

# Мрежова сигурност 1 - основи на мрежите

intro

След почивката:

## Ориентация в материията

- Къде пасва в цялото IT
- Защо да го учим
- Примери от реалния свят

Хора и процеси

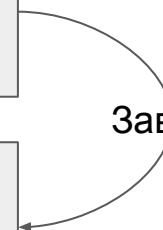
Applications

Platforms

Infrastructures

физика

Зависи от / използва



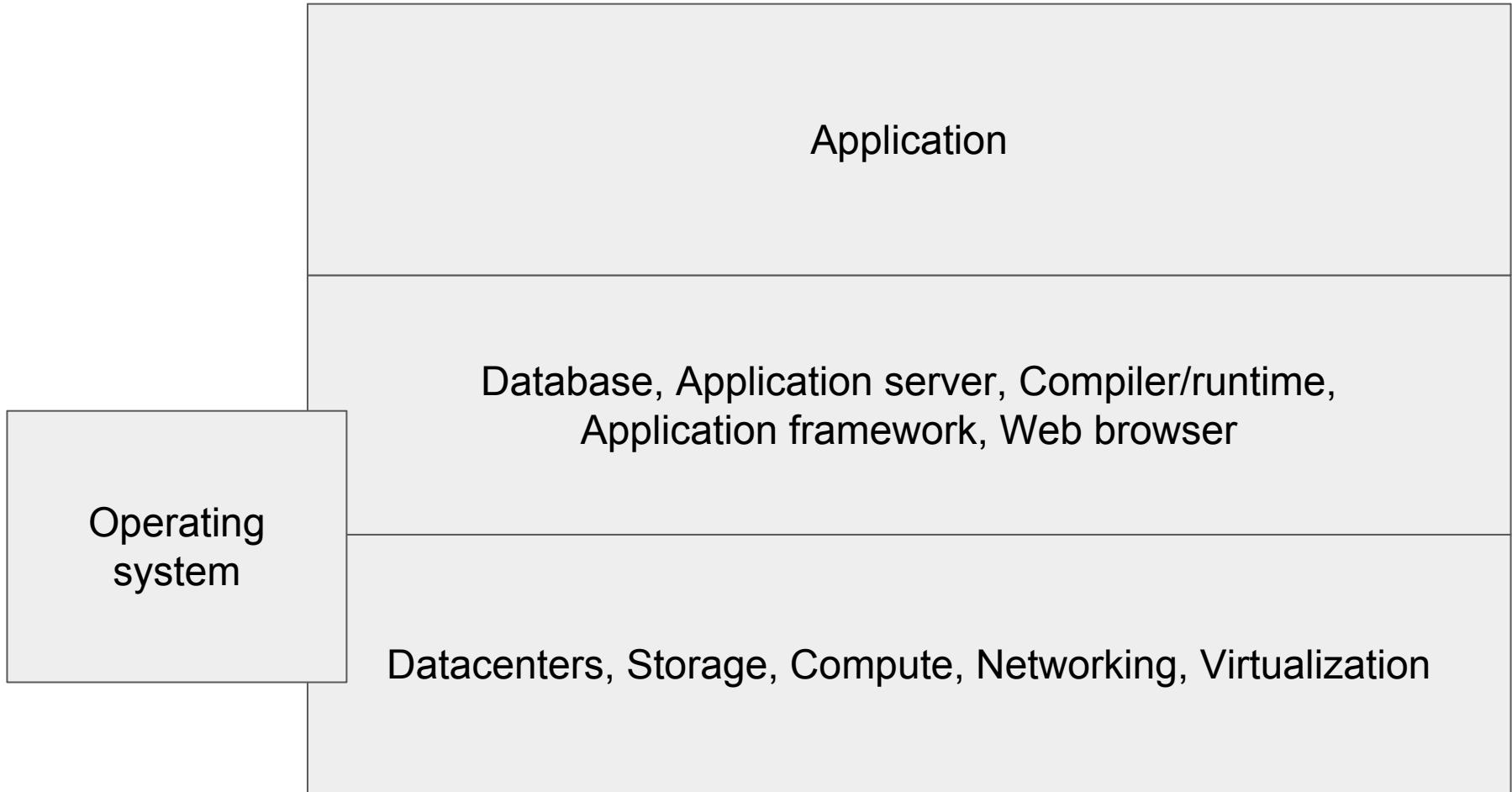
# Zoom 4x

Application

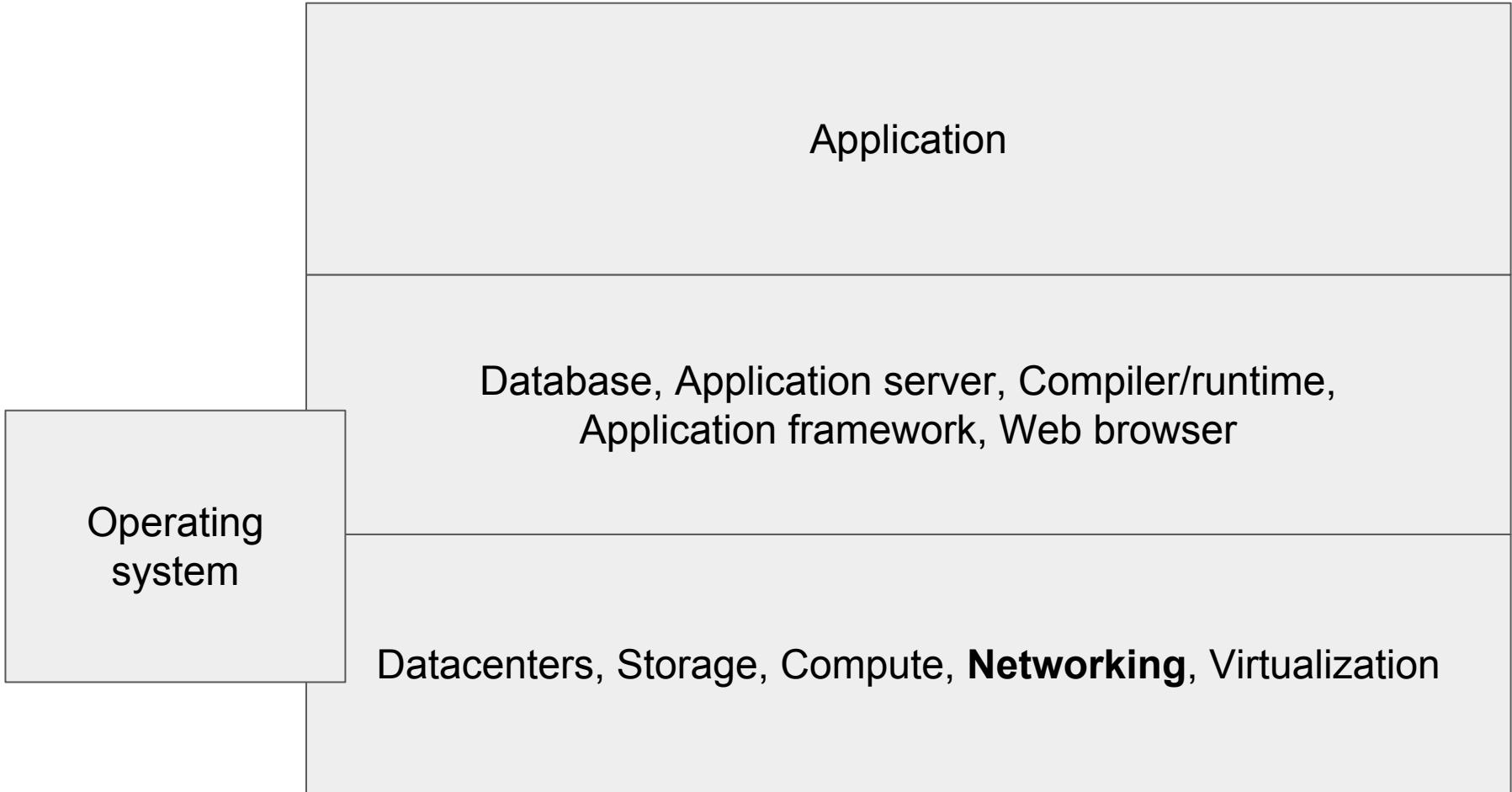
Database, Application server, Compiler/runtime,  
Application framework, Web browser

