Topic & Presenters

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" The Role of FinOps in Cloud Computing: Empowering Technologists to Drive Cost Efficiency and Innovation

Online Stream

BCS SPECIAL INTEREST GROUP IN SOFTWARE TESTING
SIGiST 2025 CONFERENCE
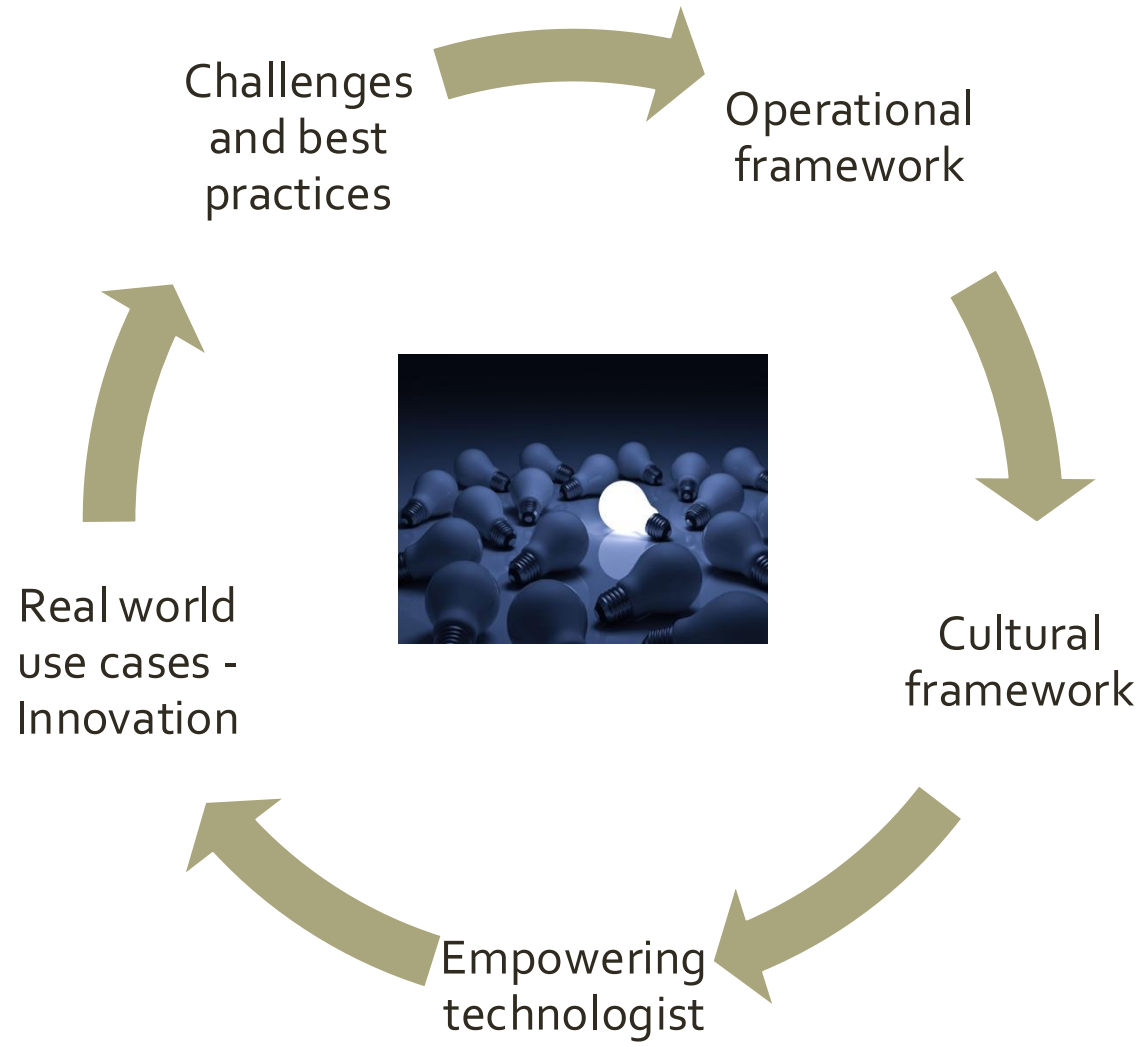*Finding Calm in Chaos: Applying Testing to a Changing World*
19th June 2025 - In Person and Online
Open to all BCS Members and Non-Members

bcs
The Chartered Institute for IT

Great power comes with great responsibility … great scalability comes with …..

