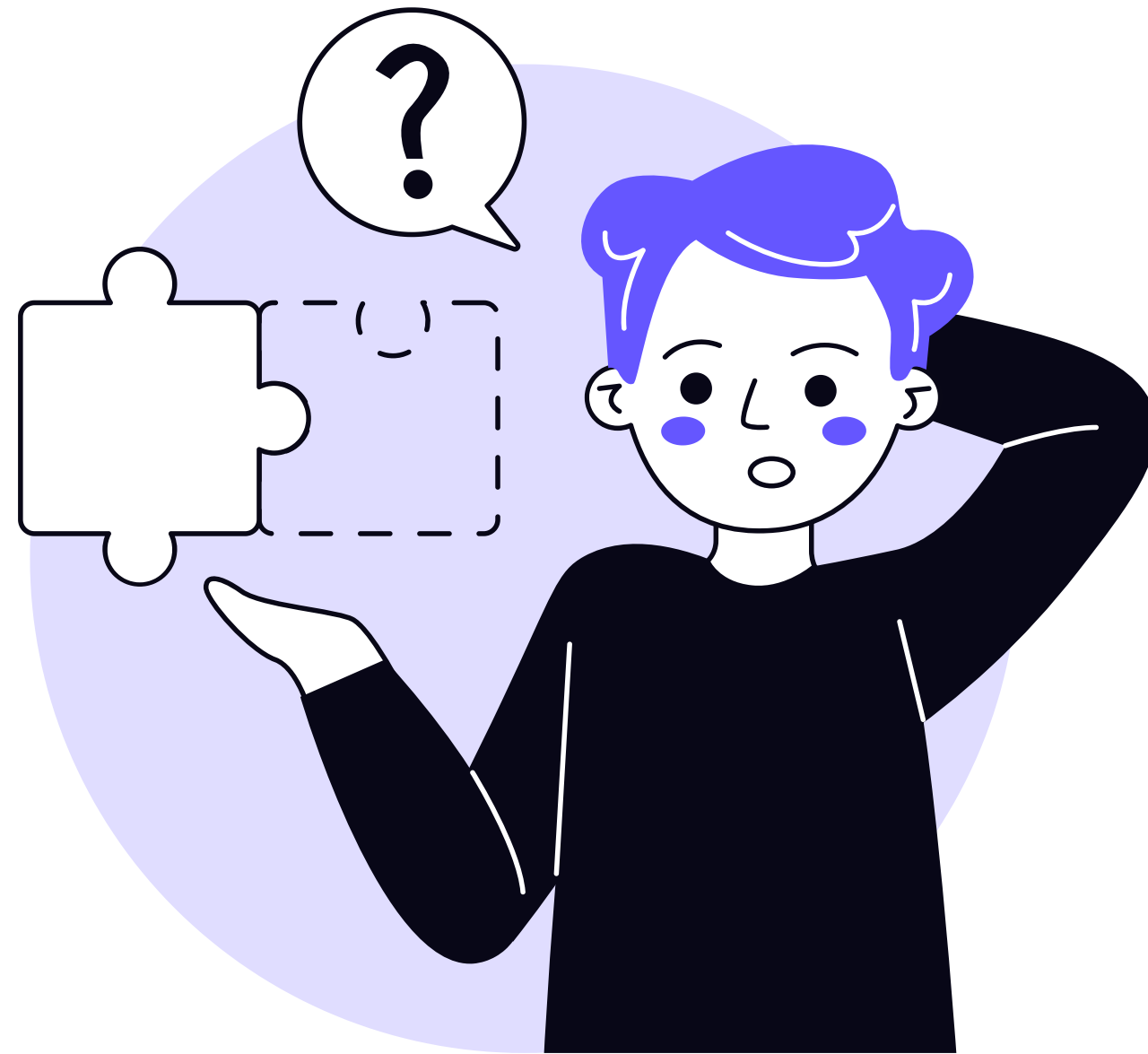




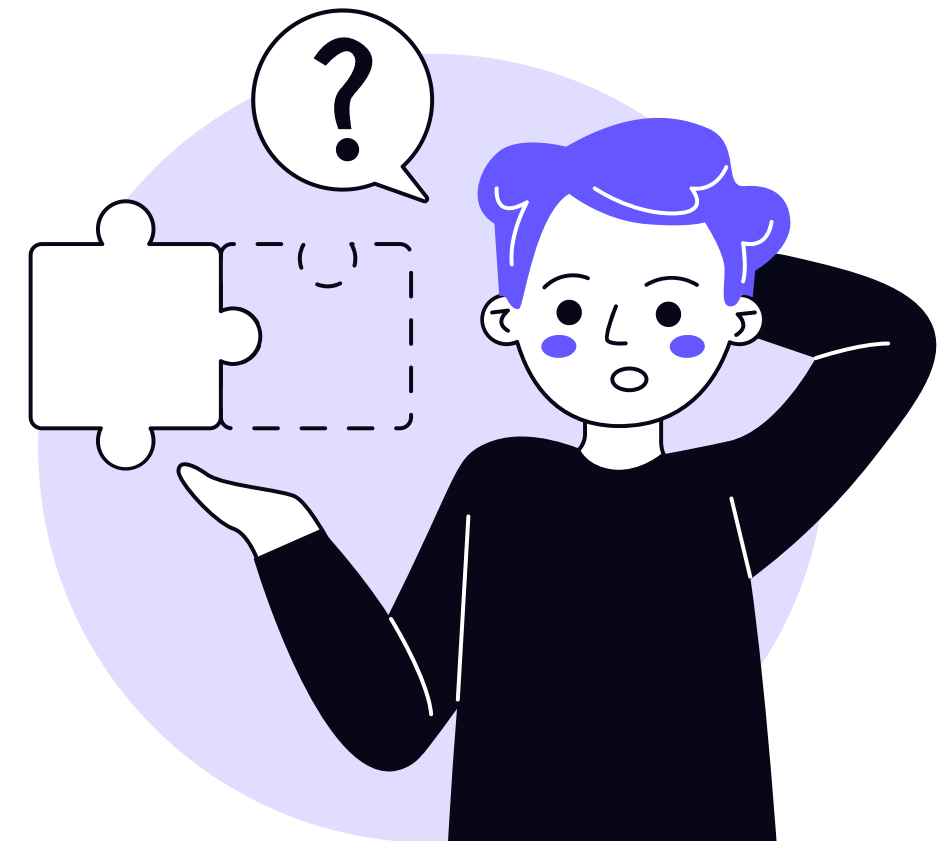



```
[ ~ k get pods ✓ brewup_global_azure_23 ○ 00:19:26 ]
```

NAME	READY	STATUS	RESTARTS	AGE
backend	0/1	CrashLoopBackOff	1 (4s ago)	7s
frontend	0/1	Completed	2 (18s ago)	22s



