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Quickly Build Serverless Application With Azure Functions and .NET

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Pre-Request

- ✓ Azure cli
- ✓ Visual Studio Code & Azure Tools Extension
- ✓ Install Azure Functions Core Tools
- ✓ Azure [Free] Account
- ✓ .net core sdk (3.1.x+)

https://github.com/Asinta/ServerlessApp_NetconfChina2020

Building Serverless Application With Azure Functions

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What's in this workshop?

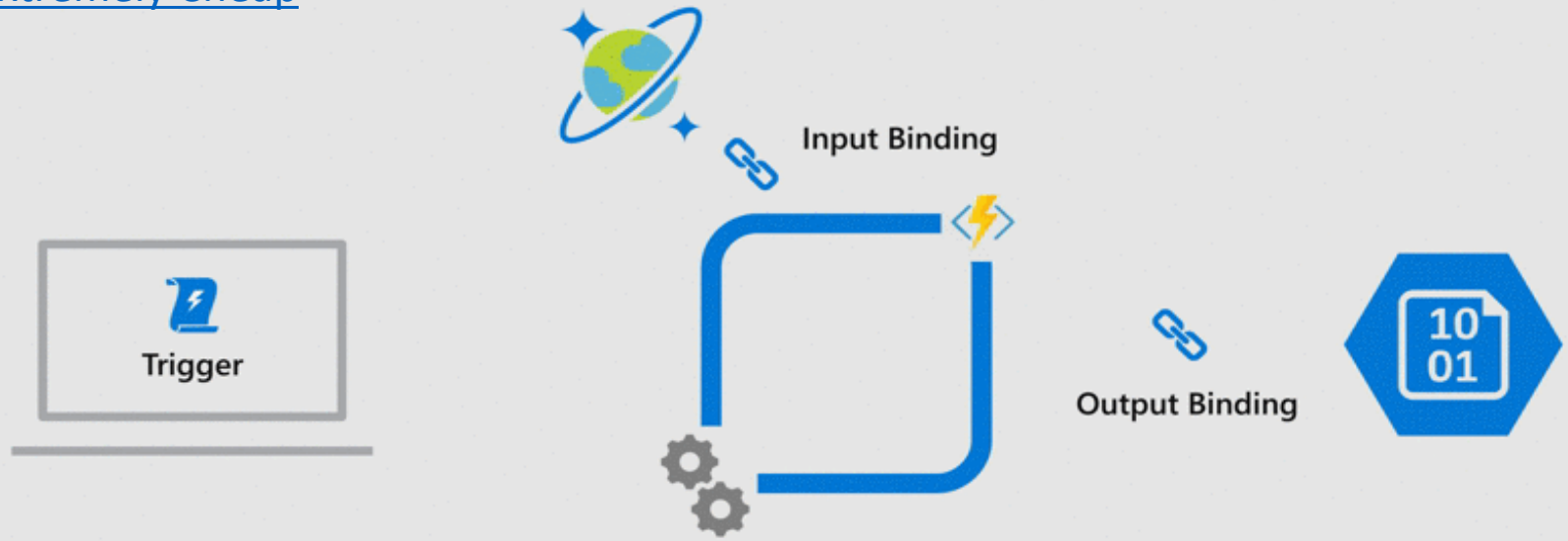
- ✓ Introduction to Azure Functions.
- ✓ Build a Azure Functions App to aggregate infos and notify you from scratch using .net core.

Through this workshop, you will…

- ✓ Know what Azure Functions is and what can it do.
- ✓ Be able to start your own Azure Functions App quickly.
- ✓ Explorer more possibilities with Azure Functions.

Building Serverless Application With Azure Functions

- Multiple Triggers / Input / Output Bindings (custom bindings enabled)
- Multiple Develop Languages
- Extremely Cheap