Datacenters, Storage, Compute, Networking, Virtualization

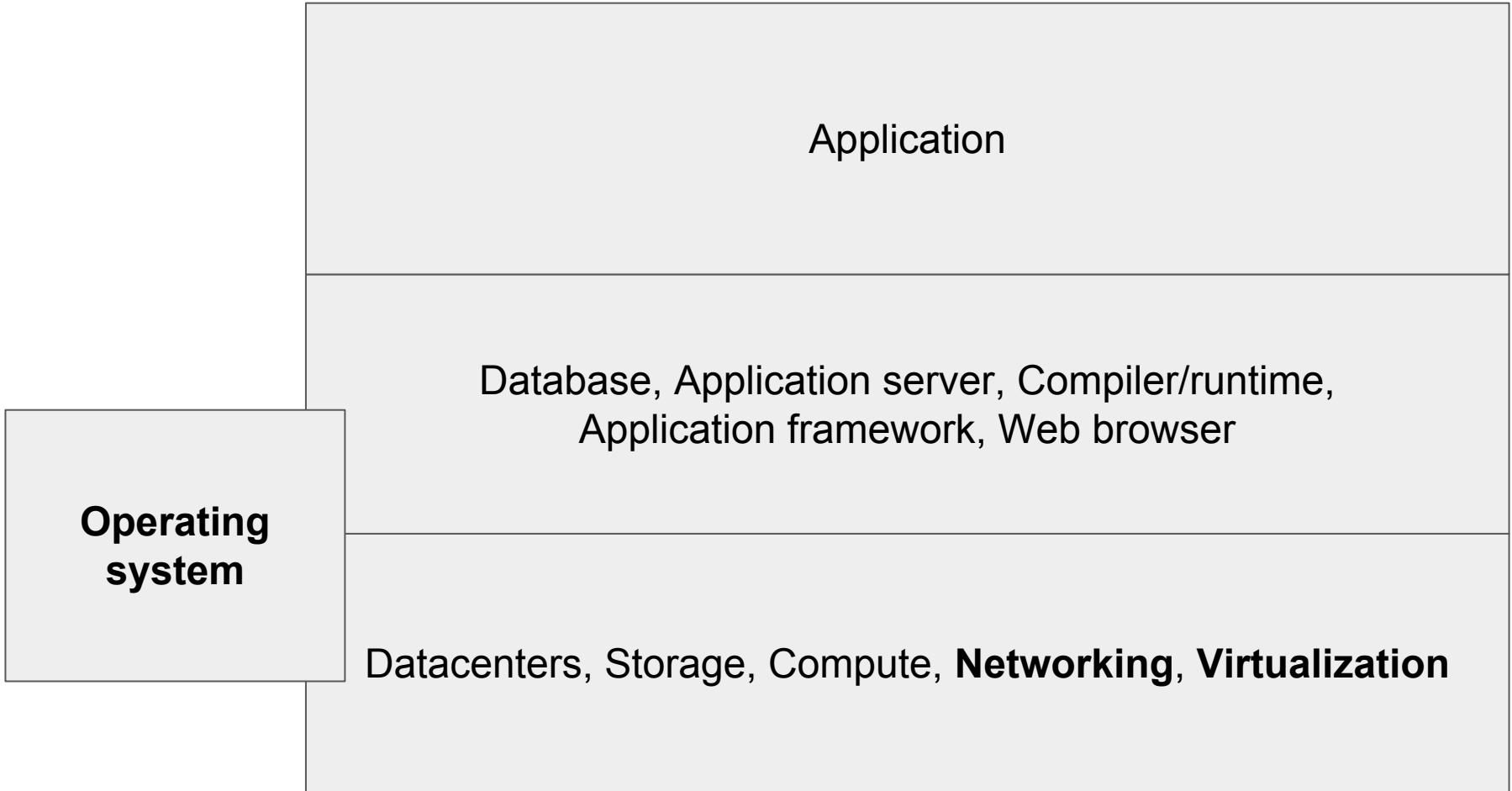
# Zoom 4x



# Zoom 4x



# Zoom 4x



# Zoom 10x

Application - HTTP

Transport - TCP, UDP

Network - IP, IPv6

Datalink - Ethernet, Wi-Fi

# Pakistan & Youtube BGP incident (2008)

<https://www.youtube.com/watch?v=IzLPKuAOe50>

# Linux TCP weakness (2016-09)

[https://www.usenix.org/system/files/conference/usenixsecurity16/sec16\\_paper\\_ca0.pdf](https://www.usenix.org/system/files/conference/usenixsecurity16/sec16_paper_ca0.pdf)