



From Diagram to Infrastructure as Code

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What is inside the tiffin today?

1. What is IaC ?
2. Why IaC is difficult to understand ?
3. How this problem can be solve ?
4. Diagram to IaC
5. How to start ?
6. Demo!
7. Reference





What is IaC ?

Infrastructure as code (IaC) means to manage your cloud or IT infrastructure using configuration files.

“INFRASTRUCTURE IS DIFFICULT. IT IS NOT EASY NOW, AND IT HAS NEVER BEEN EASY...THINKING THAT IAC IS EASY CAN LEAD TO THE MISCONCEPTION THAT IAC DOES NOT REQUIRE MAINTENANCE, OR CARE AND FEEDING.”

Ben Stokes



Why IaC is difficult to understand ?

- When you have more service
- Writing long lines of code becomes tedious.
- difficult to visualise early
- Connector between service become tough



How this problem can be solve ?

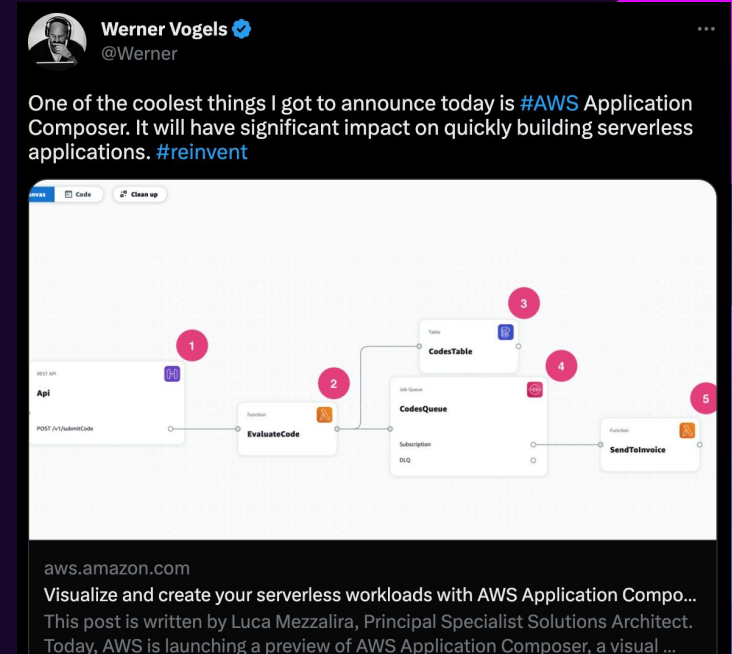
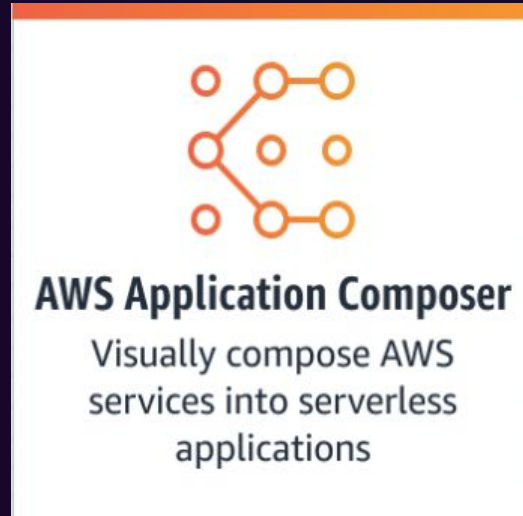
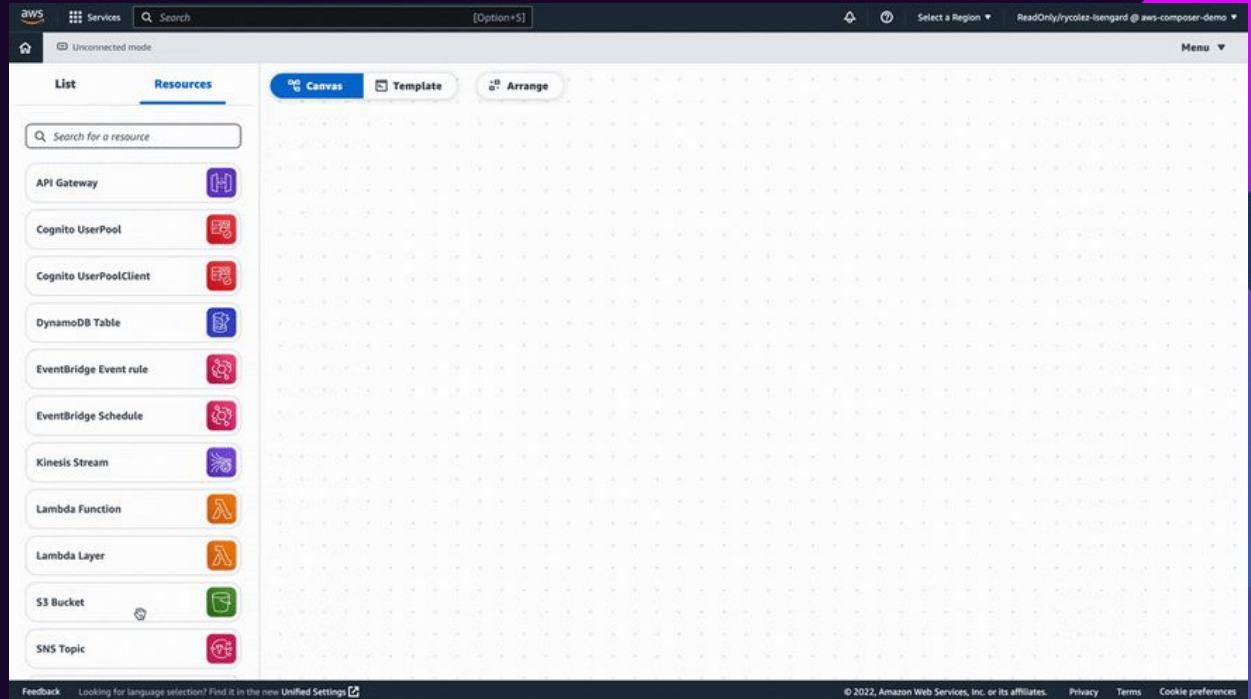




Diagram to IaC





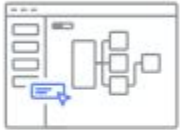
Best way to do this?

- Can use the demo project to start
- Can use a blank template to use
- if you have any CloudFormation ready can import and see a visualisation



How it works ?

Visually define, organize, and connect AWS resources. You can seamlessly transition between the console and your local IDE to make edits. Use any CloudFormation compatible tool, such as the AWS SAM CLI, to deploy, test, and iterate on your application.



Build your template

Create or edit your template using the visual or code view editors.



Edit code

With a local file system connection, you can make changes simultaneously in Composer or within your IDE.



Test your template

Use SAM Accelerate to test your template in the cloud, while building with Composer.

[Learn more.](#)



Deploy to an environment

Once you're ready to deploy, take your saved project to your version control system or pipeline.



Demo





Reference

- <https://aws.amazon.com/blogs/compute/visualize-and-create-your-serverless-workloads-with-aws-application-composer/>
- <https://docs.aws.amazon.com/application-composer/latest/dg/reference-navigation.html>
- <https://www.youtube.com/watch?v=L4kUiVSPOPY&t=36s>
- <https://dev.to/aws-builders/overview-of-aws-application-composer-3j34>



Thank you !!

You can connect with me
here

