

Google이 만들어준 클라우드 **MAUI** 개발!

2025.7.24 DOT4 박성원



naratteu

17 followers · 14 following

vascoict

Seoul <-> Incheon

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<https://forum.dotnetdev.kr/u/naratteu>

발표자 소개

github.com/naratteu

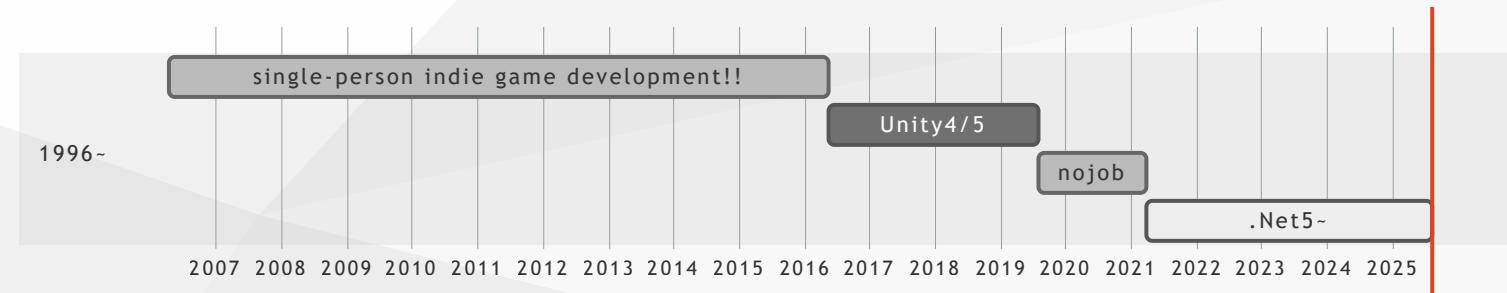
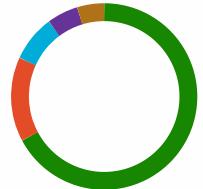
naratteu's GitHub Stats

- ★ Total Stars Earned: 16
- ⌚ Total Commits (2025): 107
- 🍴 Total PRs: 23
- ❗ Total Issues: 29
- 💻 Contributed to (last year): 19



