



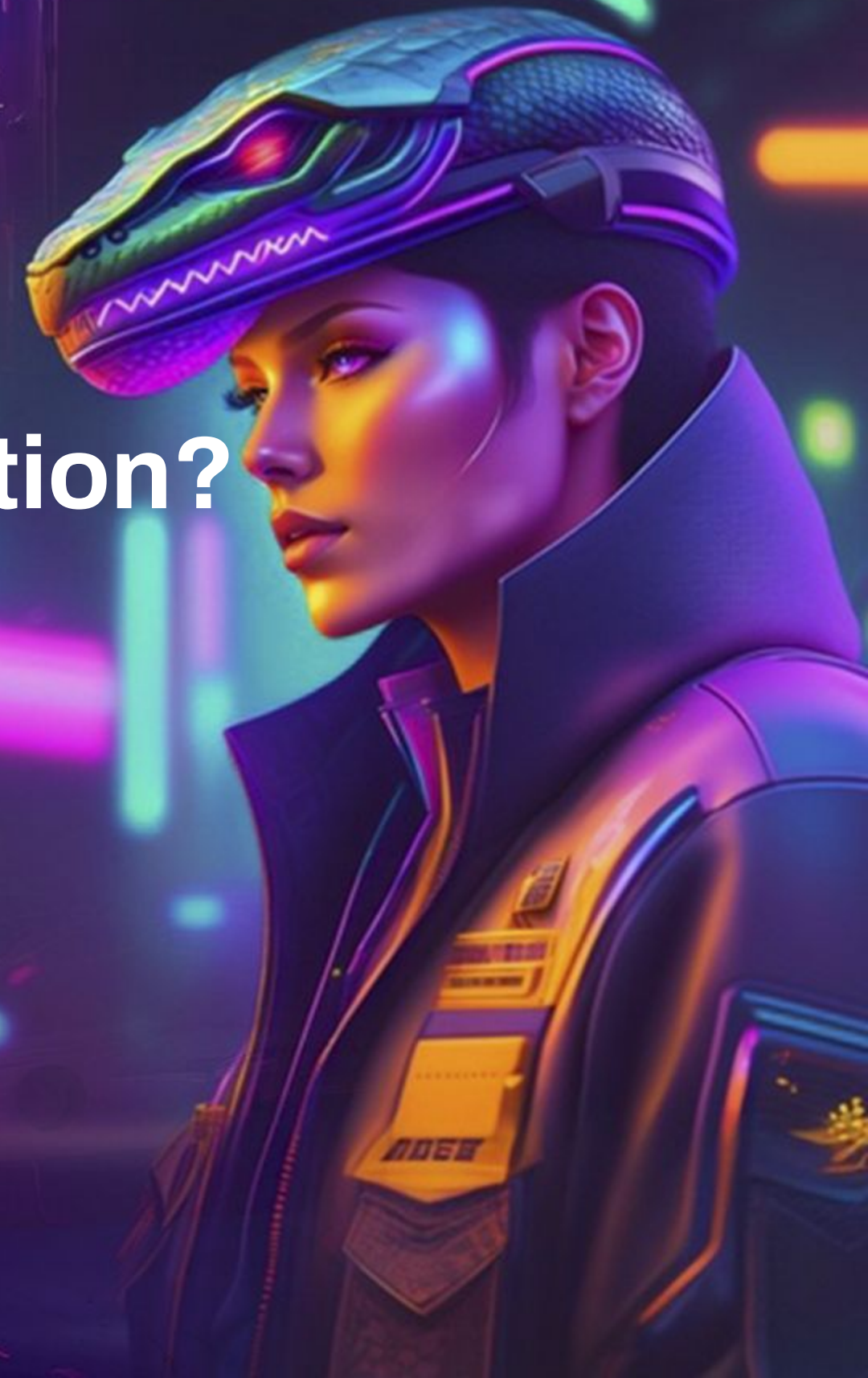
PYTHON GUI APPS CON 2023

How do I deliver my Python Application?

