

# CENTRIC IT SOLUTIONS

WE HELP SHAPE THE BEST OF YOU



# ABOUT ME

# AGENDA

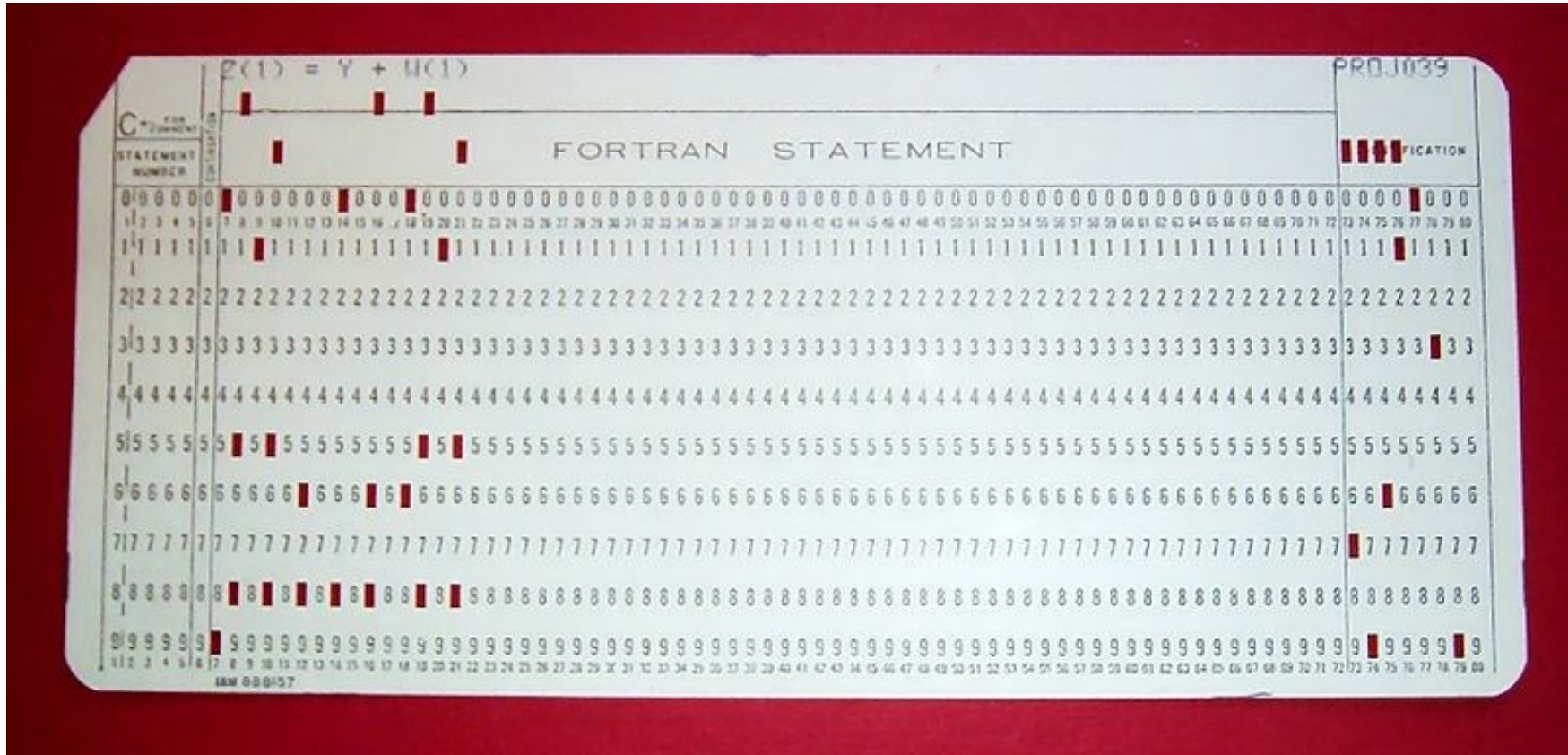
# AGENDA

- The beginning
- Nowadays - serverless
- Tools
- Demystify serverless myths
- Intro Serverless architecture
- Creating REST API with Azure Functions
- Demo
- Recap
- Resources

# The beginning ...



# The beginning ...



Source : <https://commons.wikimedia.org/w/index.php?curid=775153>

## The beginning ...



Copyright: MITRE Corporation

**Nowadays ...**



## Nowadays ...

- “Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.”