Most Used Languages

- C# 67.17%
- HTML 14.64%
- Go 8.05%
- CSS 5.44%
- Java 4.69%



.Net/Blazor/MinimalAPI/Aspire/CLI/OSS ❤️

.NetFramework/Reflection 💀

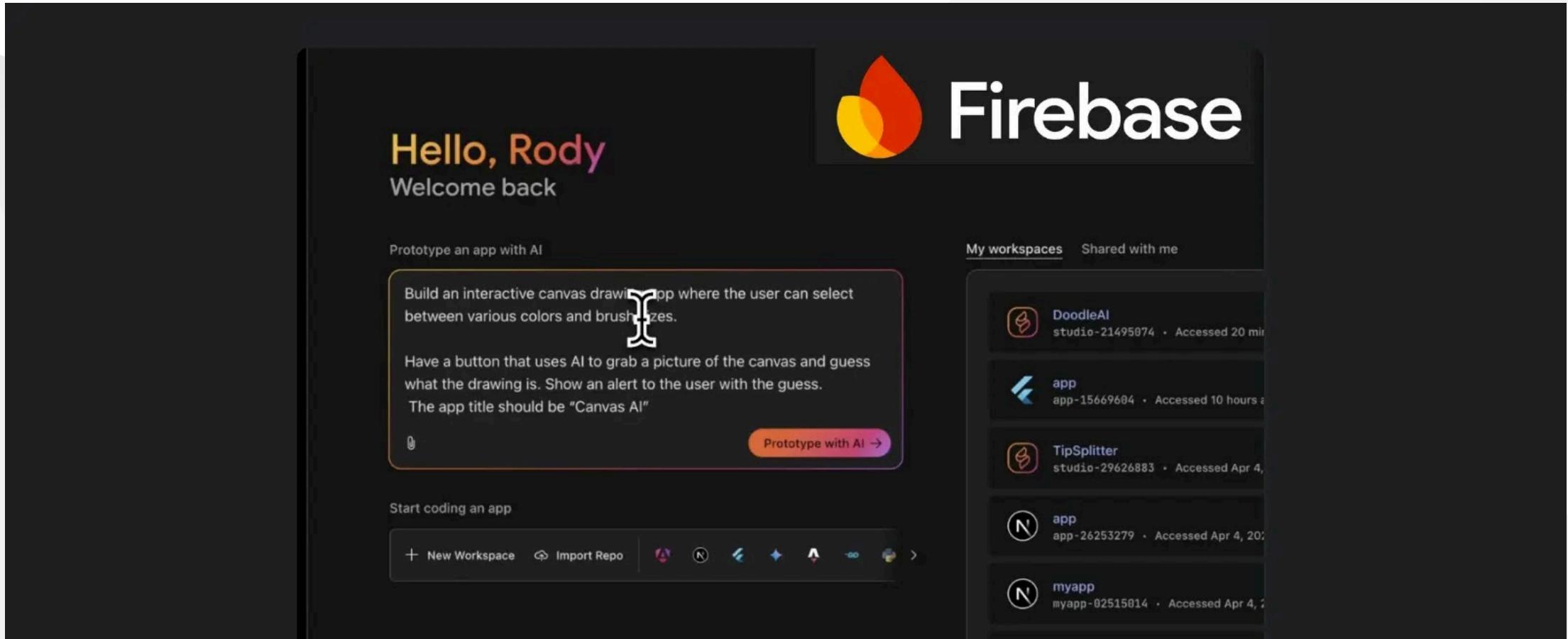
XAML/MVVM 🤔

목차

- 발표자 소개
- Google Firebase Studio 구경하기
- 여기에 MAUI 개발환경 만들기!
- TMI
 - 클라우드 개발환경에 대한 열망
 - .md vs .devcontainer vs .nix
 - etc...

일단 Firebase Studio🔥 구경하기

<https://firebase.studio> & [flutter](#) & [blazor](#)



이제 이걸 MAUI 에 써먹어보자

A screenshot of a Reddit post from the [.NET MAUI](#) subreddit. The post is titled "Can we get .NET MAUI on Google IDX?". It has 3 upvotes, no comments, and a link copied. The post was posted by XalAtoh.

dotnetMAUI + Join
Posted by XalAtoh .

Can we get .NET MAUI on Google IDX?

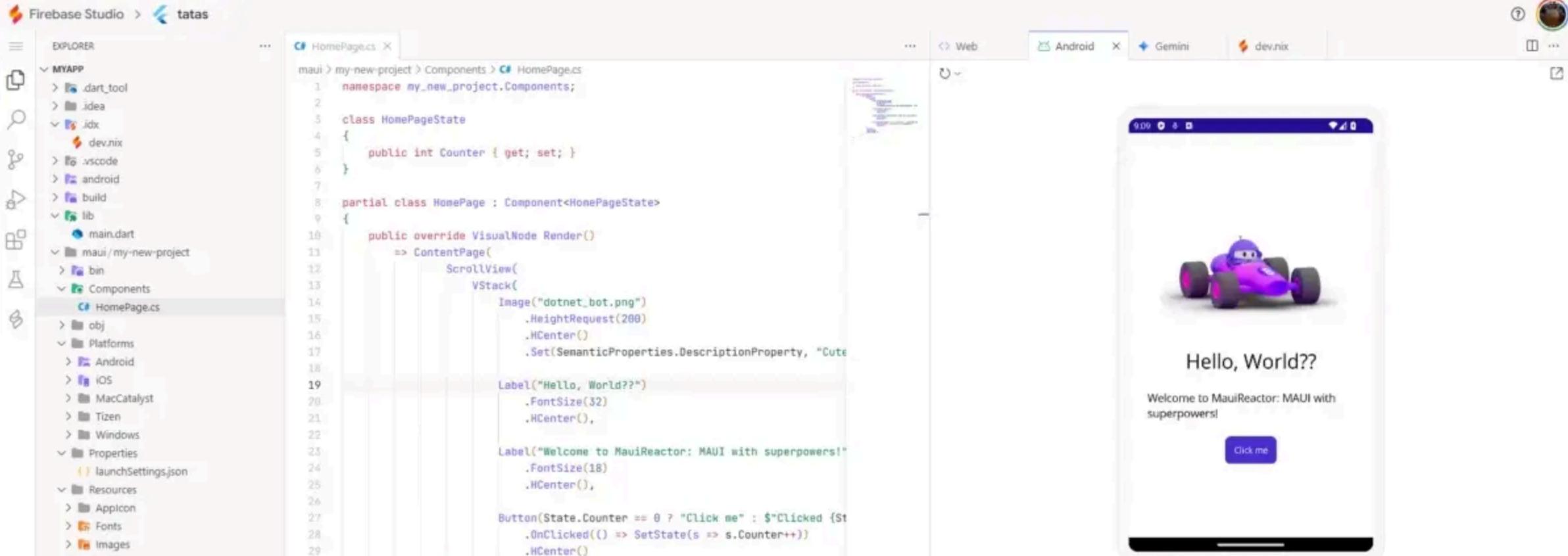
3 upvotes Comment Copy link

[View 2 comments](#)