Monolith vs Microservices



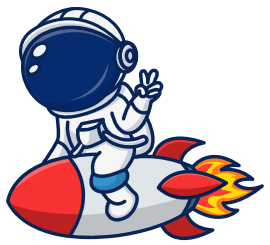


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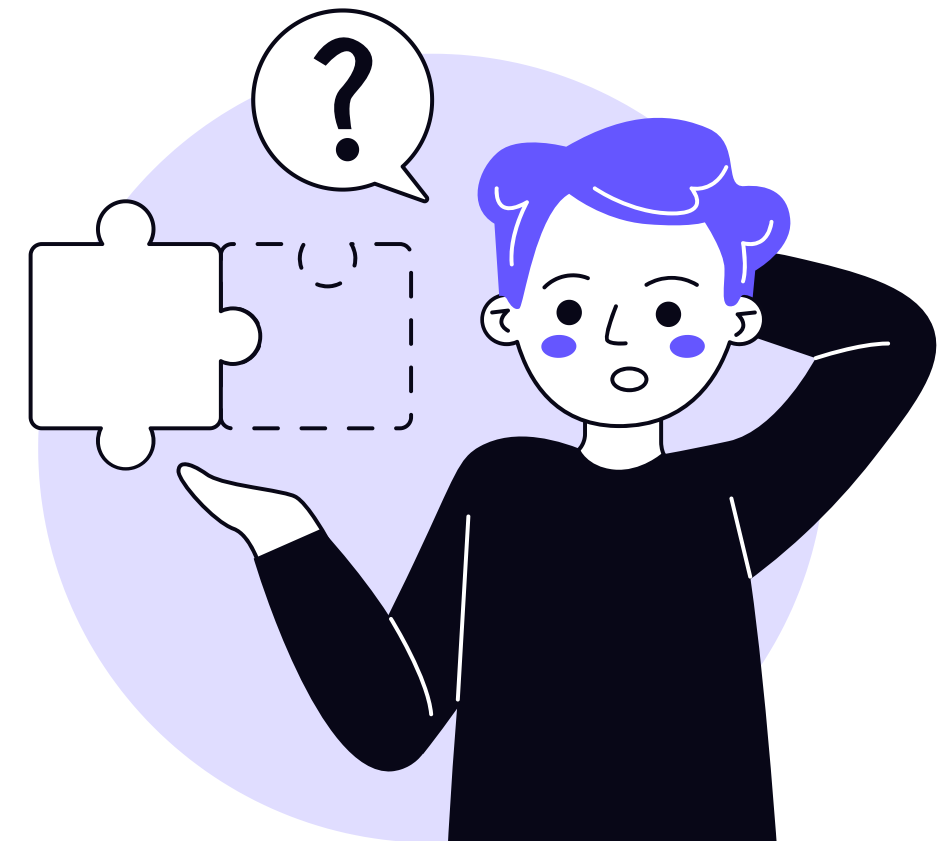
“La felicità è come gli orologi: i meno complicati sono quelli che si guastano meno.”

(Nicolas-Sébastien Roch de Chamfort)

