Simple WebApp: Required Tools

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Gradio

- Rapid UI creation

- Simple chat-based applications

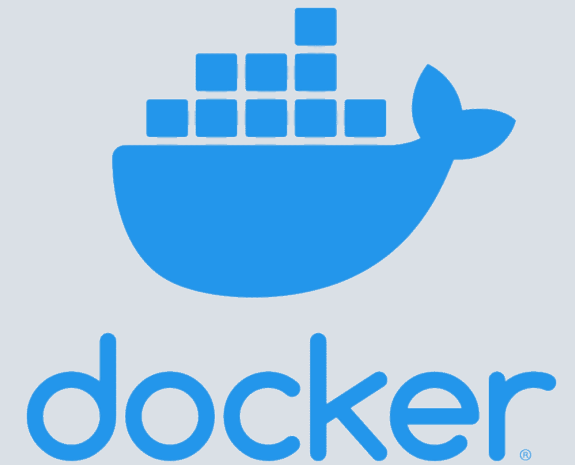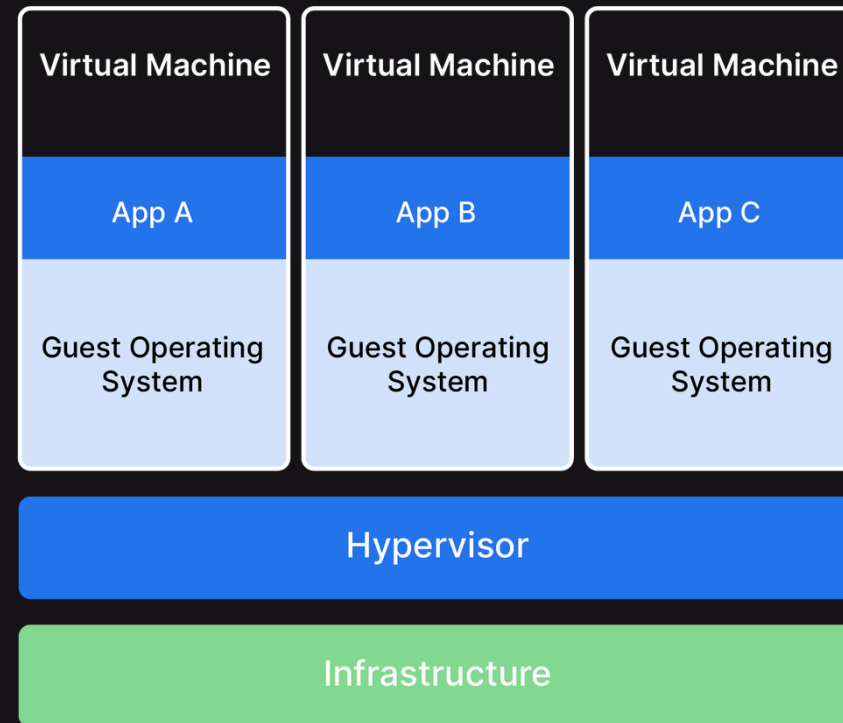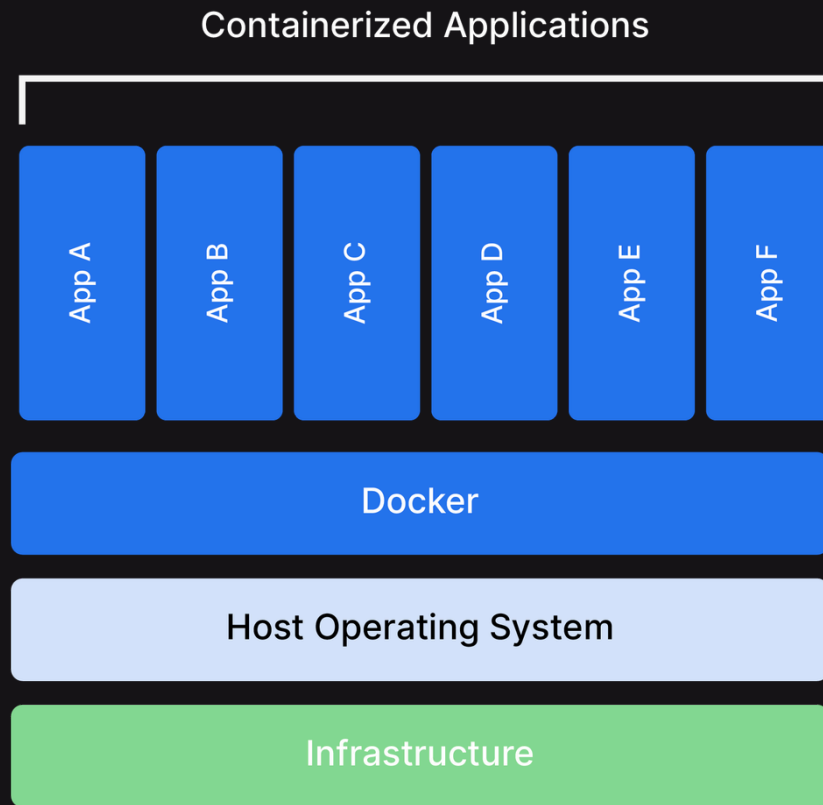- No extensive front-end knowledge needed

Hands-on

Lets implement a simple gradio GUI for our application...

Docker

- Easy deployment & scalability

- Consistent environments

- Platform independence

Docker

Containerized Applications

| App A | App B | App C | App D | App E | App F |

Docker

Host Operating System

Infrastructure

Virtual Machine	Virtual Machine	Virtual Machine
App A	App B	App C
Guest Operating System	Guest Operating System	Guest Operating System

Hypervisor

Infrastructure

Analytics Vidhya

Hands-on

- **Installing Docker** – Set up Docker on your system.

- **Basic Dockerized Application** – Build and run a simple container.

- **Further Steps** – Explore other functionalities.