<https://github.com/naratteu/maui-on-idx> | #

firebase studio

& maui-reactor by @honeyhead



The screenshot shows the Firebase Studio interface with a project named "tatas". The left sidebar displays the project structure, including files like .dart_tool, .idea, .idx, dev.nix, .vscode, android, build, lib/main.dart, maui/my-new-project/bin, Components/HomePage.cs, obj, Platforms/Android, iOS, MacCatalyst, Tizen, Windows, Properties/launchSettings.json, Resources/AppIcon, Fonts, Images, Raw, Splash, Styles, GlobalUsings.cs, MauiProgram.cs, and my-new-project.csproj. The main editor window shows the code for HomePage.cs:

```
namespace my_new_project.Components;  
  
class HomePageState  
{  
    public int Counter { get; set; }  
}  
  
partial class HomePage : Component<HomePageState>  
{  
    public override VisualNode Render()  
        => ContentPage(  
            ScrollView(  
                VStack(  
                    Image("dotnet_bot.png")  
                        .HeightRequest(200)  
                        .HCenter()  
                        .Set(SemanticProperties.DescriptionProperty, "Cute")  
                    Label("Hello, World??")  
                        .FontSize(32)  
                        .HCenter(),  
                    Label("Welcome to MauiReactor: MAUI with superpowers!")  
                        .FontSize(18)  
                        .HCenter(),  
                    Button(State.Counter == 0 ? "Click me" : $"Clicked {State.Counter}")  
                        .OnClicked(() => setState(s => s.Counter++))  
                        .HCenter()  
                )  
            )  
        );  
}
```

The right side of the interface shows a preview of the mobile application. It features a purple race car icon and the text "Hello, World??". Below the preview, a message says "Welcome to MauiReactor: MAUI with superpowers!". A blue button labeled "Click me" is also visible. At the bottom, there's a terminal window showing command-line output:

```
tatas-56317361:~/myapp/maui/my-new-project$ dotnet-maui-reactor -f net9.0-android  
at MauiReactor.HotReloadConsole.HotReloadClient.SendAssemblyFileToServer(MemoryStream stream, MemoryStream pdbStream, CancellationToken cancellationToken) in D:\a\reactorui-maui\reactorui-maui\src\MauiReactor\HotReloadConsole\HotReloadClient.cs:line 343  
at MauiReactor.HotReloadConsole.HotReloadClient.ConnectionLoop(CancellationToken cancellationToken) in D:\a\reactorui-maui\reactorui-maui\src\MauiReactor\HotReloadConsole\HotReloadClient.cs:line 154  
Detected changes to 'Components/HomePage.cs'  
Detected changes to 'Components/HomePage.cs'  
Detected changes to 'Components/HomePage.cs'
```

The terminal also lists two open tabs: "dotnet-maui-reactor my-new-project" and "bash my-new-project".

클라우드 개발환경에 대한 열망 *~aspire~*



- 어디에서나?
- 어떤 장비로도?
- 누구에게나! 일관성있는 개발환경이 필요하다
- Web개발 뿐만 아니라 Desktop/App 개발에서도!!

HOW-TO-BUILD.md

이거 빌드 어떻게 해요?

```
## 개발환경 구성  
  
sudo apt update  
sudo apt install ...  
  
git clone https://...  
  
...  
  
## 빌드 및 실행  
...
```

