











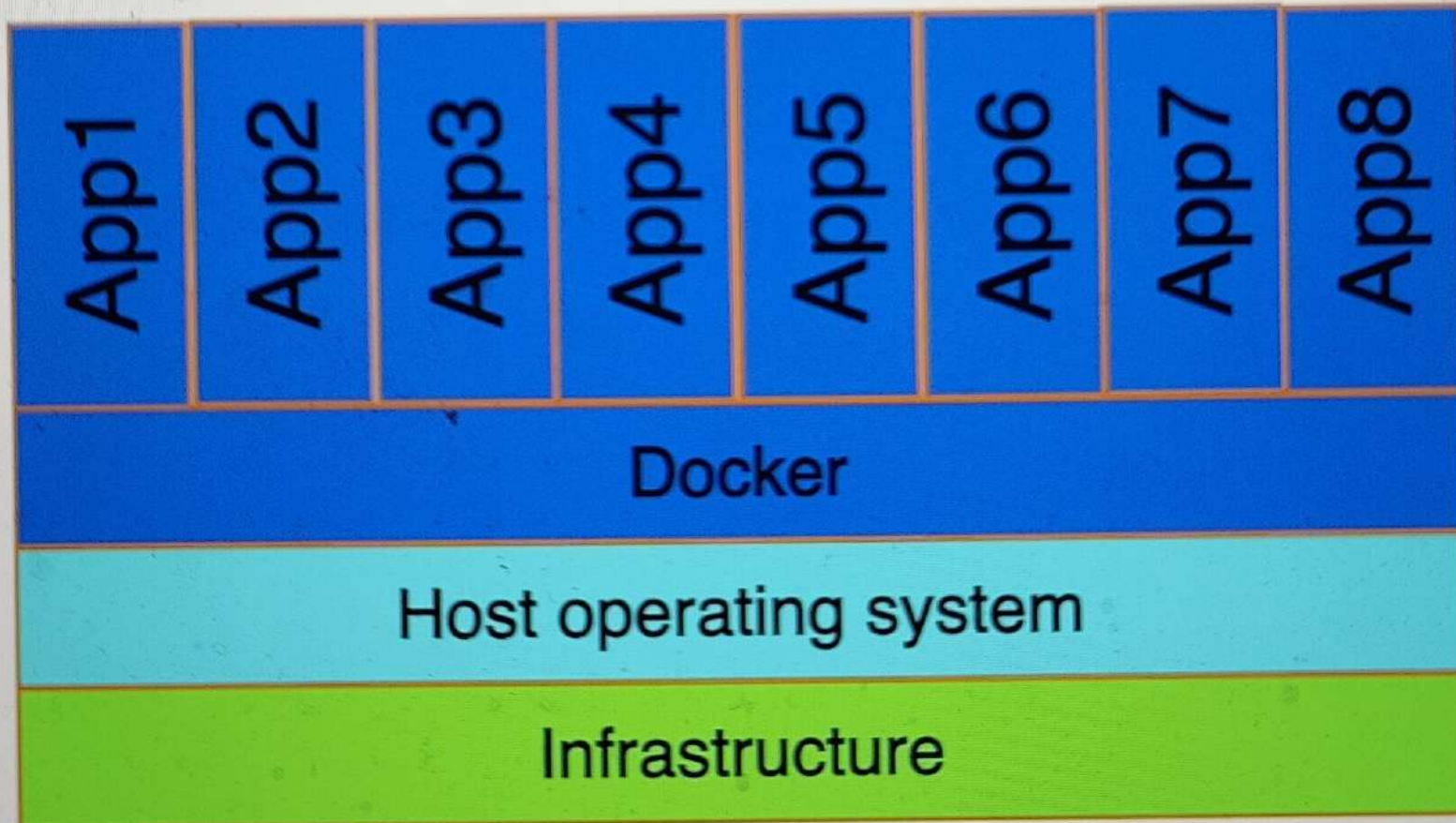
Section 7: Dockerizing our application



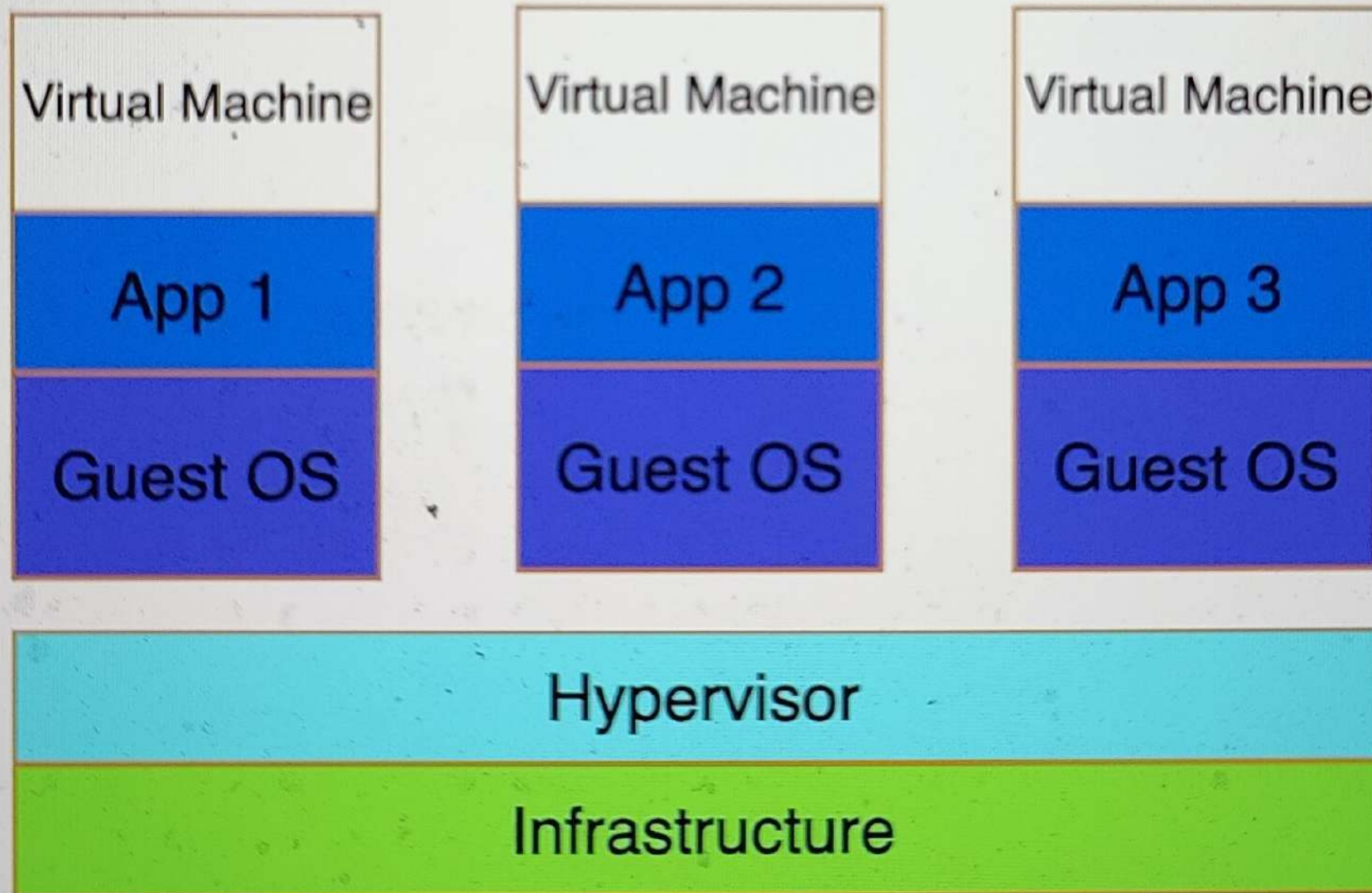
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- ☐ 72. Introduction to Section 7
 4min
- ☐ 73. Creating a docker account
 5min
- ☐ 74. Dockerizing the Auction Service
 14min
- ☐ 75. Updating our docker compose file for the Auction Service container
 14min
- ☐ 76. Dockerising the Search service
 9min
- ☐ 77. Dockerising the Identity Service
 5min
- ☐ 78. Debugging a .Net service in a docker container
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- ☐ 79. Dockerising the Gateway Service
 8min
- ☐ 80. Testing our docker containers
 11min
- ☐ 81. Summary of Section 7
 3min

Containerised applications



Virtual Machines



Dockerfile

```
FROM mcr.microsoft.com/dotnet/sdk:7.0 AS build-env  
WORKDIR /App
```

```
# Copy everything
```

```
COPY . . /
```

```
# Restore as distinct layers
```

```
RUN dotnet restore
```

```
# Build and publish a release
```

```
RUN dotnet publish -c Release -o out
```

```
# Build runtime image
```

```
FROM mcr.microsoft.com/dotnet/aspnet:7.0
```

```
WORKDIR /App
```

```
COPY --from=build-env /App/out .
```

```
ENTRYPOINT ["dotnet", "DotNet.Docker.dll"]
```

Docker compose

- Name
- Image
- Build
- Environment variables
- Depends on