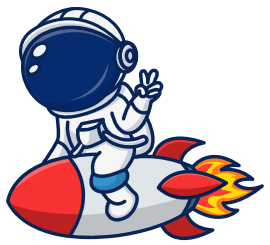
Monolith



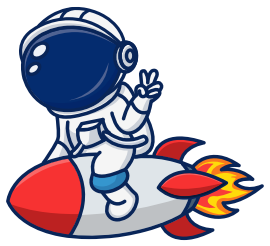
Time to market rapida



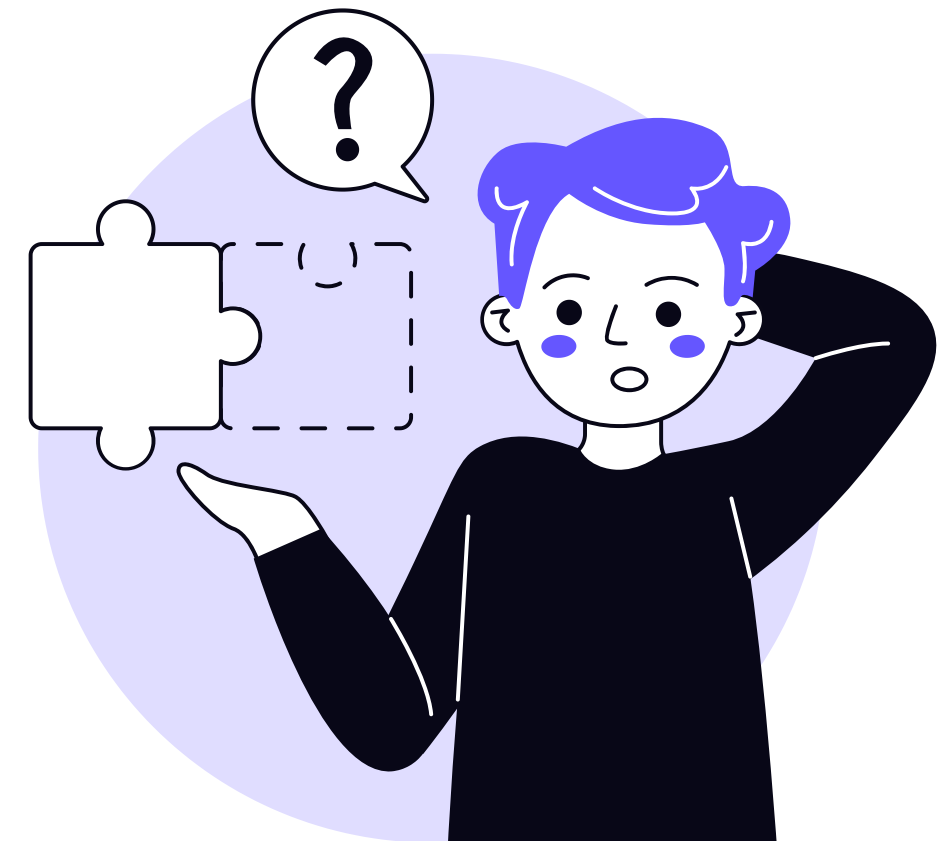
Monolith



Time to market rapida



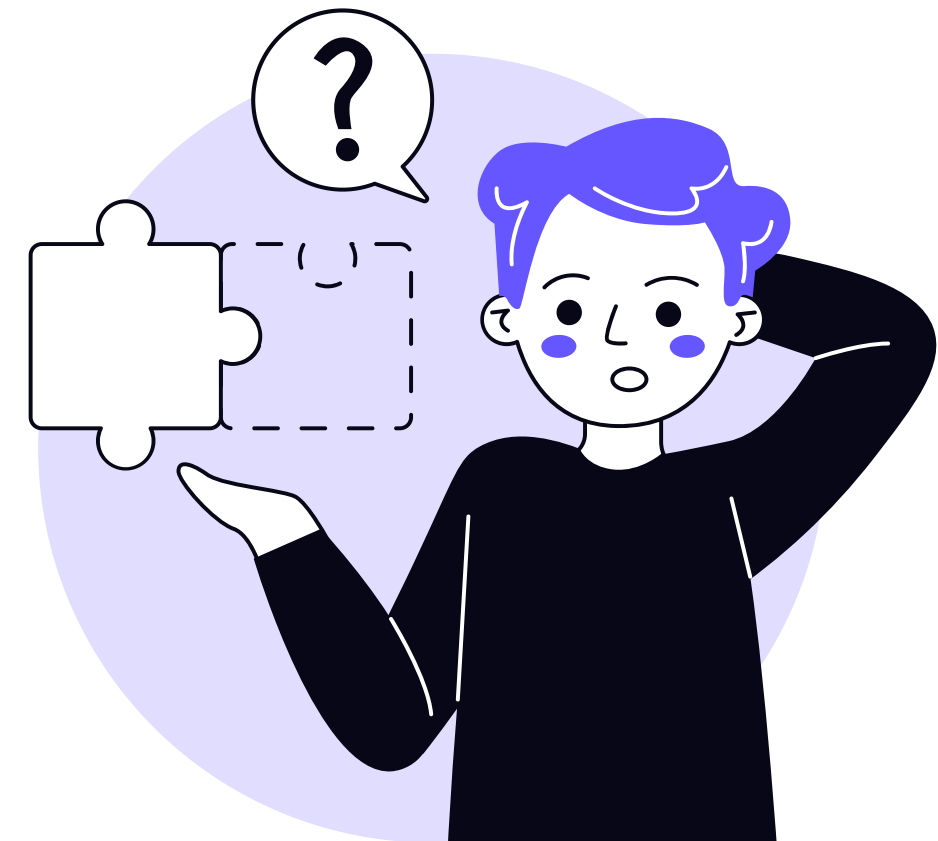
Easy deploy



Monolith



Poco scalabile



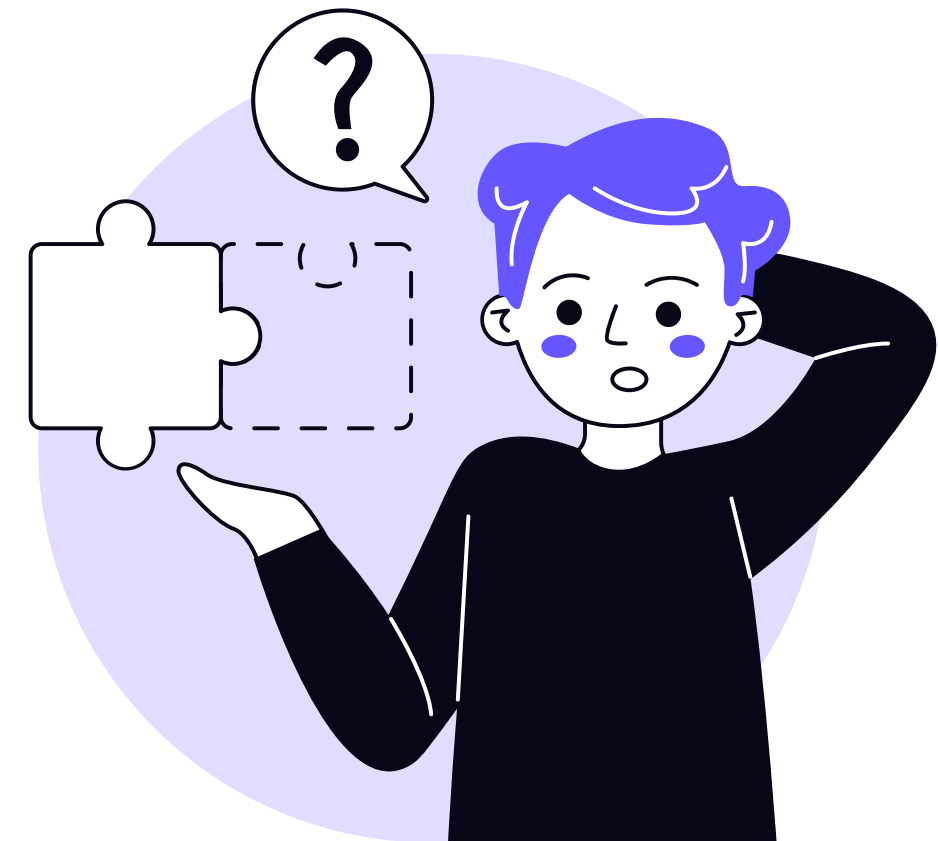
Monolith



Poco scalabile



Meno affidabile



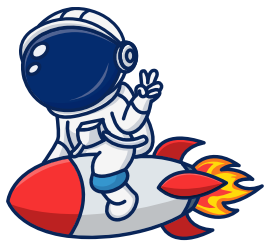


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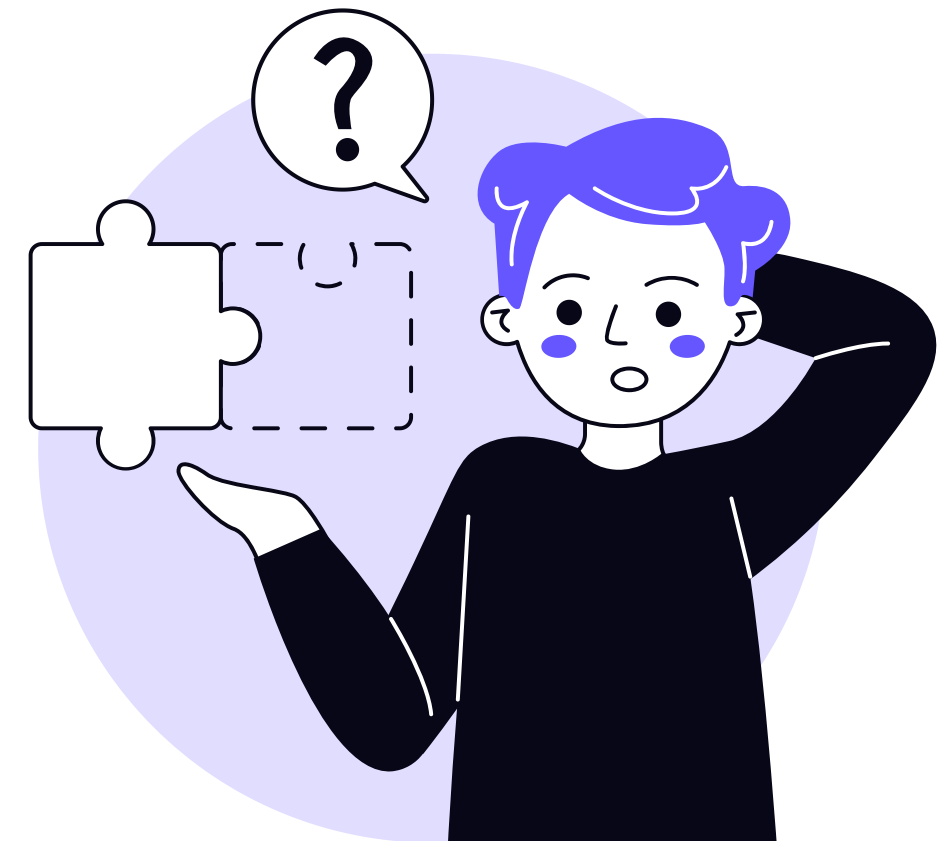
È semplice rendere le cose
complicate, ma è complicato renderle
semplici.

(Arthur Bloch, Legge di Mayer, Legge di Murphy)