- 시간이 오래 걸림
- 기술적허영심을 뽐내는 것 같음
- 지루하고 현학적임
- 빌드 실패 가능성 100%
- 의존성 꼬이면 내 세상이 무너짐



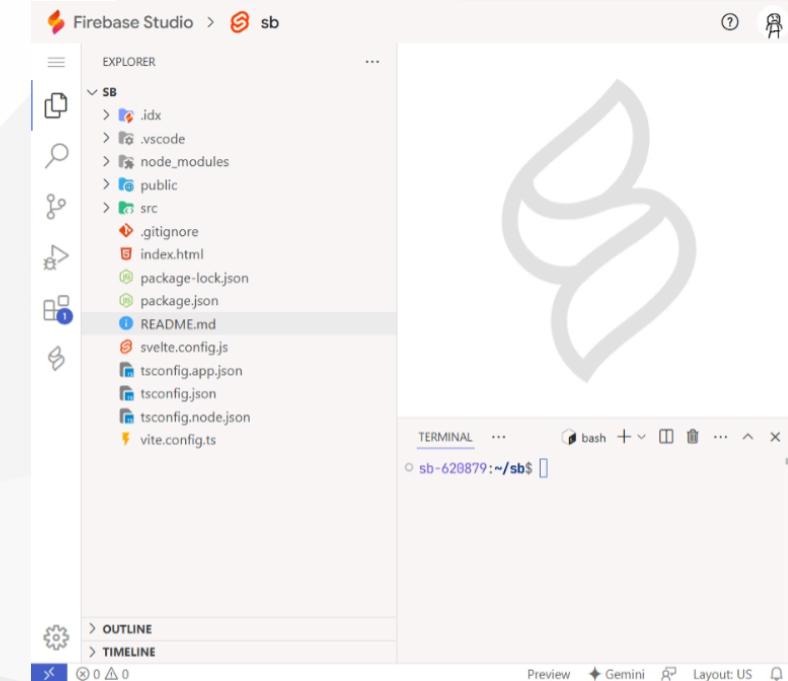
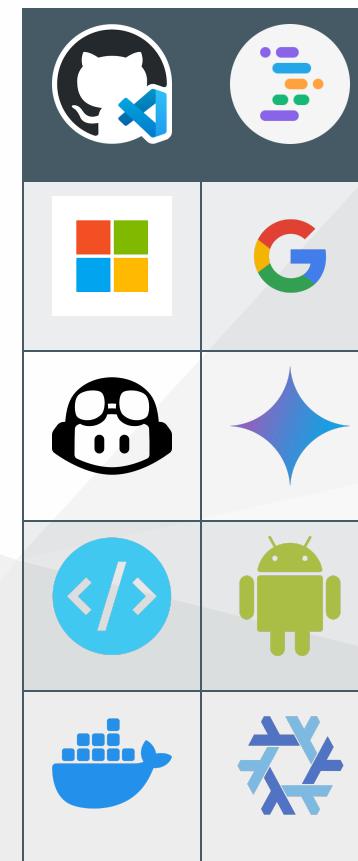
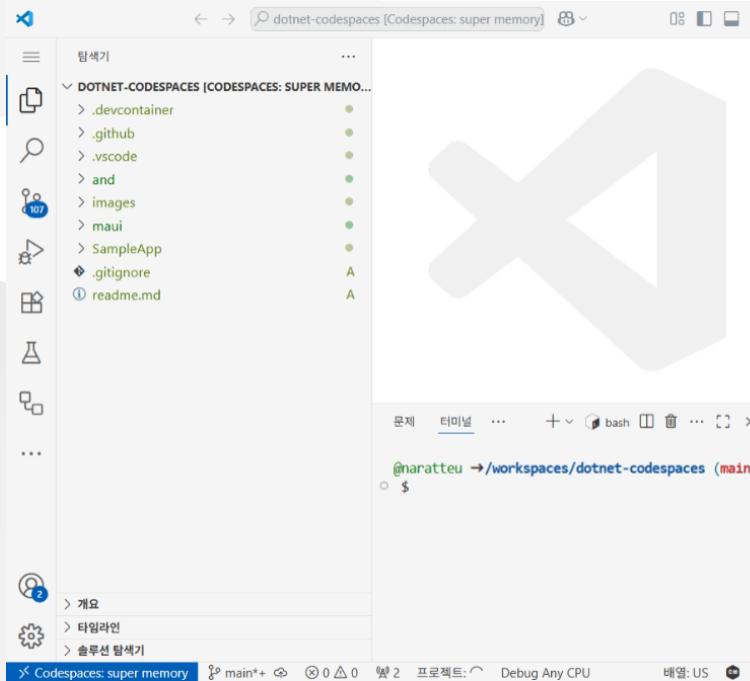
.devcontainer

프로젝트에 참여하는게
이렇게 쉽다니!