Challenges and best practices

Operational framework

Cultural framework

Empowering technologist

Real world use cases - Innovation

FinOps is a set of principles and practices which helps organizations to manage and optimize the cloud spending

FinOps bringing discipline to cloud financial management

Integrating FinOps with cloud adoption framework
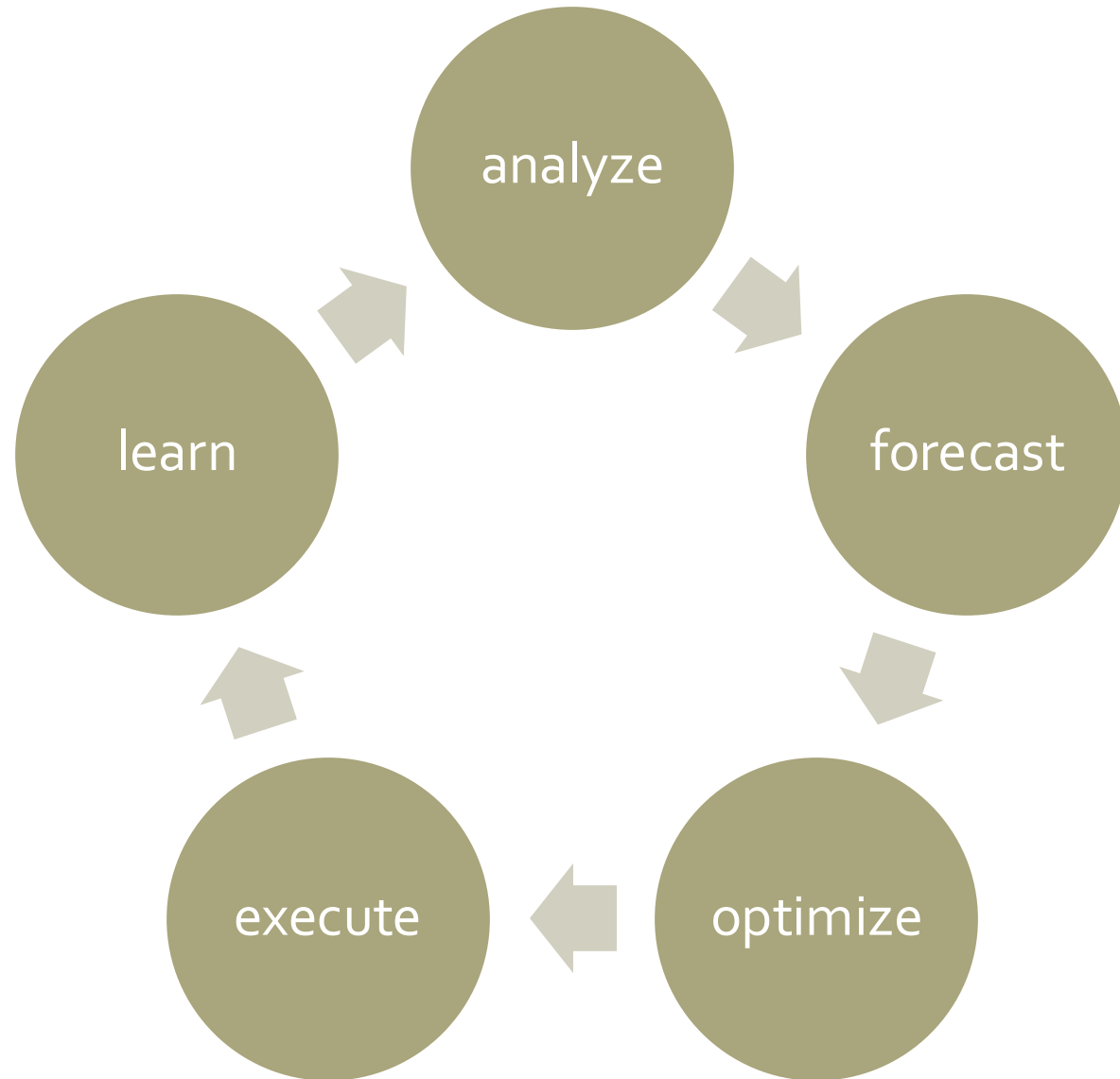
Retire

Re architect

Re platform

Retain

Re purchase

Re host

Cultural and operational framework to optimize cloud spending
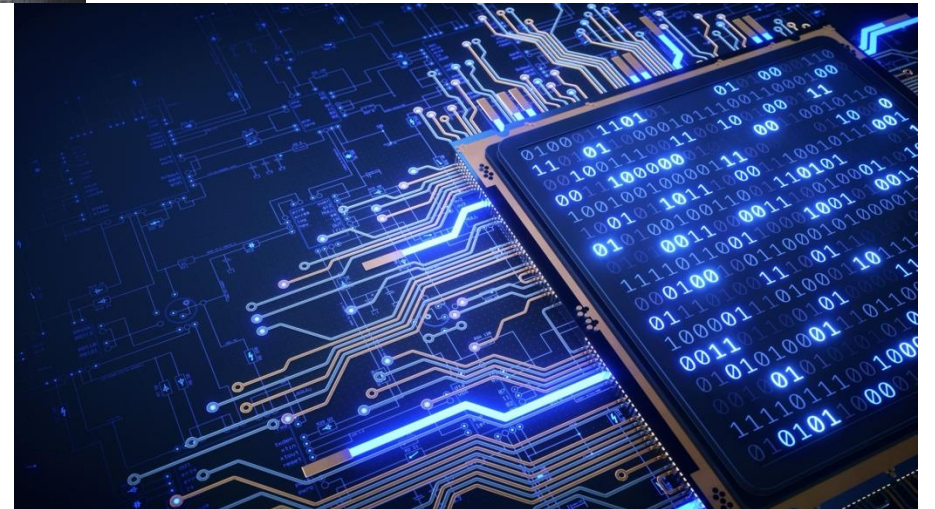
Responsible FinOps

People

AI Companions

Strategy Governance

Transparency

...............Decision makers,
Technology leaders,
Business executives,
....