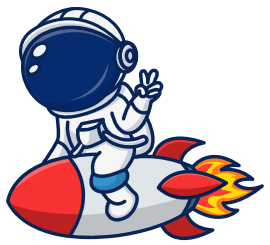
Microservices



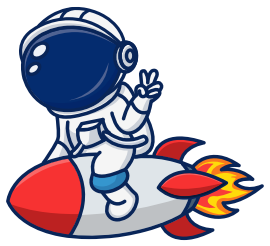
Scalabile



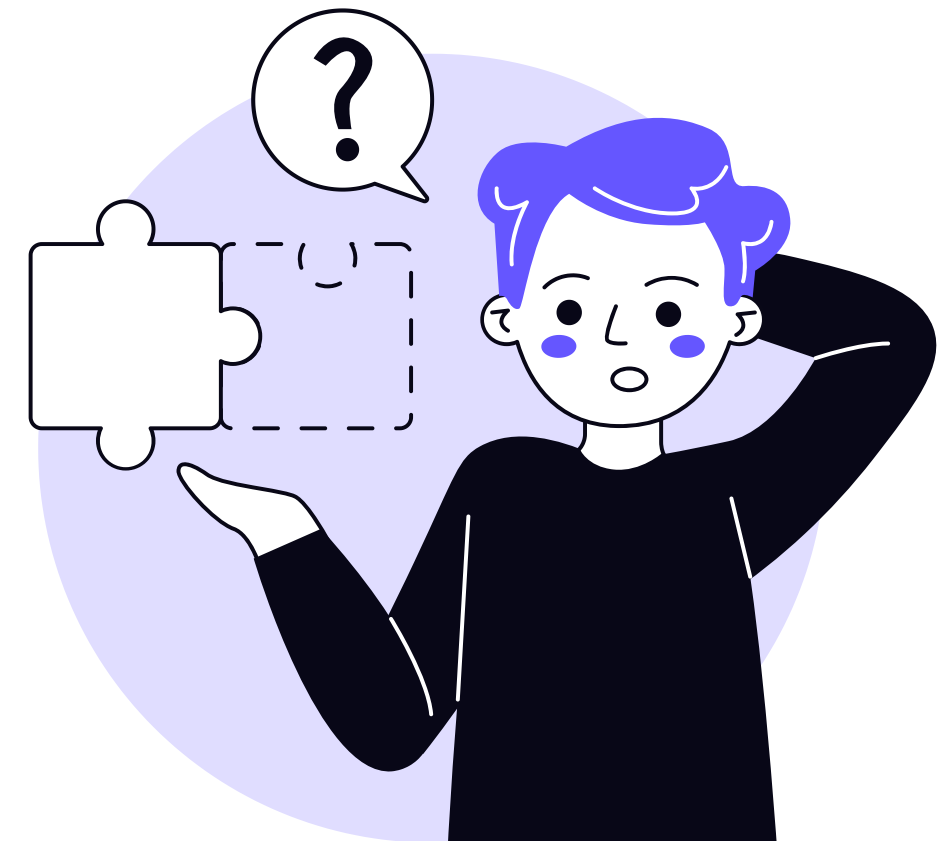
Microservices



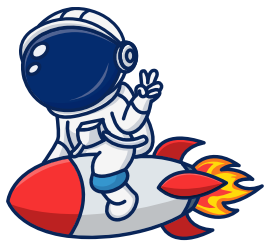
Scalabile



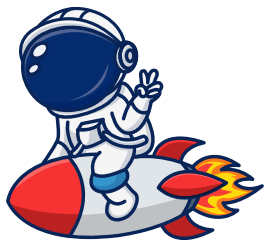
Maggiore affidabilità



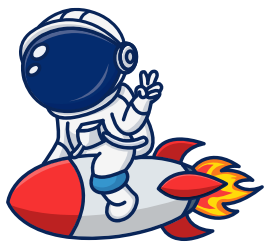
Microservices



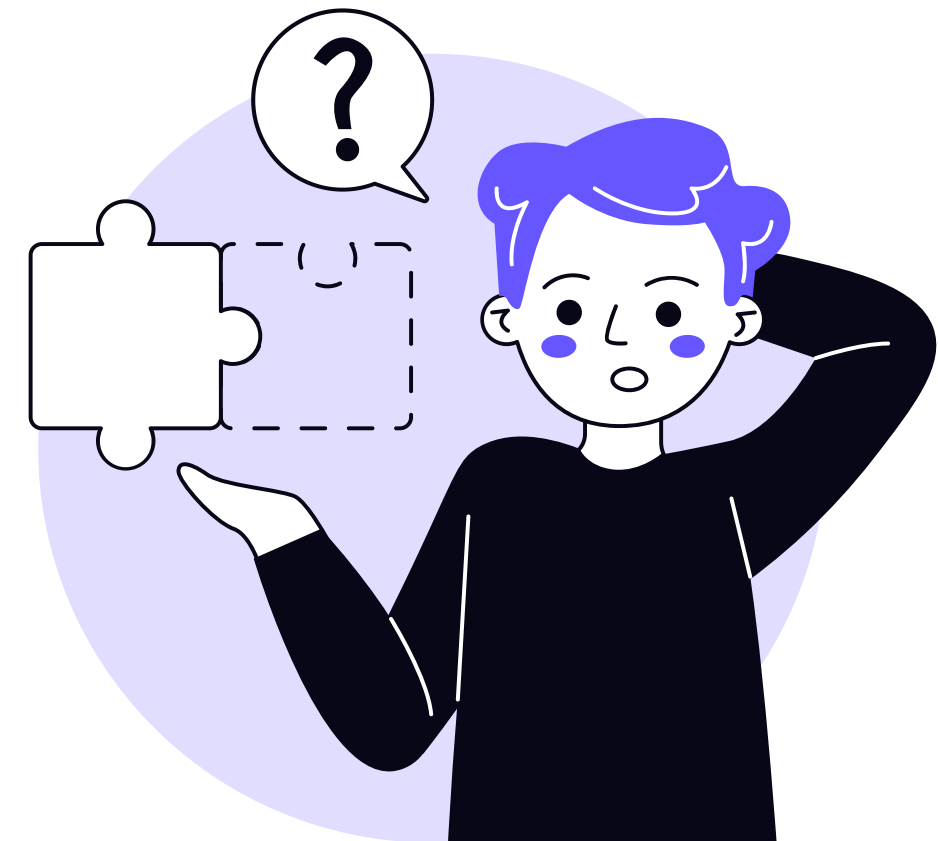
Scalabile