- 금방 끝남
- 계속 버전관리됨
- 자동임
- 간단하고 사전 지식이 필요X
- 재현 가능성이 100에 수렴함

...IDX? .nix?



VM .. Container .. Nix .. Package Manager ..

```
apt install jq vs nix-shell -p jq
```

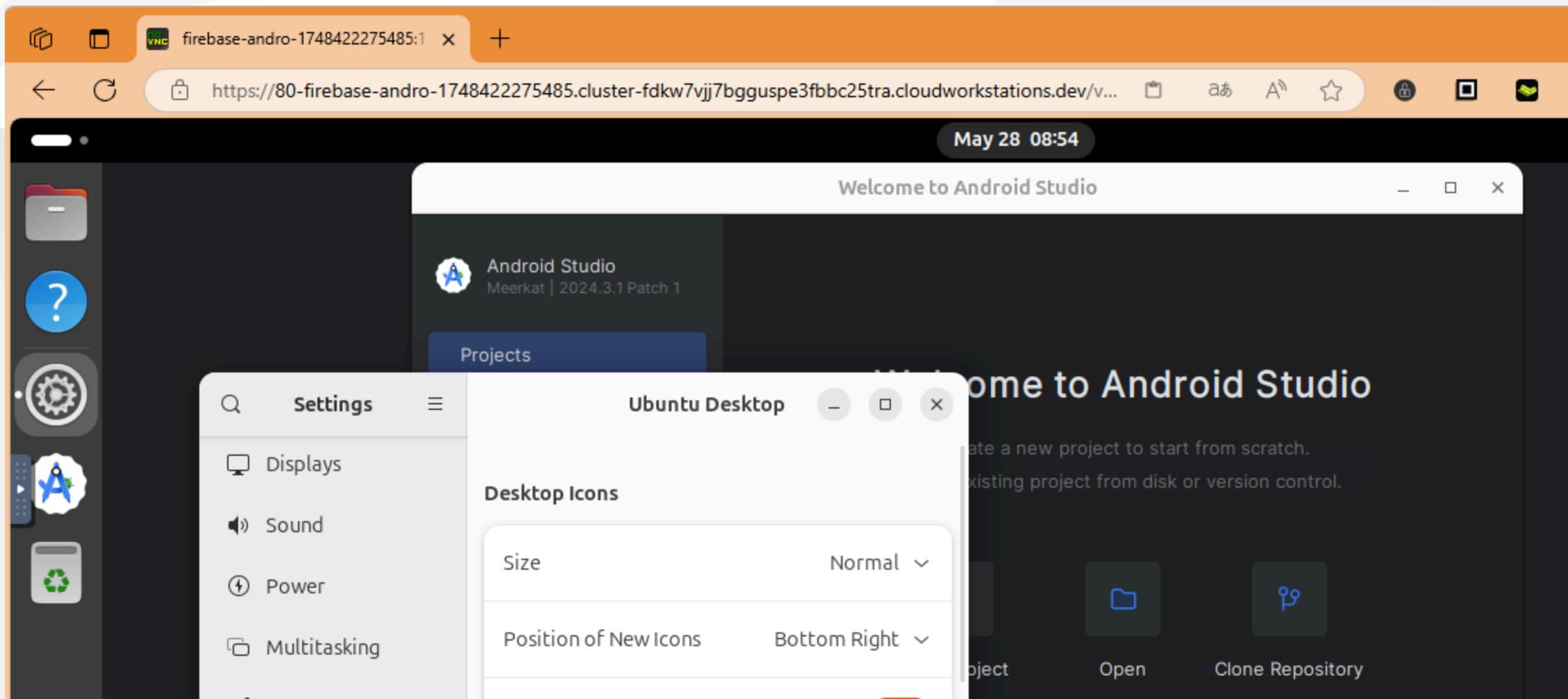
[.devcontainer/devcontainer.json](#)

```
{
  "image": "mcr.microsoft.com/devcontainers/universal:2",
  "features": {
    "ghcr.io/devcontainers/features/dotnet:2": {
      "workloads": "aspire"
    }
  }
}
```

[.idx/dev.nix](#)

```
{ pkgs, ... }: {
  packages = [
    pkgs.go
    pkgs.gcc
    pkgs.dotnet-sdk_8
  ];
}
```

- firebase studio & deep learning #
- firebase studio & android studio



QnA? Live Test



...Thanks!

감사합니다.