

Arquitectura Serverless

Azure Functions

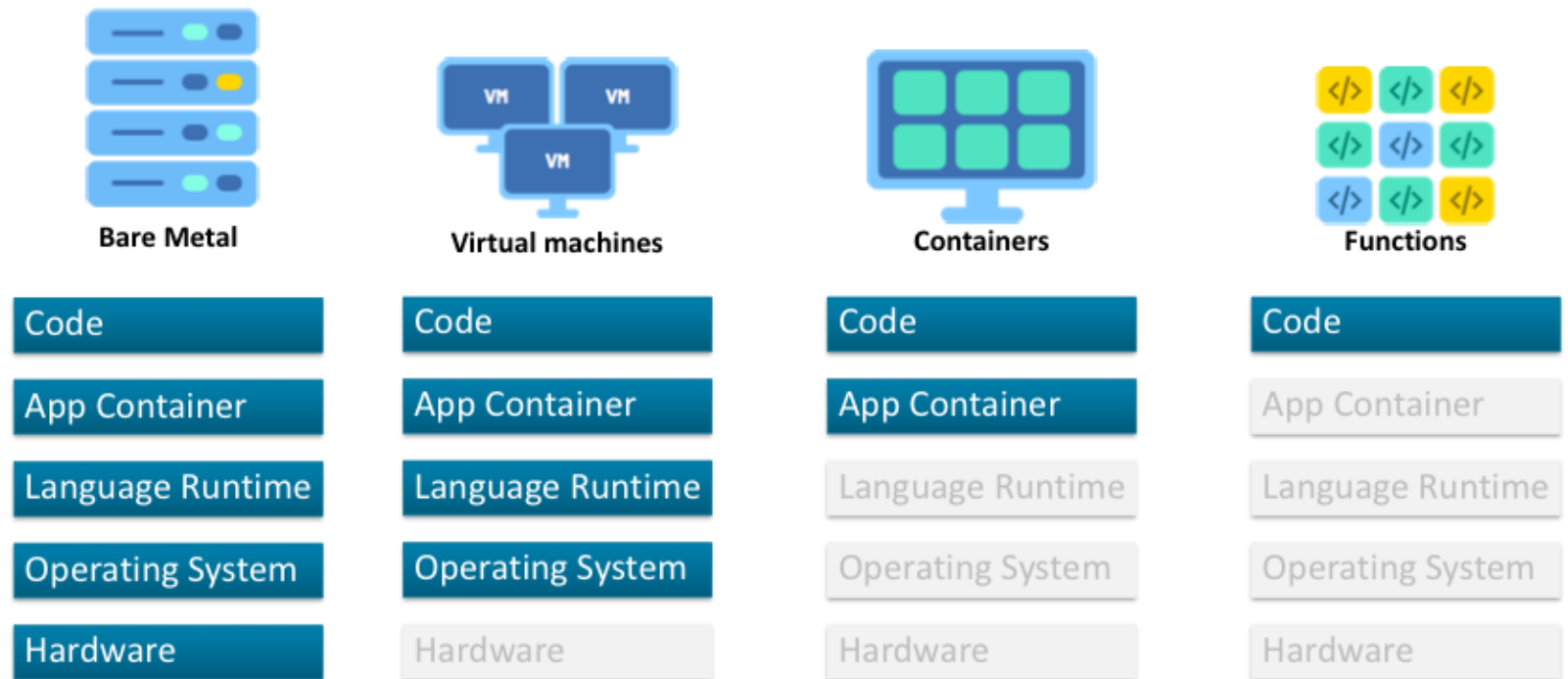
Serverless?

Functions as Service!



CommitStrip.com

Evolución



Azure Functions



Limitaciones

Azure Functions

Resource	Consumption	Premium	App Service
Scale out	Event driven	Event driven	Manual/Auto
Max instances	200	100	10-20
Default timeout duration (min)	5	30	30
Max timeout duration (min)	10	unbounded	unbounded
Max outbound connections (per instance)	600 active (1200 total)	unbounded	unbounded
Max request size (MB)	100	100	100
Max query string length	4096	4096	4096
Max request URL length	8192	8192	8192
Max memory (GB per instance)	1.5	3.5-14	1.75-14
Function apps per plan	100	100	unbounded

Consideraciones

- Cold Start
- Stateless
- Concurrency (Max instances by app/subscription/group)
- PERFORMANCE

Show me the code!

demo

Requisitos

- NodeJs (Azure Functions Core Tools)
 - <https://docs.microsoft.com/en-us/azure/azure-functions/functions-run-local?tabs=windows>
- Azurite
 - <https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azurite>
- Extensiones Azure Functions para VsCode
 - <https://marketplace.visualstudio.com/items?itemName=ms-azuretools.vscode-azurefunctions>

Otras Funciones

- Durable Functions
 - <https://docs.microsoft.com/en-us/azure/azure-functions/durable/durable-functions-overview?tabs=csharp>
- CosmosDb “serverless database”
 - <https://docs.microsoft.com/en-us/azure/cosmos-db/introduction>
- Logic Apps
 - <https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview>