

# Microservices and the Organization

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# Microservices and the Organization

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- Microservices require different mindset
- Traditional organizations will have hard time succeeding with Microservices
- Without adapting – there's no point in going with Microservices

# Conway's Law

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- Introduced in 1967 by Melvin Conway
- Still relevant...
- Describes the relationship between the organization and the software structure / architecture

# Conway's Law

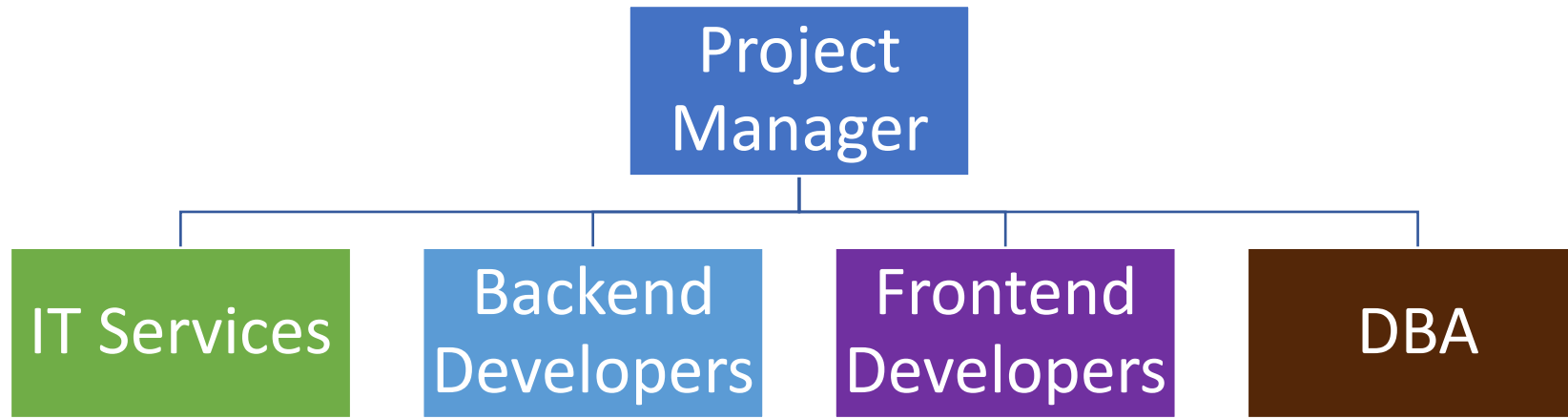
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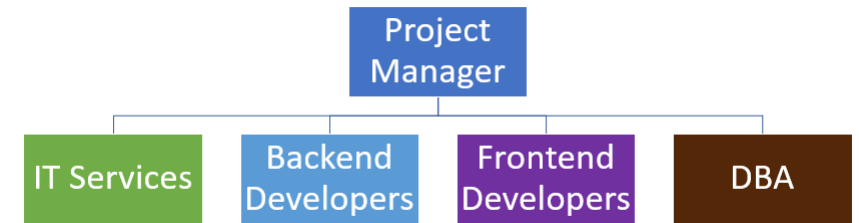
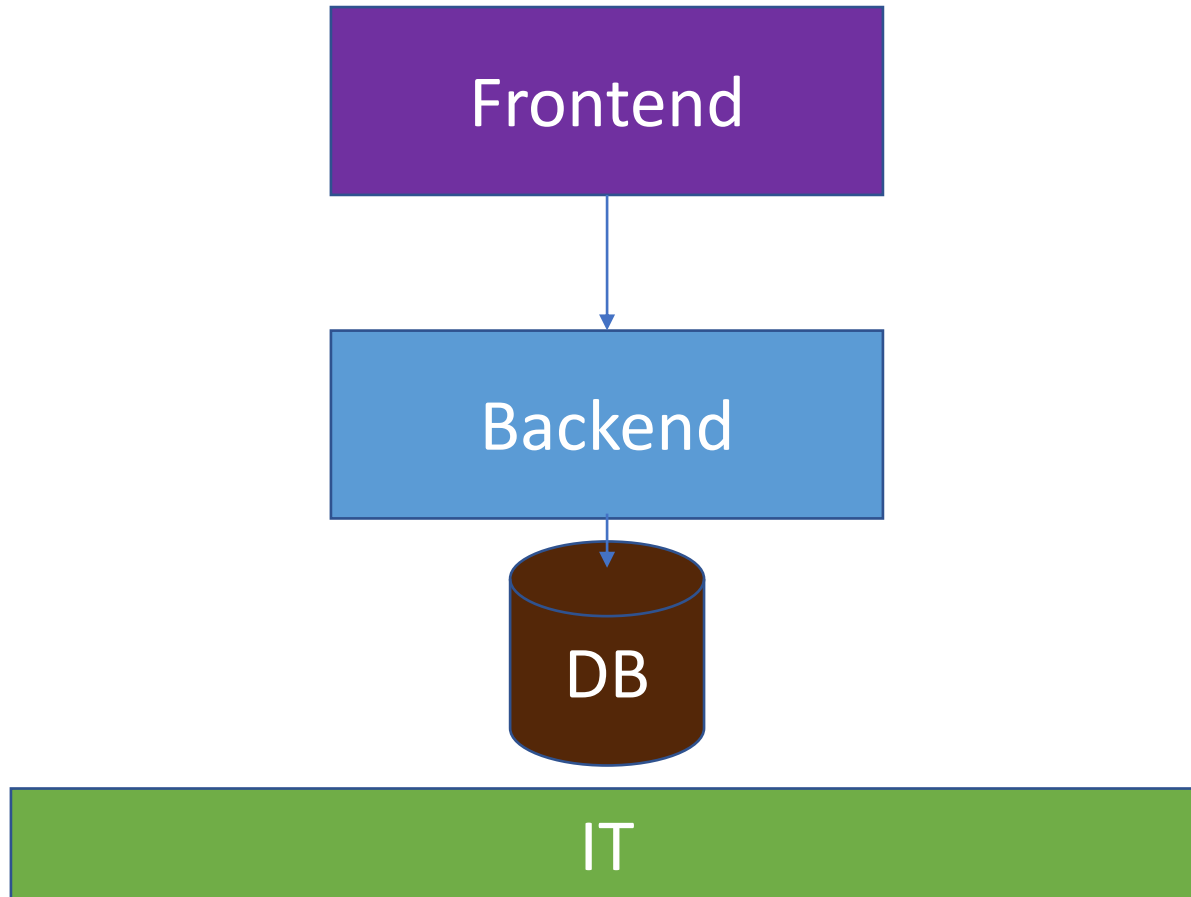
*Any organization that designs a system (defined broadly) will produce a design whose structure is a copy of the organization's communication structure.*

