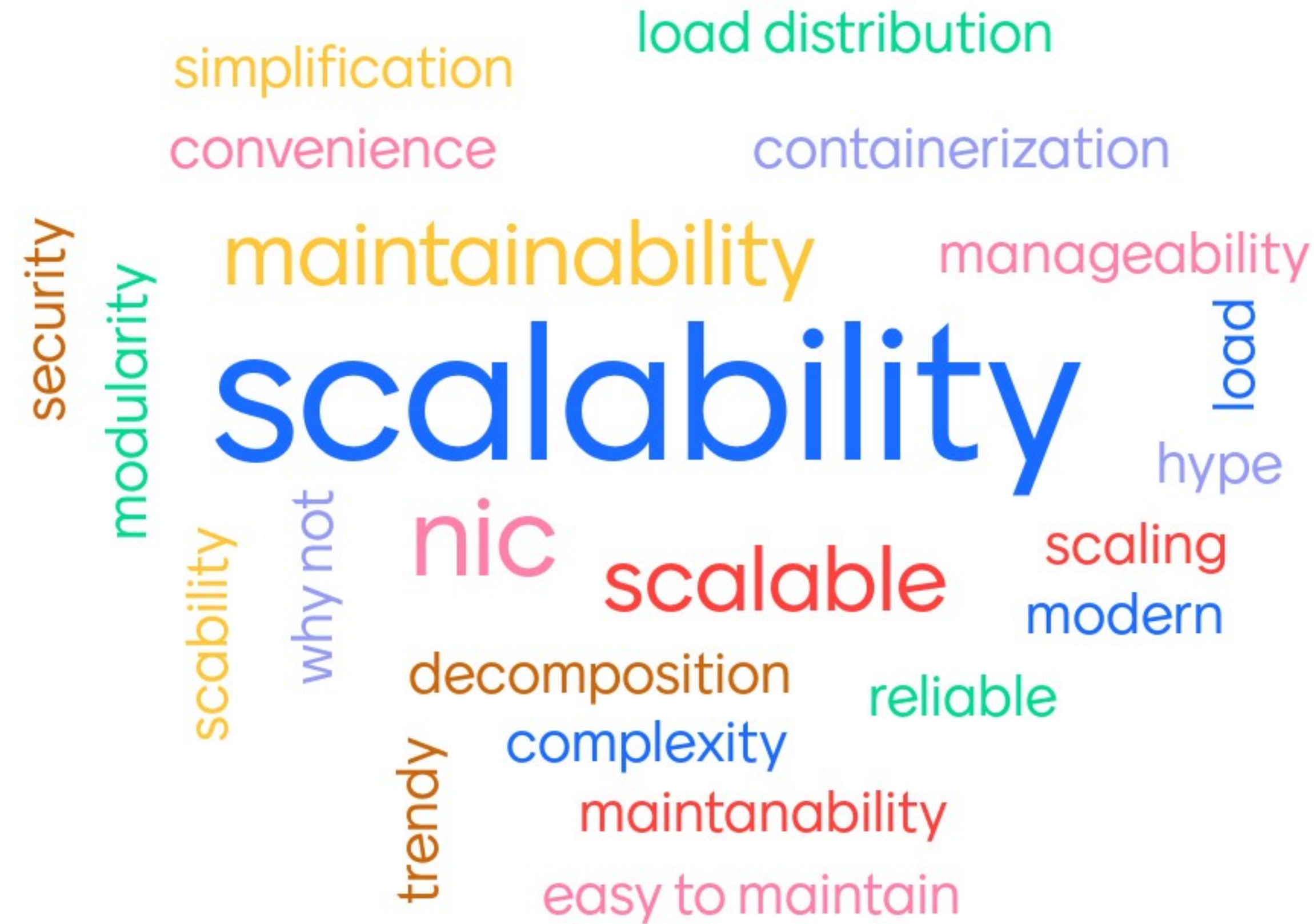# Microservices are an architectural pattern.

Based on Conway's observation that organization structures in large corporations determine system architecture.

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Why Microservices?

Principles of Microservices

7 — Independent implementation: each service is developed by a different team.

19 — Independent deployability: each service can be deployed and operated independently.
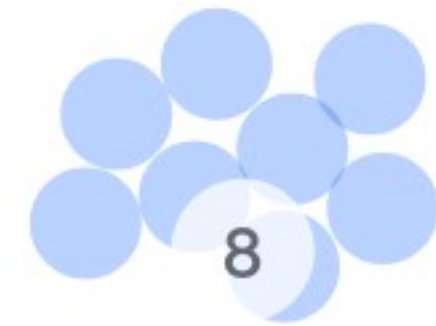
0 — Data availability: data ownership is distributed, so that services can modify all data they need.

2 — Data sovereignty: each service has sole ownership of its domain data.

1 — Universal interoperability: All Microservices use HTTP/REST to ensure interoperability.

8 — Horizontal scalability: services can be deployed in as many instances as needed.