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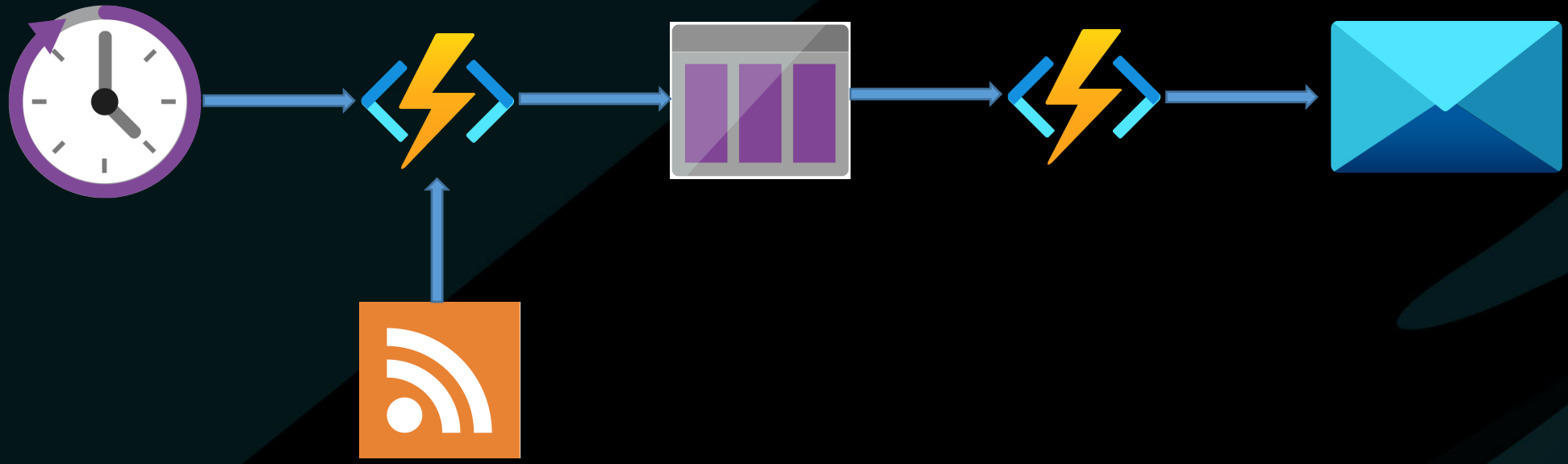
What are we going to build?



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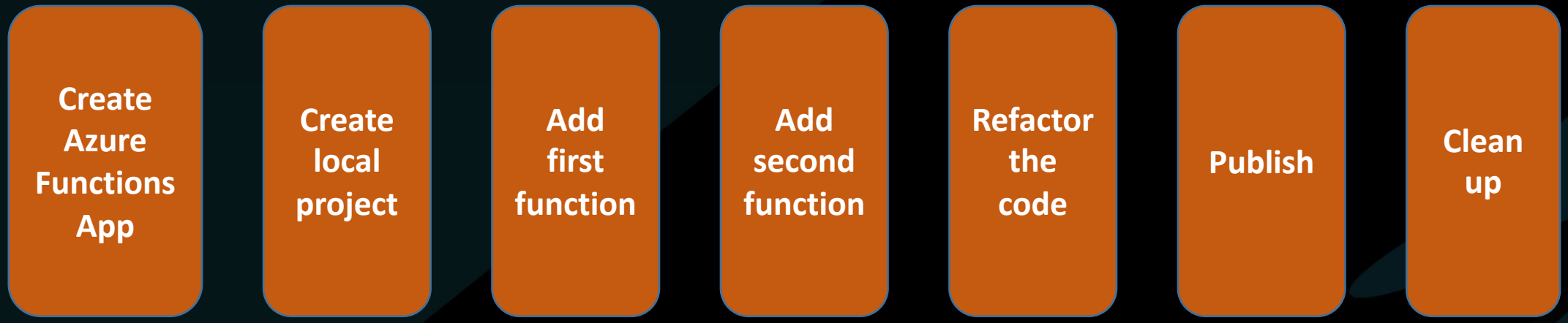
Roadmap



Create Azure Functions App

Create Azure Functions App

- ✓ Resource group
- ✓ Storage account
- ✓ Azure Functions App

Check it out on Azure Portal!

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Create local project

Create Azure Functions App

Create local project

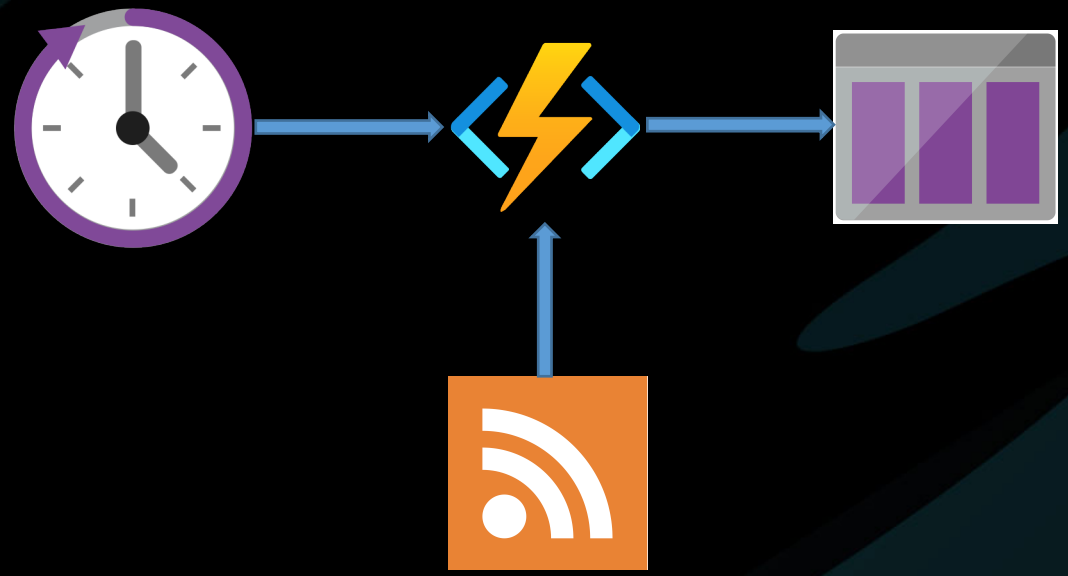
- ✓ init project
- ✓ new function
- ✓ config settings