Maggiore affidabilità



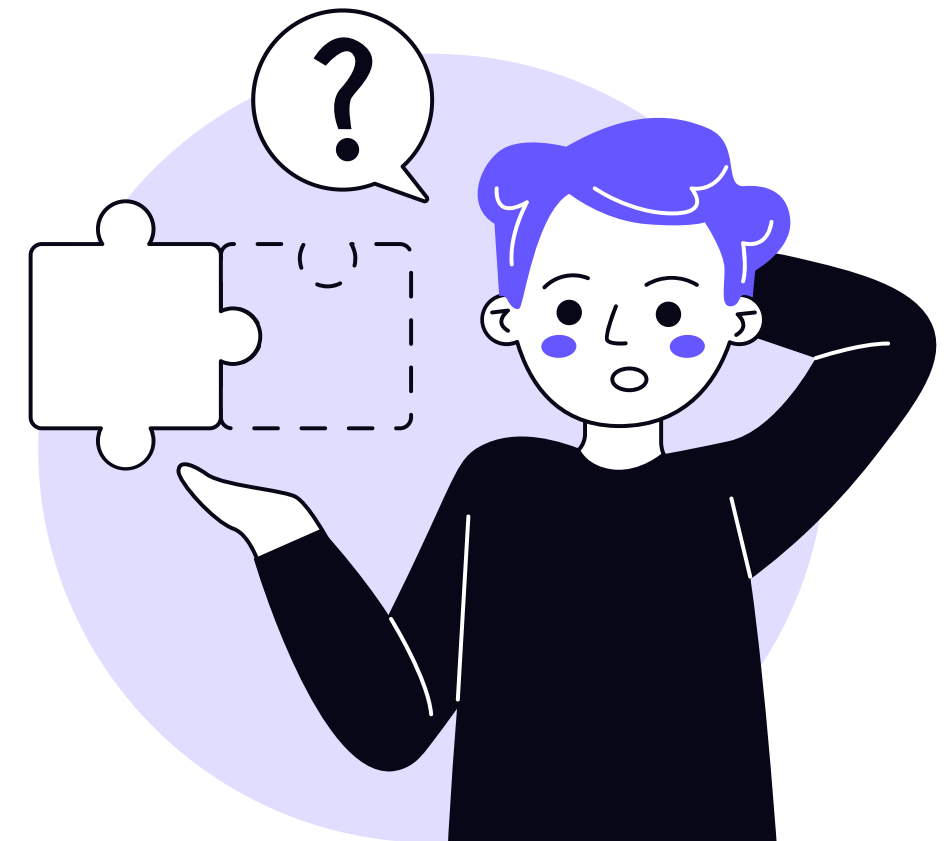
Agilità



Microservices



Complessità



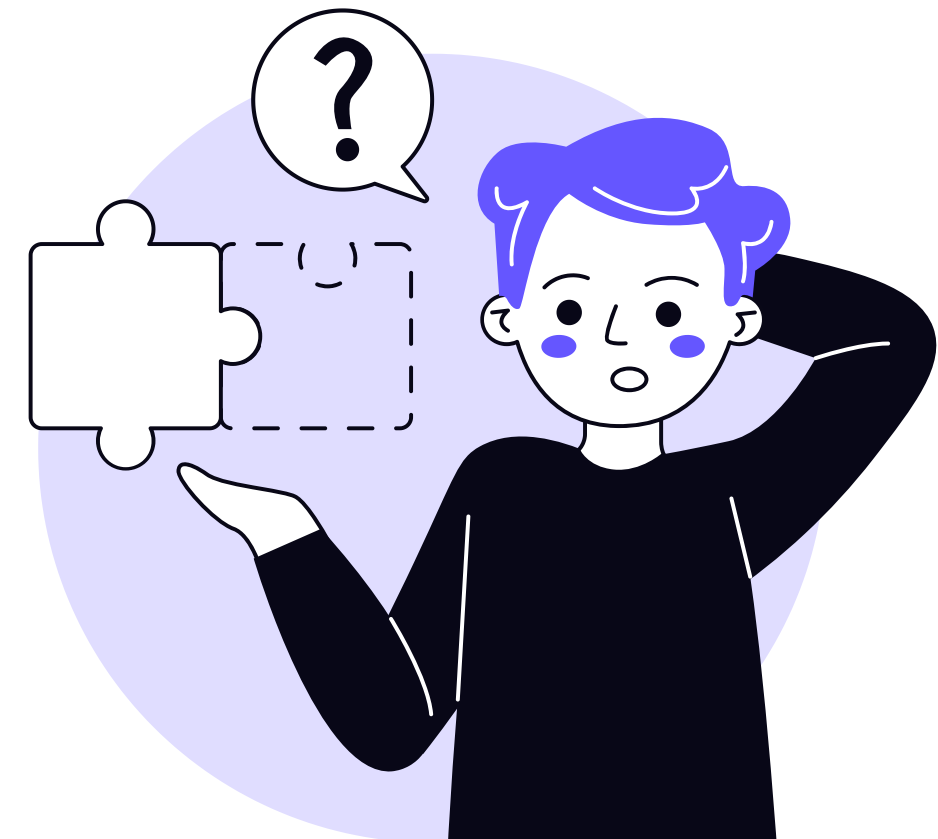
Microservices



Complessità



Costi

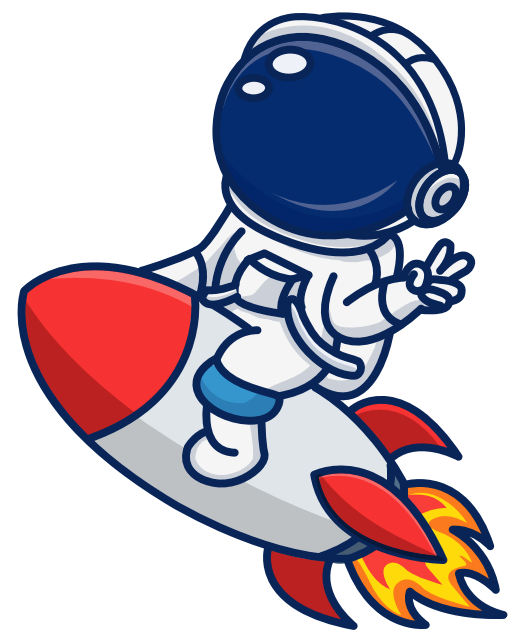




“

Se non parto subito a microservizi, poi
dovrò rifare tutto!

(Chiunque all'inizio di un progetto)

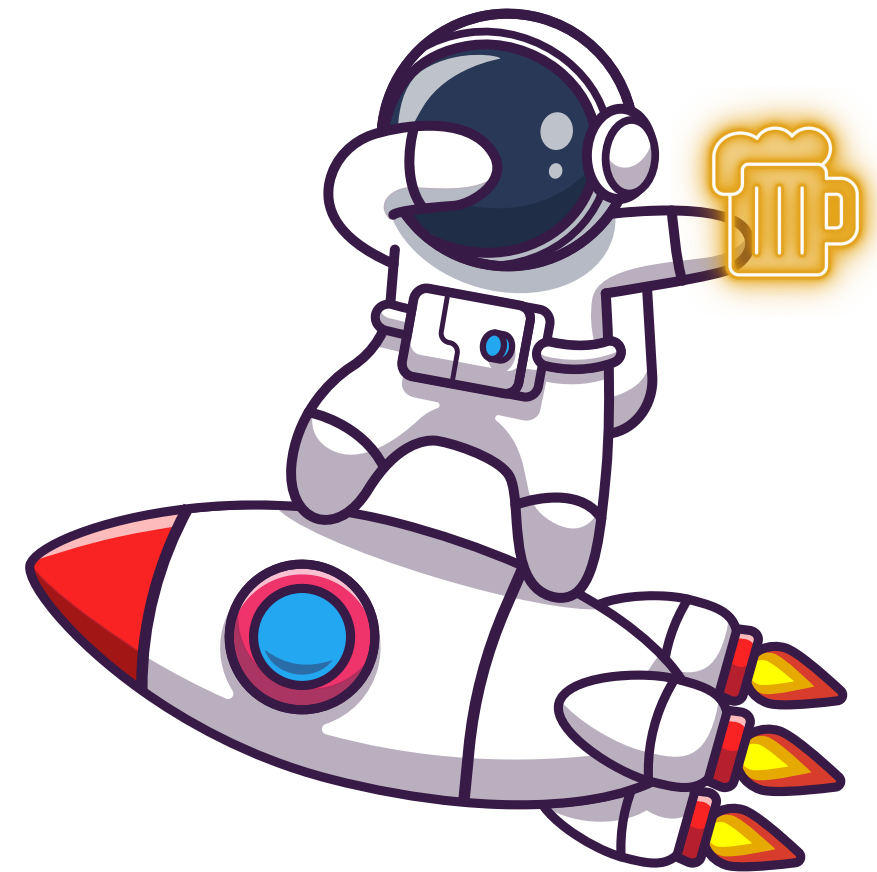


Quindi RocketSw che farà?



