

# Architecting for Multi-tenancy

---



**Peter Kellner**

MICROSOFT MVP, CONSULTANT AND AUTHOR

@pkellner PeterKellner.net

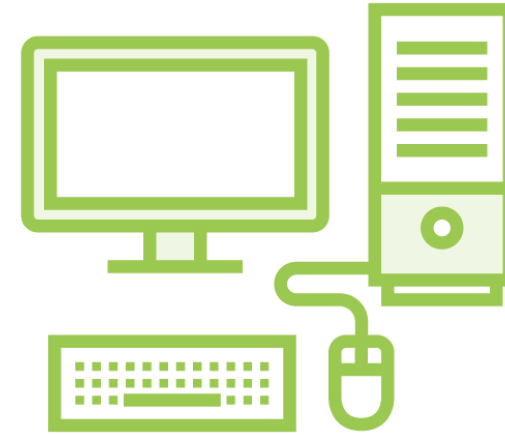


# Architectural Considerations



## Software

All development working include library selections and use



## Hardware

All things web server related, CPU's, cloud and hardware selections



# Architectural Considerations **Software**

**Abstracting common  
functionality**

**Multi-tenant isolation and  
security**

**Specialized tenant  
functionality**

**To SPA (Single Page App) or  
not**



# Architectural Considerations

## **Software and Programming Costs**



# Architectural Considerations

## Hardware

Hosting costs

Single or multiple servers

PAAS hosting in the cloud  
(Azure, AWS and others)

Multi-tenant isolation and  
security



# Summary



## Why multi-tenant?

- Cost
- Software development

## Architectural decisions

- Scaling
- Abstracting common code
- Isolation and security