Add first function

Create Azure Functions App

Create local project

Add first function



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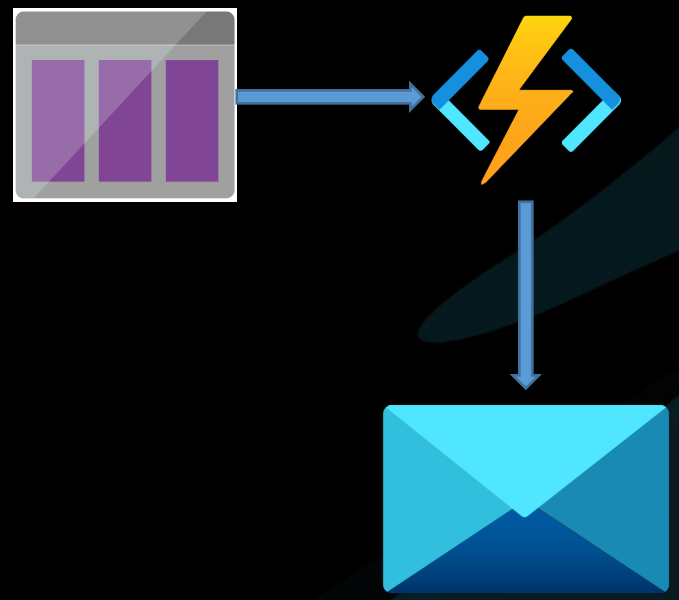
Add second function

Create Azure Functions App

Create local project

Add first function

Add second function



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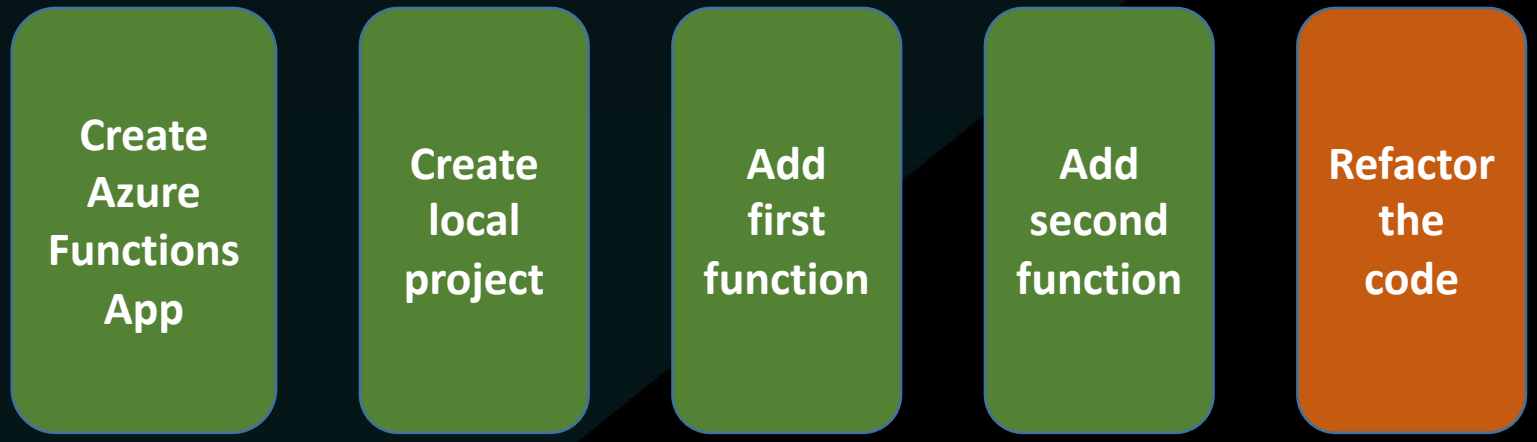
Refactor the code



- ✓ Separate settings from hard-coding
- ✓ Use KeyVault to store sensitive data

Check it out on Azure Portal!