How to deploy on Azure

Monobirra vs Microbirra



BrewUp - Monolith



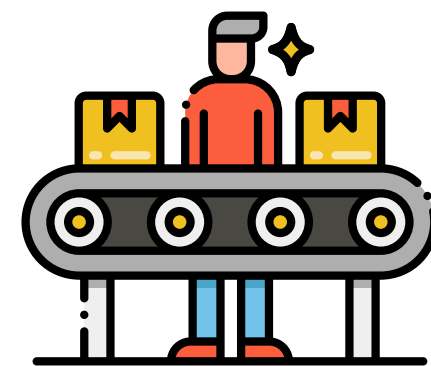
BrewUp - Monolith



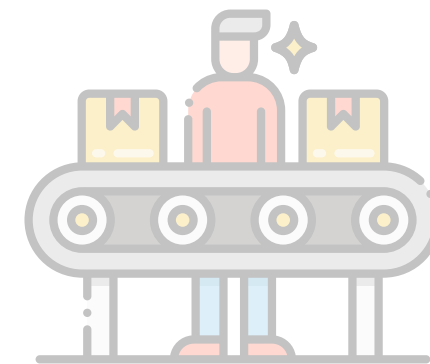
BrewUp - Monolith



BrewUp - Monolith



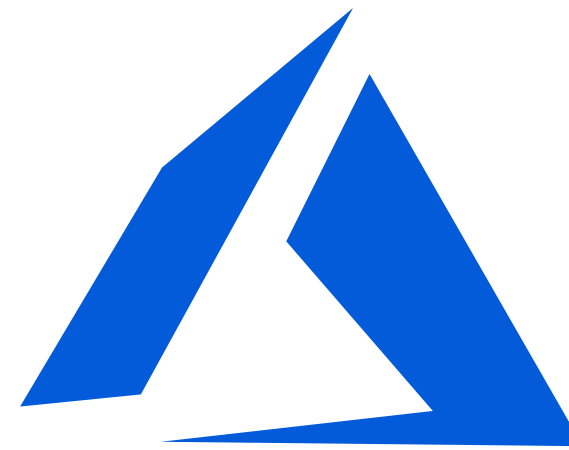
BrewUp - Monolith

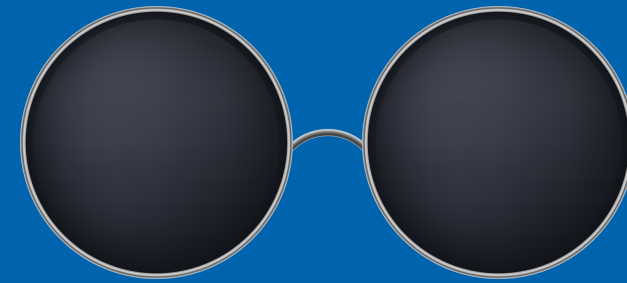


BrewUp - Monolith



Monolith on Azure

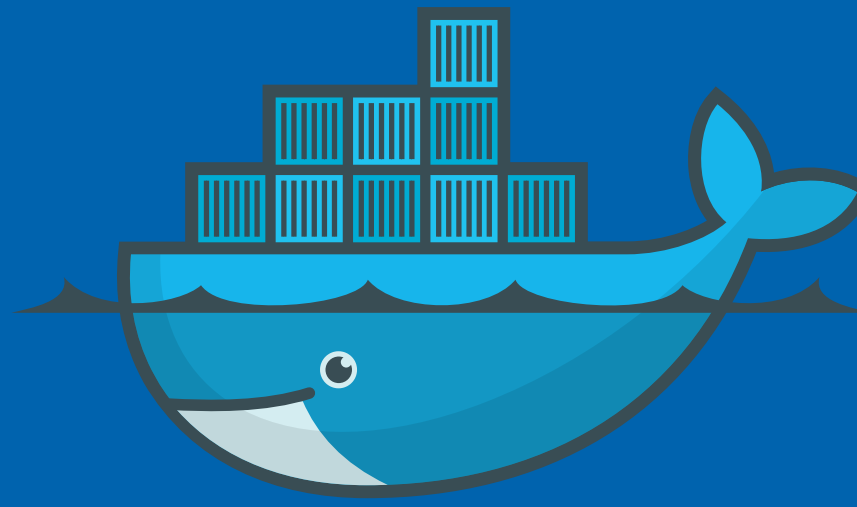




“

Love, Love, Love. All you need is love.
Love is all you need.

John Lennon

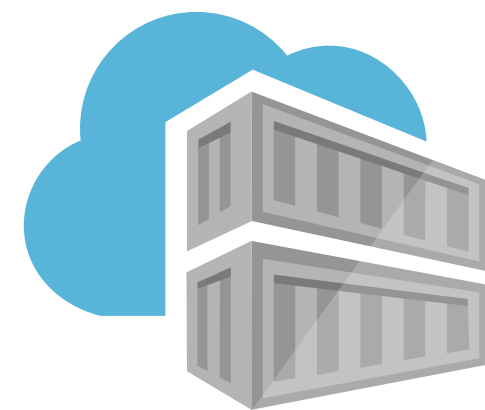
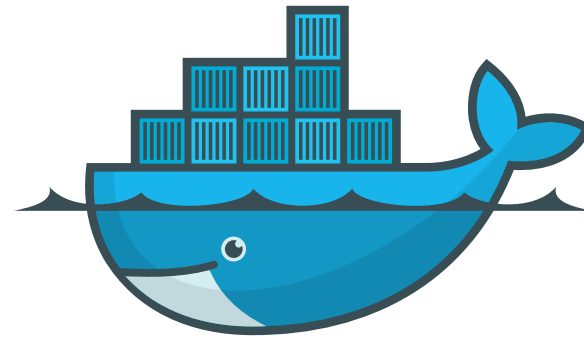


“

An image, an image. All you need is an image.
A docker image is all you need.

Average Azure DevOps Guy

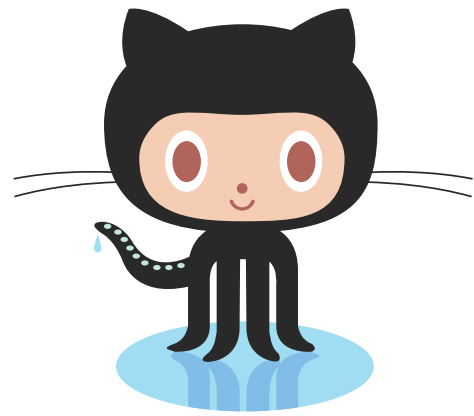
Monolith on Azure





DEMO

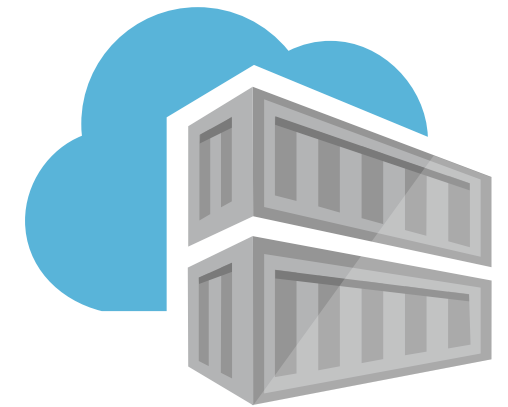
Monolith on Azure



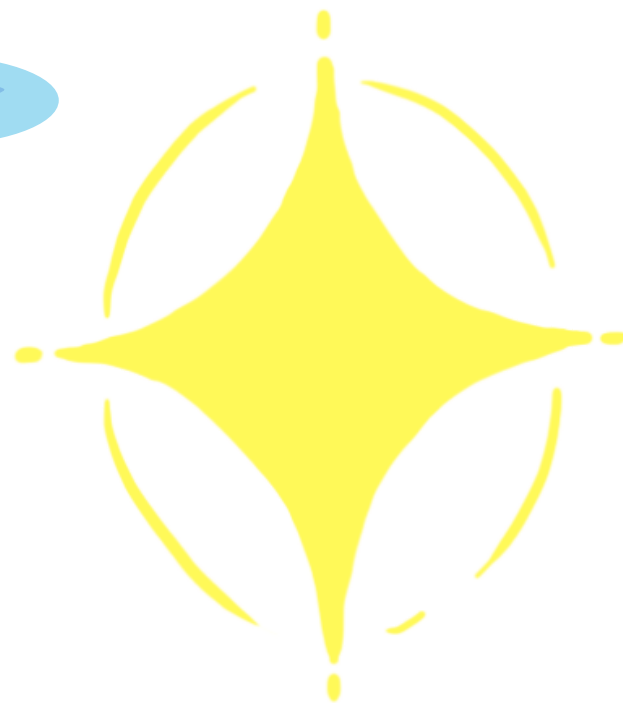
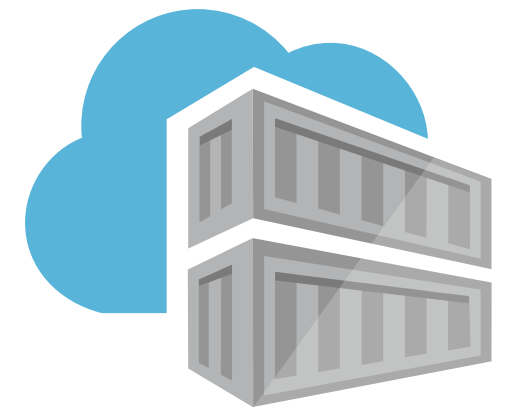
Monolith on Azure