How to deploy a good solution in Python

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**How do I deliver
my Python
Application?**



Dion Mai

Aquasoft - Chief Technologist
Embarcadero MVP



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Agenda

- Architecture options
- Pros and cons, with small samples in each
architecture option

Architecture options

- Web Application
- Desktop
- Mobile
- API
- Multi-platform

Architecture options - Web Application



Pros

- Can run many interfaces
- Robust solution

Cons

- Requires many knowledges

Architecture options - Web Application

django

[Django](#)

- Robust
- MVC & ORM embedded
- Native Database support

Architecture options - Web Application



Flask

[Flask](#)

- Lightweight
- Minimalistic
- Flexible

Architecture options - Desktop



Pros

- Run fast
- Can be small

Cons

- Requires fiscal executables

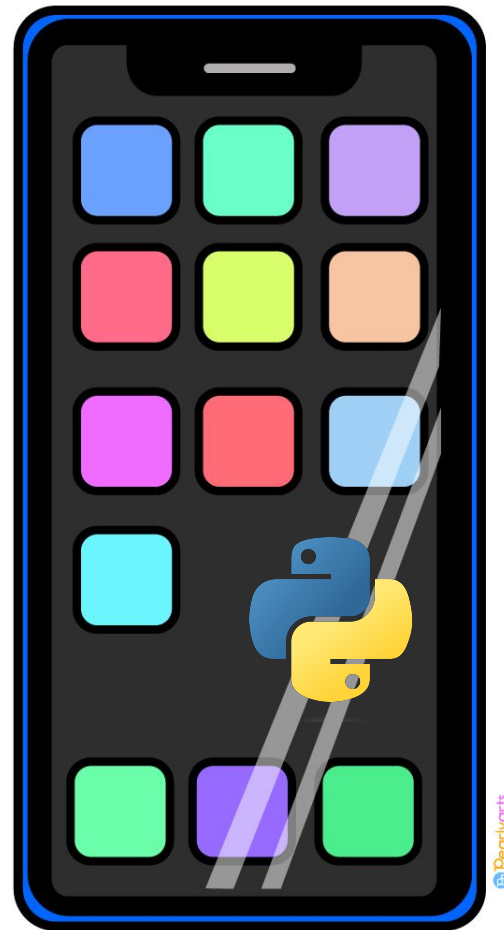
Architecture options - Desktop

Python into Delphi



- Largely used for Desktop
- Simple as it can be!
- RAD

Architecture options - Mobile



Pros

- Largely used
- Easy to growth

Cons

- Deals with different
 - platforms
 - configurations
 - screen sizes

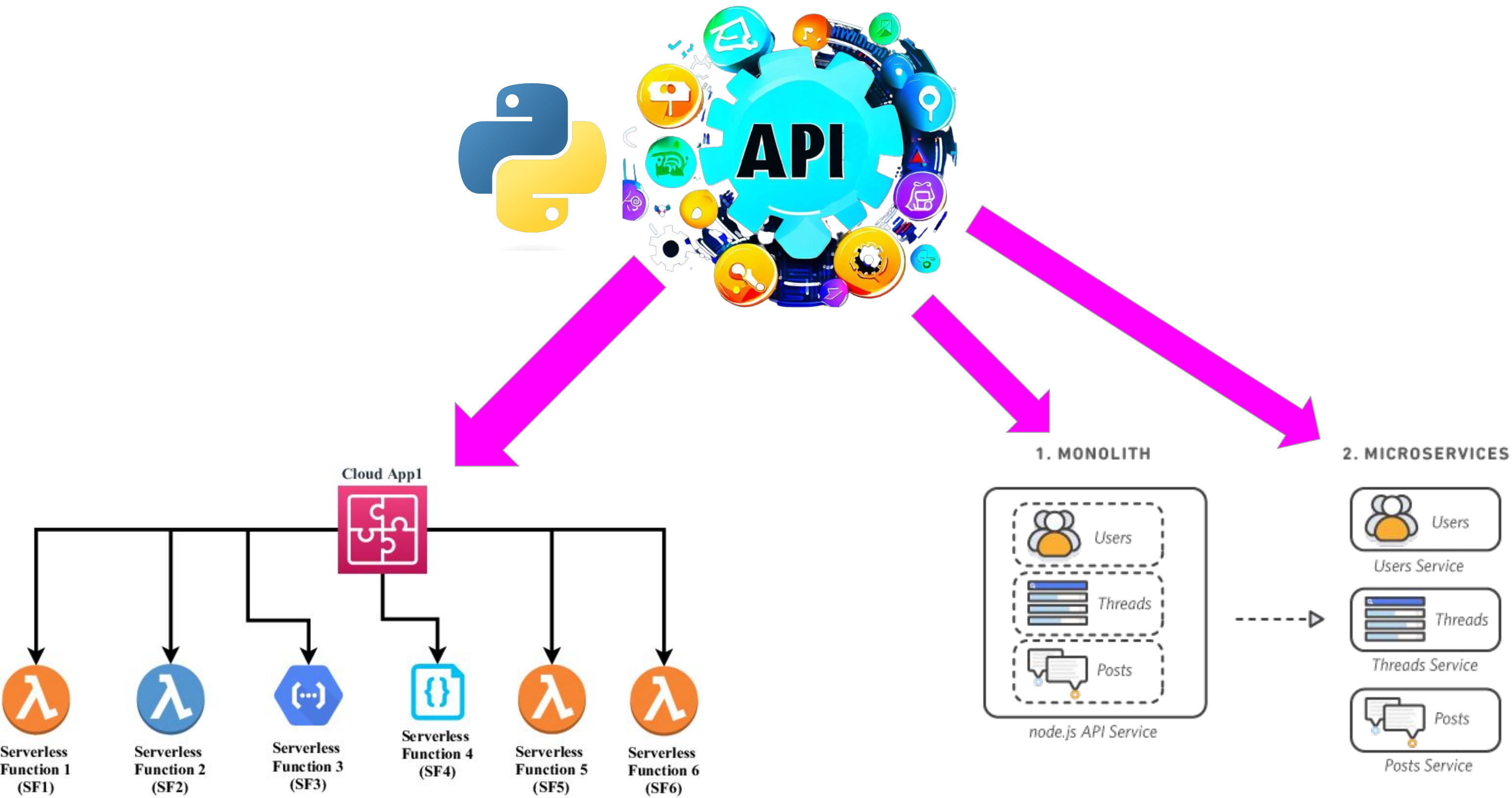
Architecture options - Mobile

Python into Delphi

- RAD
 - Android & iOS
- (Even the same code-base)