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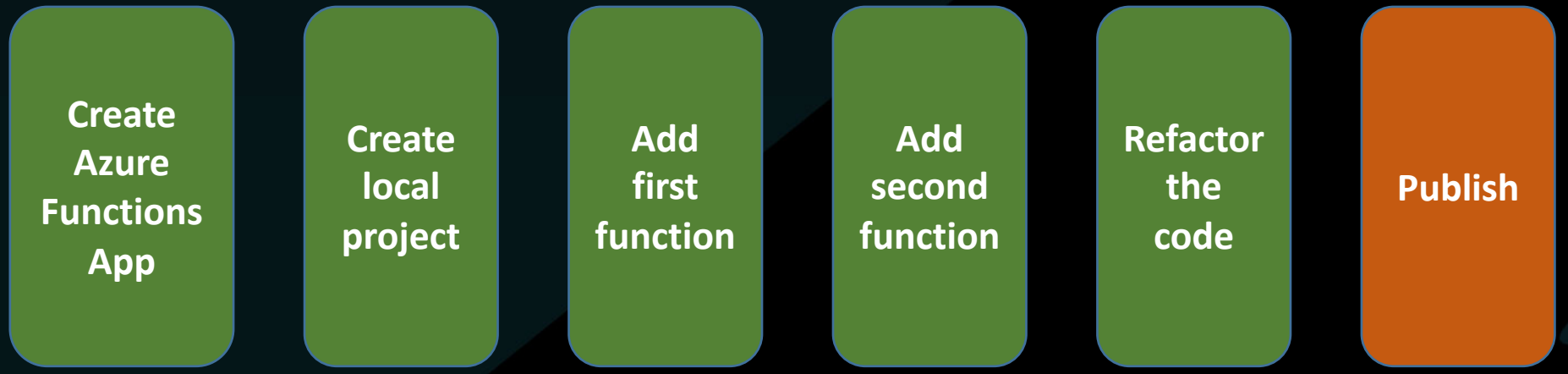
Publish



Showcase(~~fan che~~) Time!

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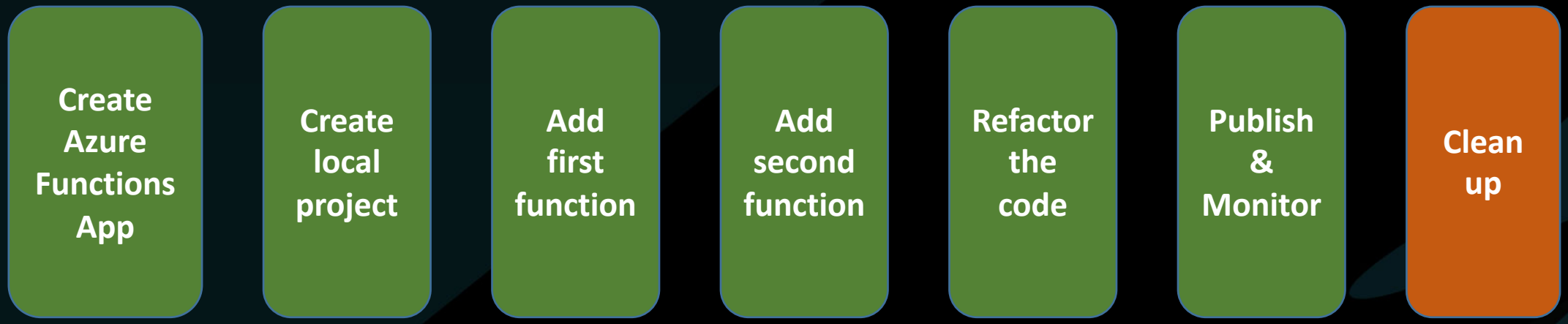
Clean up



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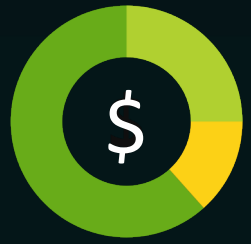
That’s complete our workshop!

- Create Azure Functions App
- Create local project
- Add first function
- Add second function
- Refactor the code
- Publish
- Clean up

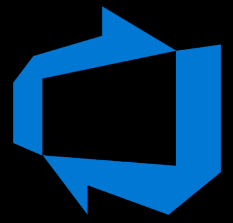
What's more about Azure Functions…

Application Insights



Cost Management

Security Control



Azure DevOps

EventGrid

API Management

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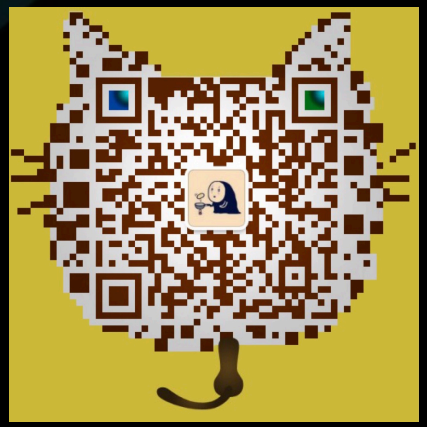
Thank You!