Monolith on Azure



Monolith on Azure

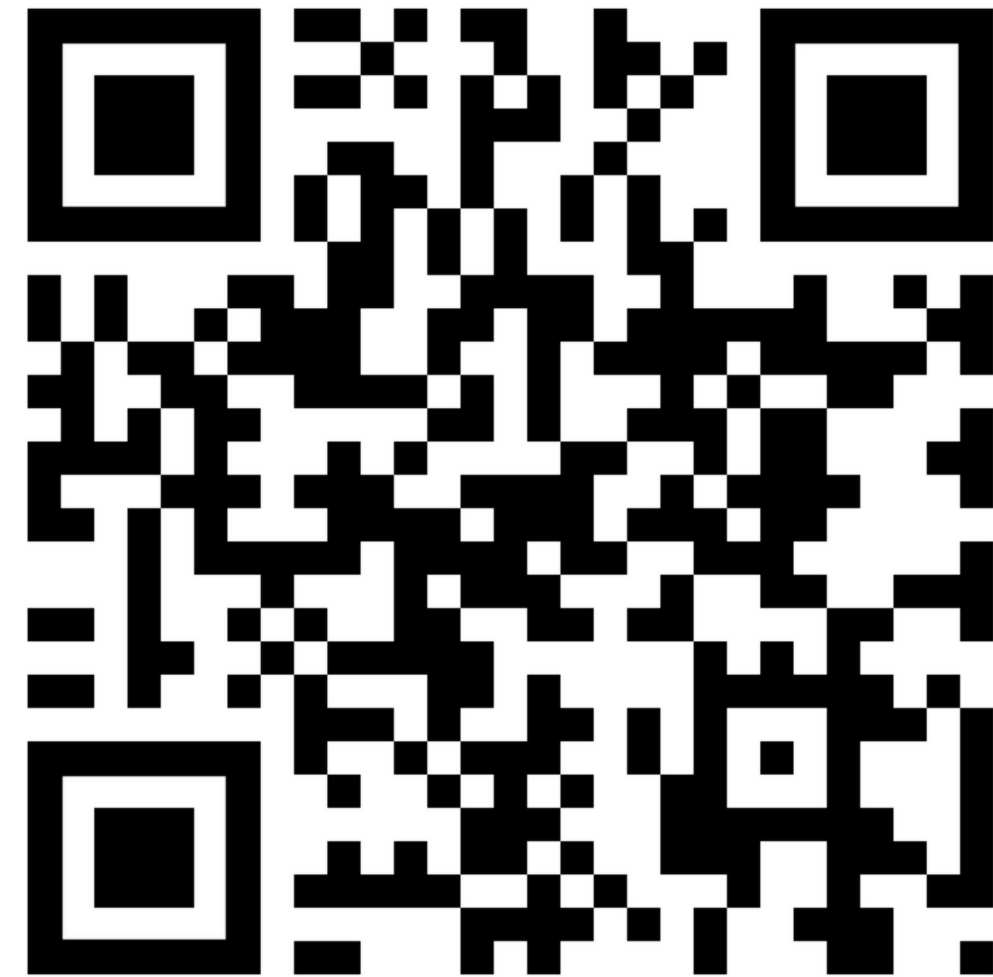




BrewUp - Microservices



Warehouse



Sales

BrewUp - Microservices



Warehouse

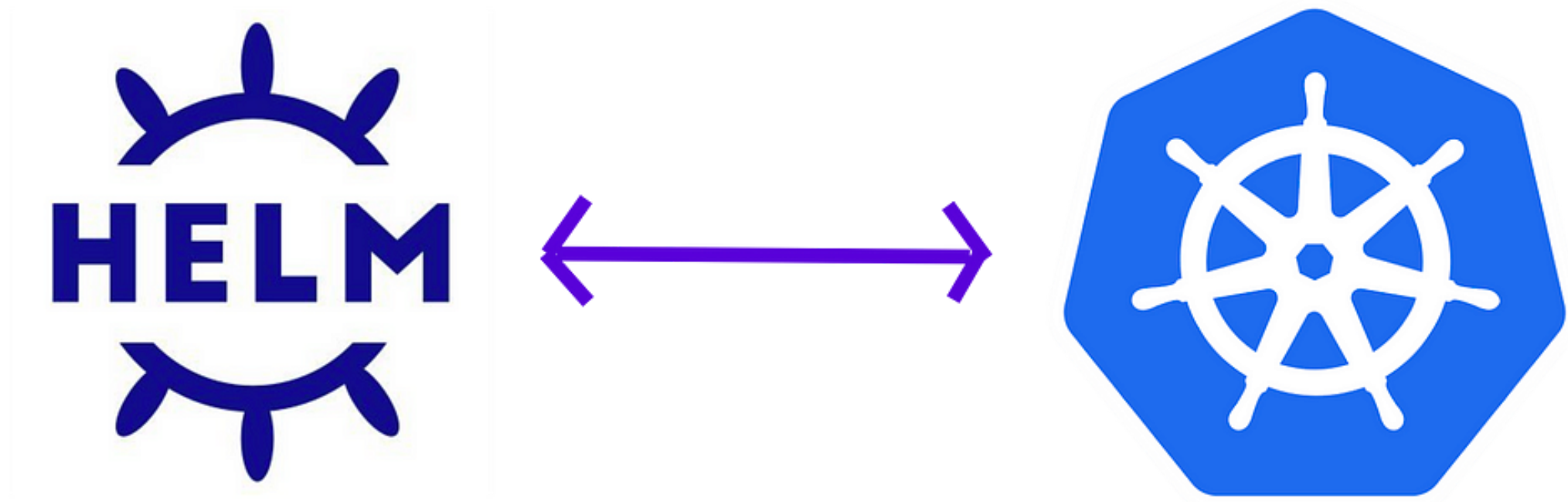


Sales



Helm Charts





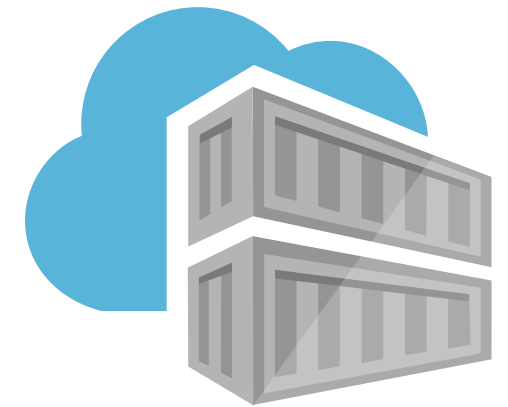
Microservices on Azure



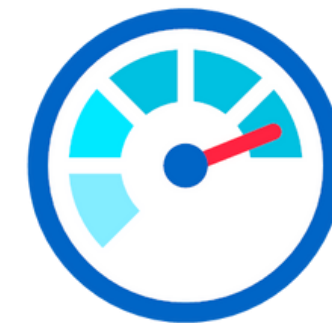
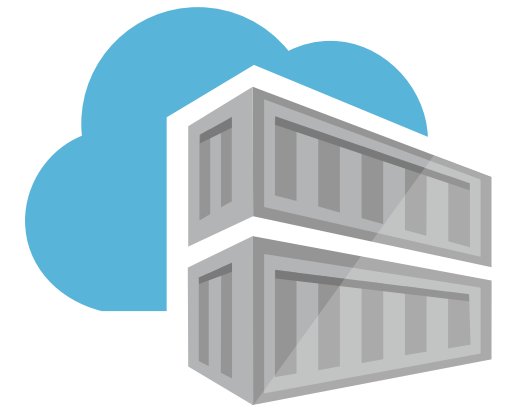
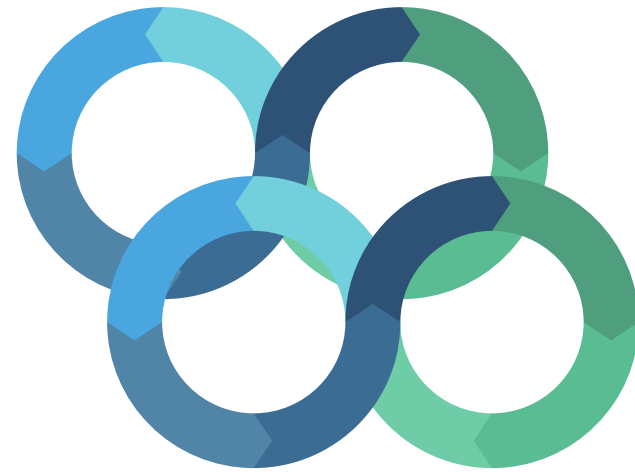
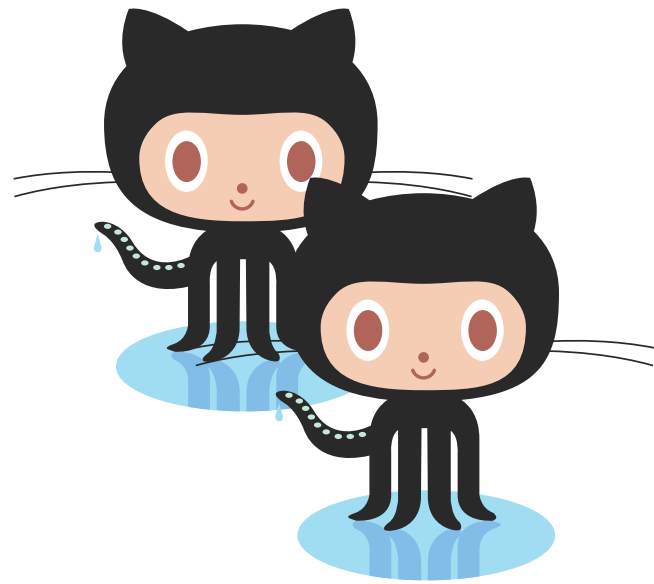


DEMO

Microservices



Microservices



Differenze di costo

Monobirra vs Microbirra



Monolith



Container App



Monolith



Container App



Registry



Microservizio



Aks per cluster



Microservizio



Aks per cluster



Registry



Microservizio



Aks per cluster



Load Balancer rules



Monitoring



Registry



Ingresses



Instances



Service bus



Microservizio



Aks per cluster



Load Balancer rules



Monitoring



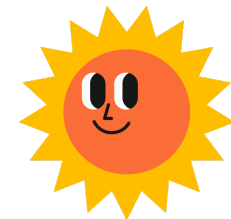
Registry



Ingresses



Il reparto DevOps



Instances



Service bus



Conclusioni



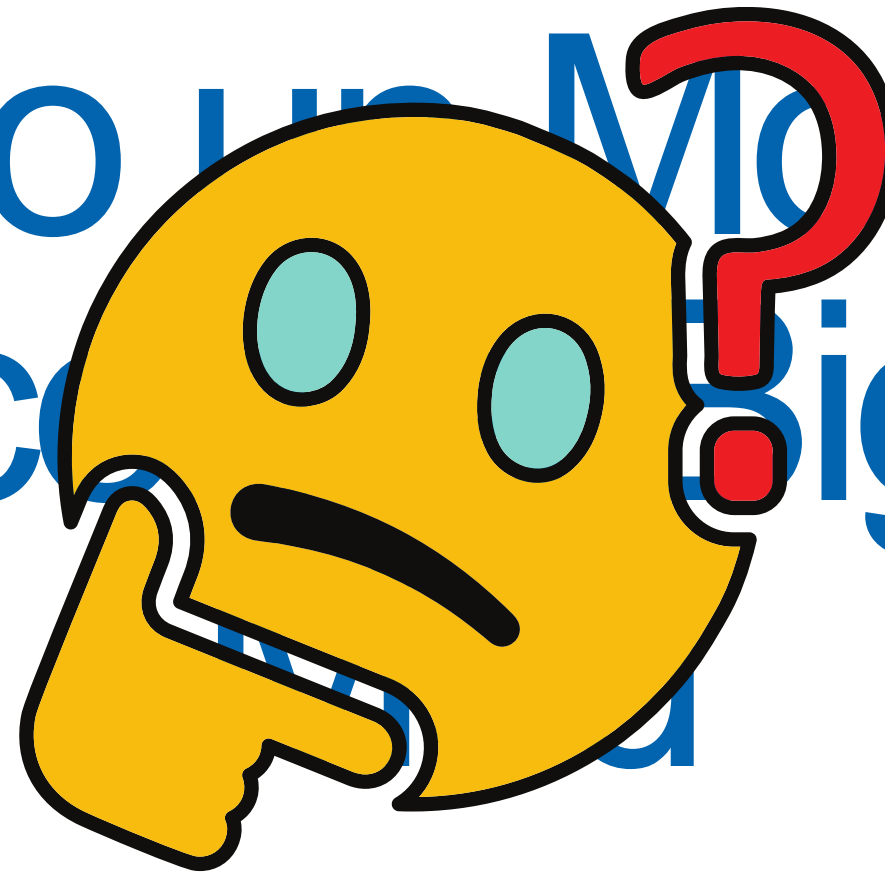


Facciamo solo Monoliti

~~Facciamo solo Monoliti~~

Se faccio un Monolite mi
ritrovo con la Big Ball of
Mud

Se faccio un Monolite mi
ritrovo con un Big Ball of



Si ma non mi piace
andare in controtendenza

Scaling to monitor all streams



Scaling up the Prime Video audio/video monitoring service and reducing costs by 90%

The move from a distributed microservices architecture to a monolith application helped achieve higher scale, resilience, and reduce costs.

a Prime Video Tech / Mar 22



“

“La qualità non è mai casuale; è sempre il risultato di uno sforzo intelligente”

John Rusky

Thanks for collaboration



Microsoft

Packt



 **KIRATECH**[®]
PLATFORM HEROES

 **elettrone**
intelligenza energetica

 **addvalue**
A DIFFERENT COMPANY

 **NET COM**
Networking Communication

 **DOCUTECH**
Technical Documentation Software

 **GPA**
Gestione Processi Aziendali

AZURE BOX



Christian De Simone

INTRE3



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