# Traditional Project's Organization Chart

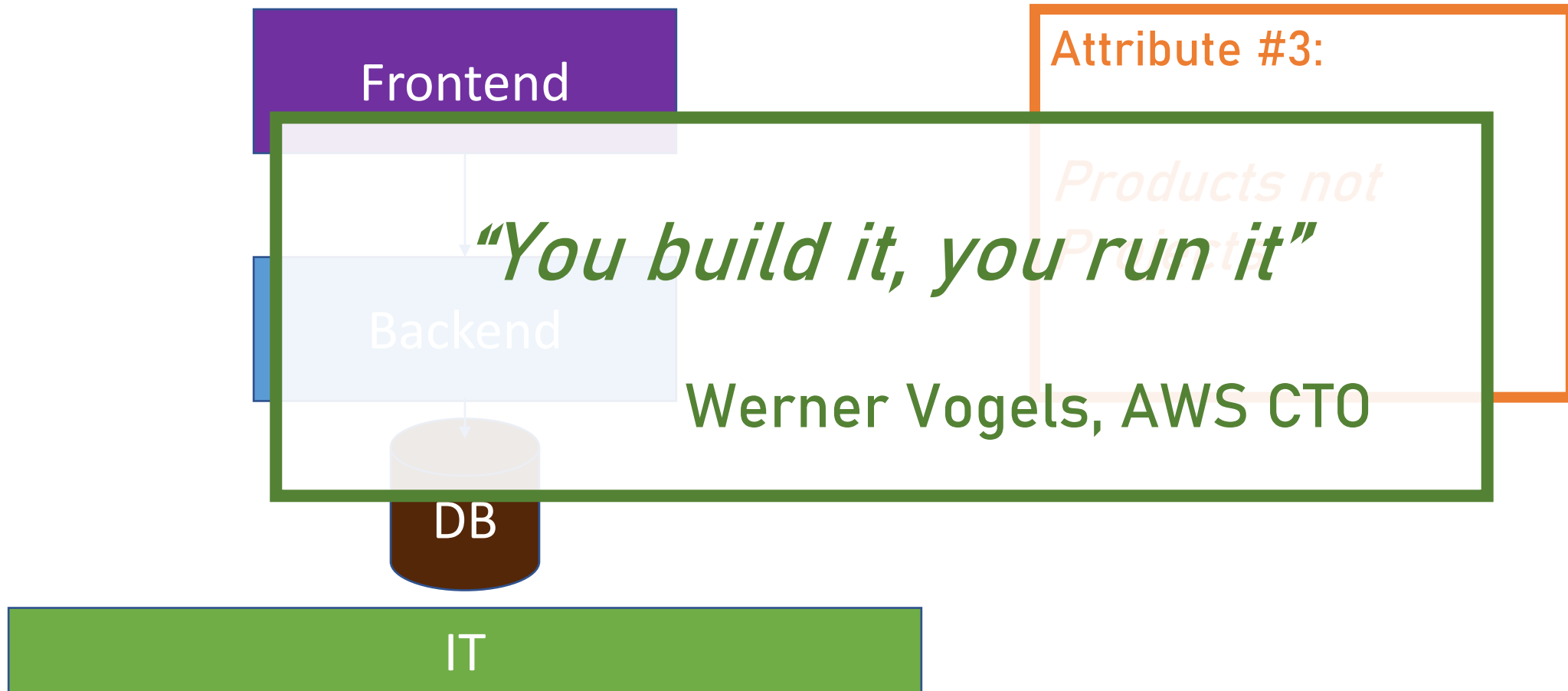
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# Traditional Architecture



# The Problem with Traditional Team



# The Problem with Traditional Team

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- When there are multiple teams – no one takes responsibility
- Teams are horizontal – Backend, Frontend, IT etc.
- No wholistic view on the product



# The Ideal Team

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- The ideal team is responsible for all aspects of the service:
  - Backend
  - Frontend
  - DB
  - Deployment

# The Ideal Team Size

*“Every internal team should be small enough that it can be fed with two pizzas”*

- Jeff Bezos



# The Ideal Team Size

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- Pizza not mandatory 😊
- Exact number varies
- Should be small (Usually 3-7)

# Changing Mindset

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- Traditional organizations have hard time transitioning to  
Microservices
- Need help in the process
- You can and should help

# Changing Mindset

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- How to help?
  - Training – Lecture on Microservices, success stories, basic principles
  - POC – Go small, quick win
  - Work closely with the team during design and development