Architecture options - API



Architecture options - API - Serverless

Serverless



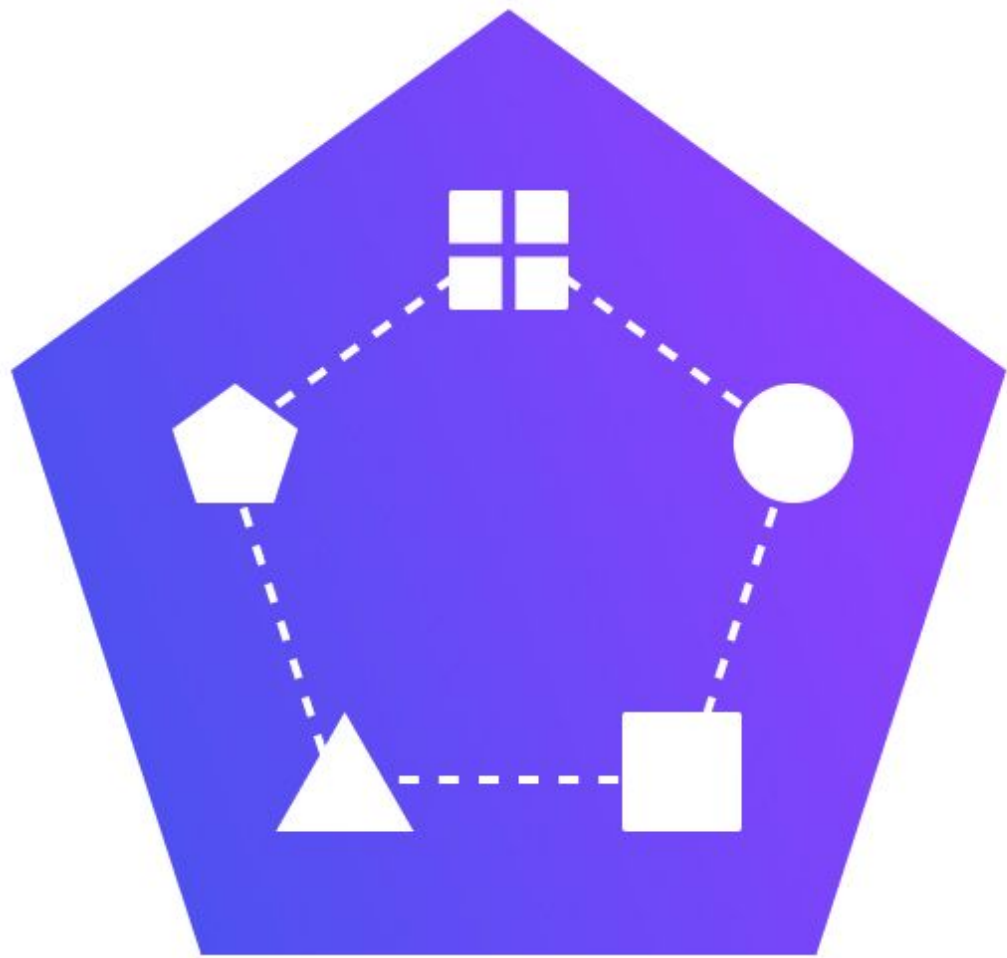
Architecture options - API

Building Lambda functions with Python

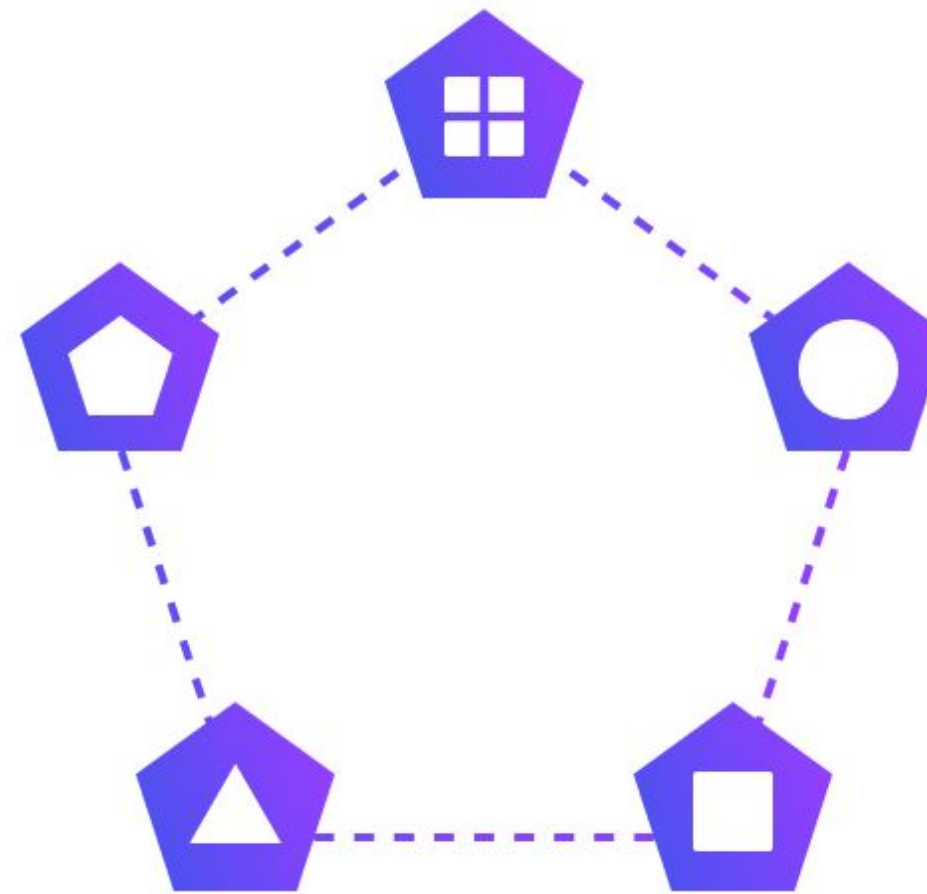


Architecture options - API - Monolith/Microservices

Monolith



Microservices



Architecture options - API



Architecture options - Multi-platform



Pros

- Easy to update

Cons

- Hard to maintain

Architecture options - Multi-platform



Code Samples!

Let's code!



Web Application - Sample

django

[Django](#)

[Writing your first Django app, part 1](#)

Web Application - Sample



Flask

[Flask](#)

[How To Install And Run FLASK App](#)

Desktop - Sample

[diondcm - PyGUI-2023](#)



Mobile - Sample

[diondcm - PyGUI-2023](#)



API - Sample

[First Steps - FastAPI](#)



API - Sample

[diondcm - PyGUI-2023](#)



API - Serverless - Sample

[Lambda function handler in Python](#)



Multi-platform - Sample

[diondcm - PyGUI-2023](#)



Conclusion

- Consider fast deploy as possible
- Automate tests
- Unify scripts, as best as you can
- Size and speed matters

ALL SAMPLES & LINKS USED

<https://github.com/diondcm/PyGUI-2023>



Contacts:



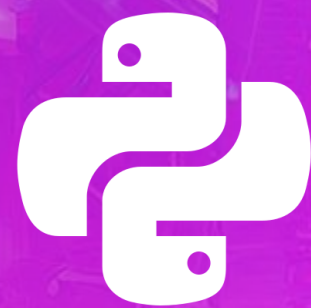
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