## Nowadays ...

- On-demand self-service
- Broad network access
- Resource pooling
- Rapid elasticity
- Measured Service

## Nowadays ...

- Cloud Software as a Service (SaaS)

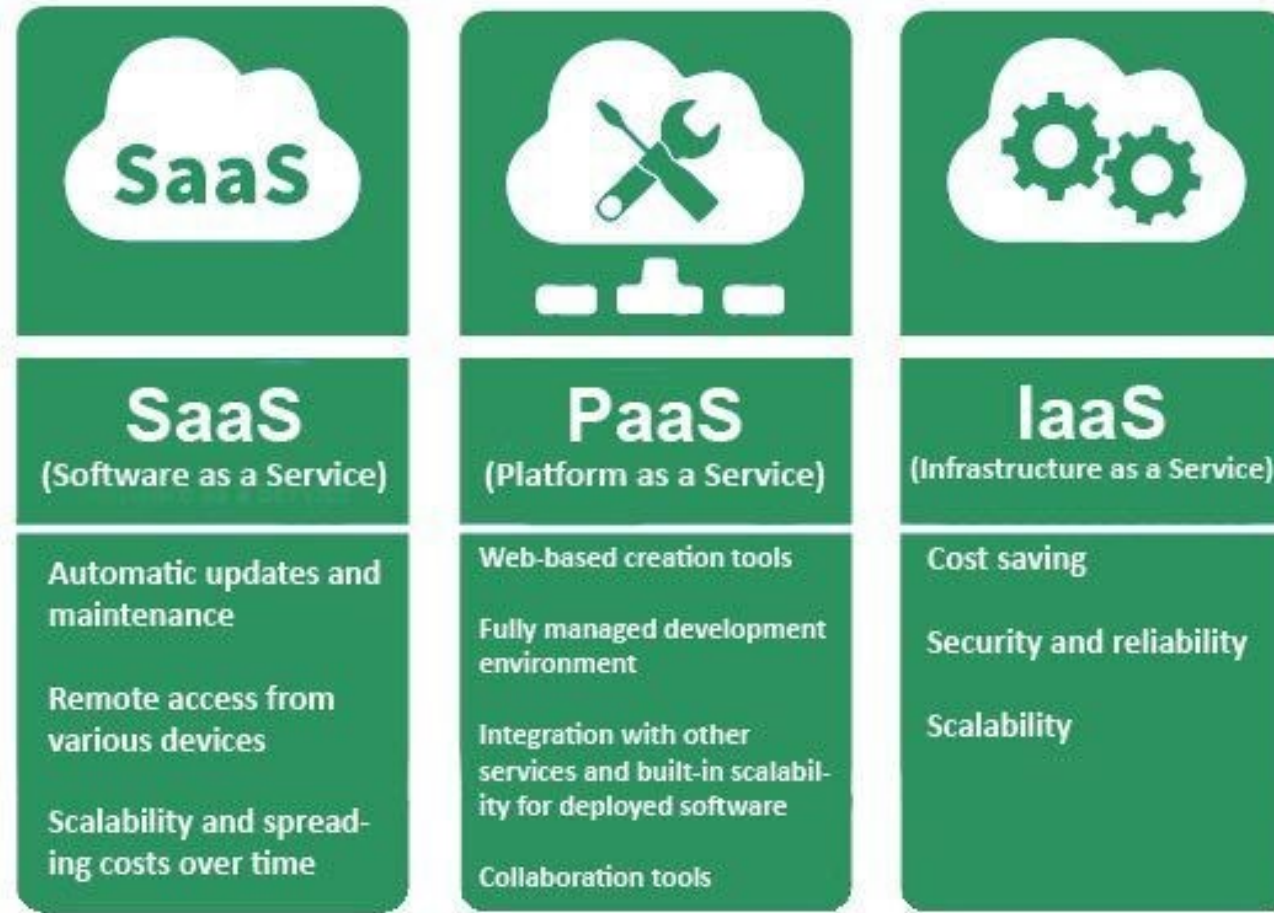
## Nowadays ...

- Cloud Software as a Service (SaaS)
- Cloud Platform as a Service (PaaS)

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- Cloud Software as a Service (SaaS)
- Cloud Platform as a Service (PaaS)
- Cloud Infrastructure as a Service (IaaS)

# Nowadays ...





## Nowadays ...

### AWS vs. Azure vs. Google vs. IBM Enterprise Scorecard

Area	AWS	Azure	Google	IBM
% Adoption	68%	58%	19%	15%
YoY Growth in Adoption	15%	35%	26%	50%
% Adoption in Beginners	47%	49%	18%	14%
% with Footprint >50 VMs	58%	44%	17%	14%
YoY Growth in Footprint > 50 VMs	14%	38%	42%	56%

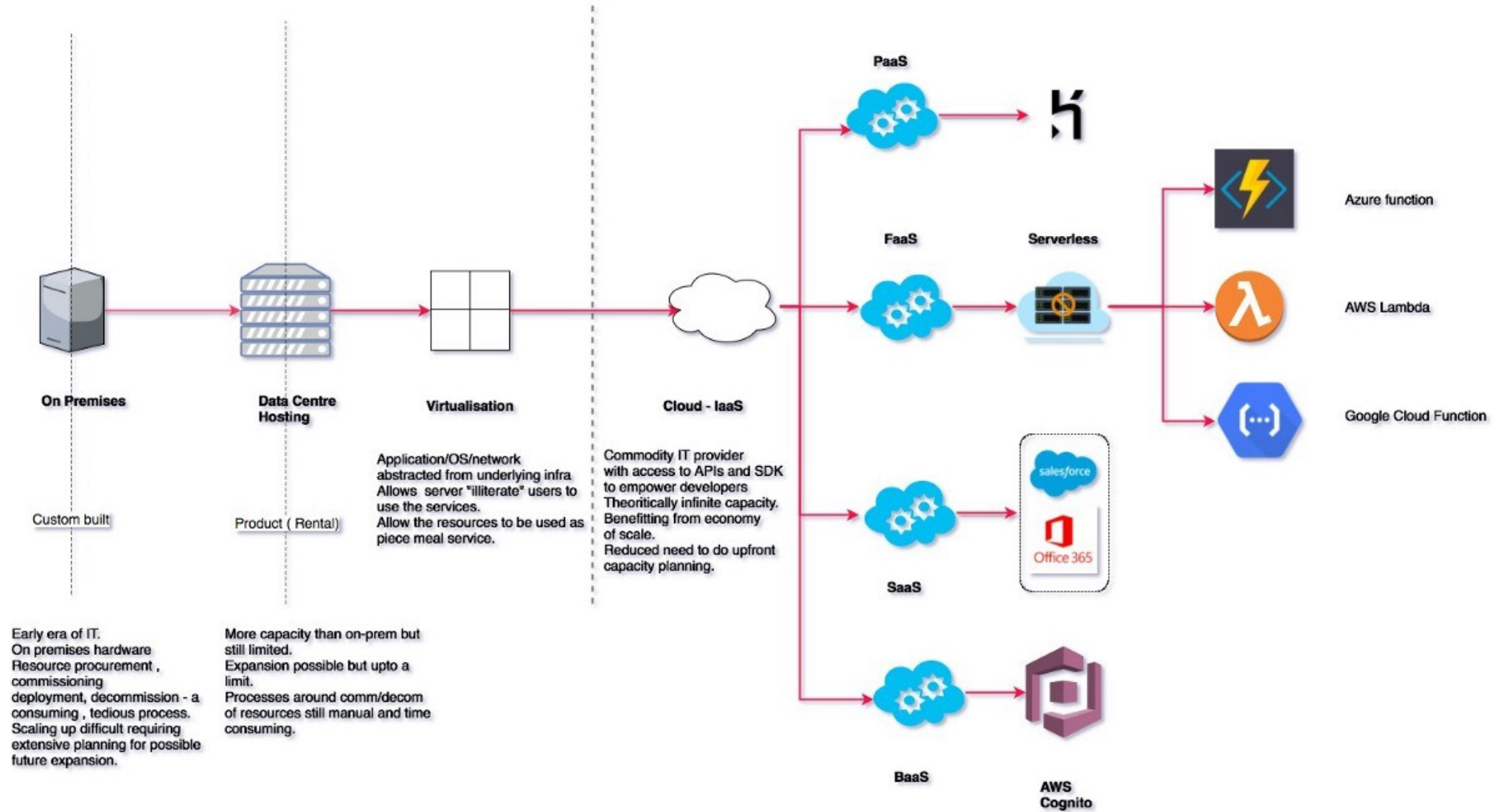
■ AWS leads

■ Other vendors lead AWS

Source: RightScale 2018 State of the Cloud Report

**RIGHT SCALE**

# Nowadays ...



# TOOLS

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- Visual Studio Code - <https://code.visualstudio.com/download>

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- Visual Studio Code - <https://code.visualstudio.com/download>
- Azure Functions Core Tools - <https://github.com/Azure/azure-functions-core-tools>

# TOOLS

- Demo



# TOOLS

- kahoot.it

# TOOLS

- Exercise:
  - Add another parameter(like name) and test it using the browser

# DEMYSTIFY SERVERLESS MYTHS

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- kahoot.it

# DEMYSTIFY SERVERLESS MYTHS

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- #3: Serverless means I can get rid of operations (NoOps)

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- #1: Serverless Means “No Servers”
- #2: Serverless is another name for Functions as a Service (FaaS)
- #3: Serverless means I can get rid of operations (NoOps)
- #4: Serverless is Docker/Kubernetes/Lambda/etc.

# REALITY REGARDING SERVERLESS

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- “Serverless is any cloud-native service for implementing application logic that allows the developer to focus on the app and not think about servers.”
- Source - <https://www.progress.com/blogs/what-serverless-means-separating-fact-from-fiction>

# REALITY REGARDING SERVERLESS

- Serverless is Cloud Native

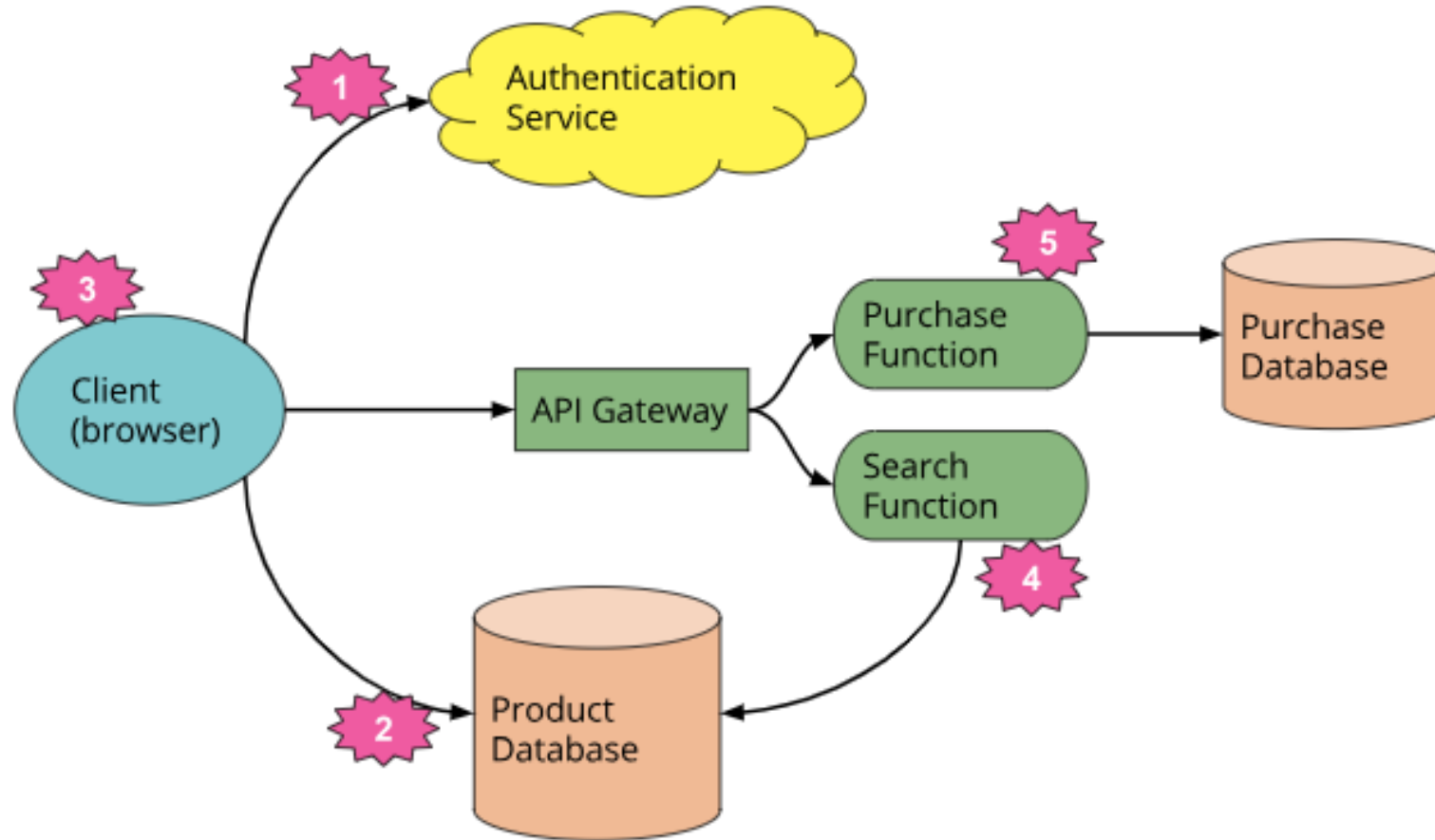
# REALITY REGARDING SERVERLESS

- Serverless is Cloud Native
- Serverless is for focusing on the app, not servers



# SERVERLESS ARCHITECTURE

# Serverless architectures



- Source - <https://martinfowler.com/articles/serverless.html>

# CREATING REST API WITH AZURE FUNCTIONS

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- Demo – Create Airport Azure Function

# CREATING REST API WITH AZURE FUNCTIONS

- Demo – Get All Airports Azure Function

# CREATING REST API WITH AZURE FUNCTIONS

- Demo – Get By Id Airport Azure Function

# CREATING REST API WITH AZURE FUNCTIONS

- Demo – Update Airport Azure Function

# CREATING REST API WITH AZURE FUNCTIONS

- Demo – Delete Airport Azure Function



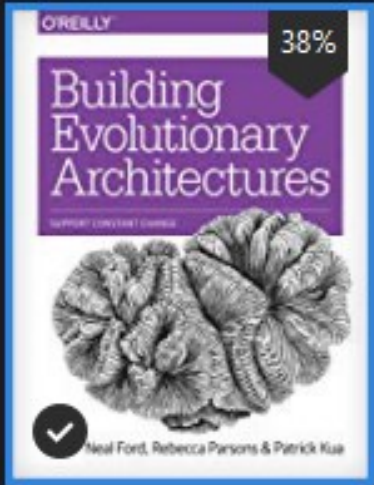
# RECAP

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- Free discussion

# RESOURCES

# RESOURCES





# Thank you!

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