.................Architects,
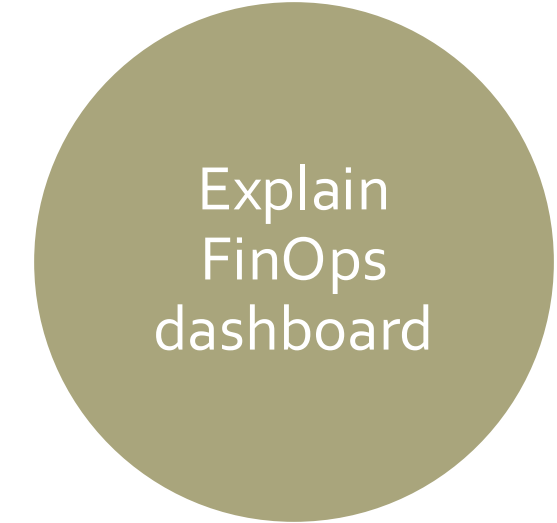Designers,
Developers,
Testers,
Product managers
....

Innovation

AI for FinOps
&
AI's FinOps

Generative AI –
Train/Explain/Suggest

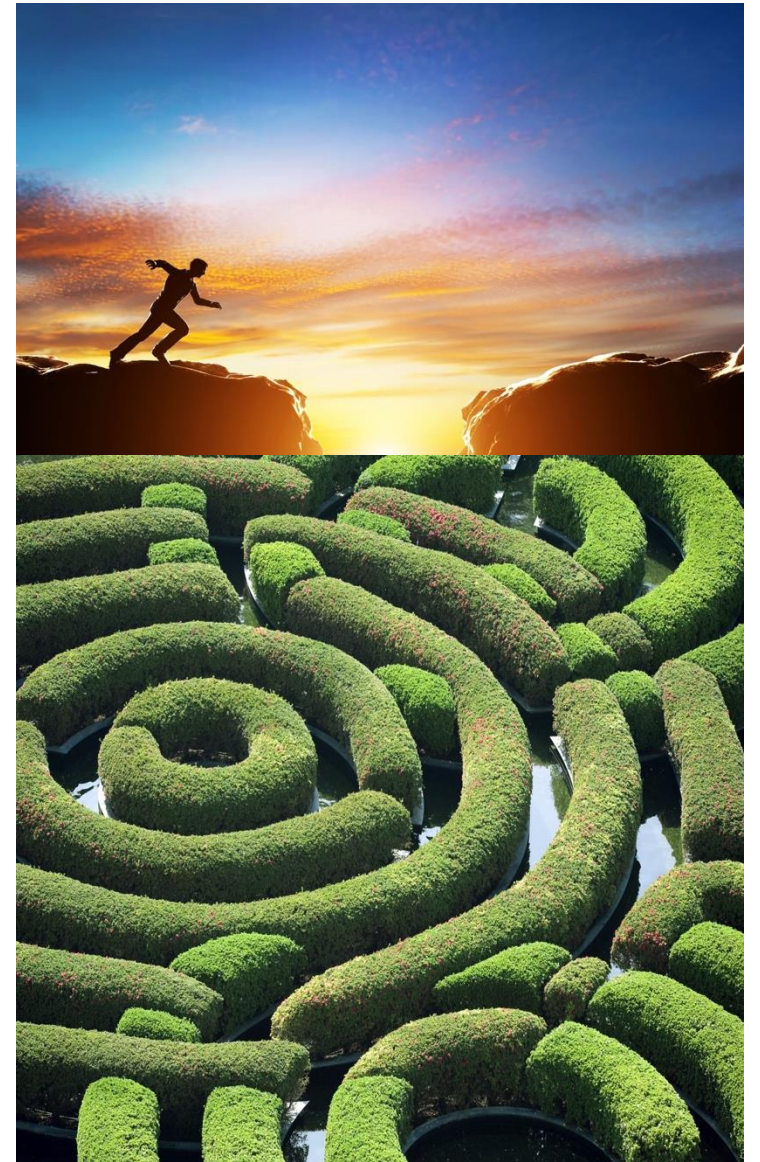AI agents

Explain
FinOps
dashboard

Anomaly
detection/fix/optimization
recomendations

Challenges

Common Story Lines

- Multi cloud - Not having standard billing dashboard across cloud
- Complex usage patterns, each component from multiple Cloud service providers
- Un used GPUs Over provisioned or under utilized
- Not properly tagged cloud resources
- Generative AI token-based billing models
- No proper anomaly detection mechanisms
- No alerts or not enough alerts

Best Practices

Collaboration across Teams

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Monitor resource usage

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Automate unused resource clean up

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Real Time decision making

Cost ownership

↓

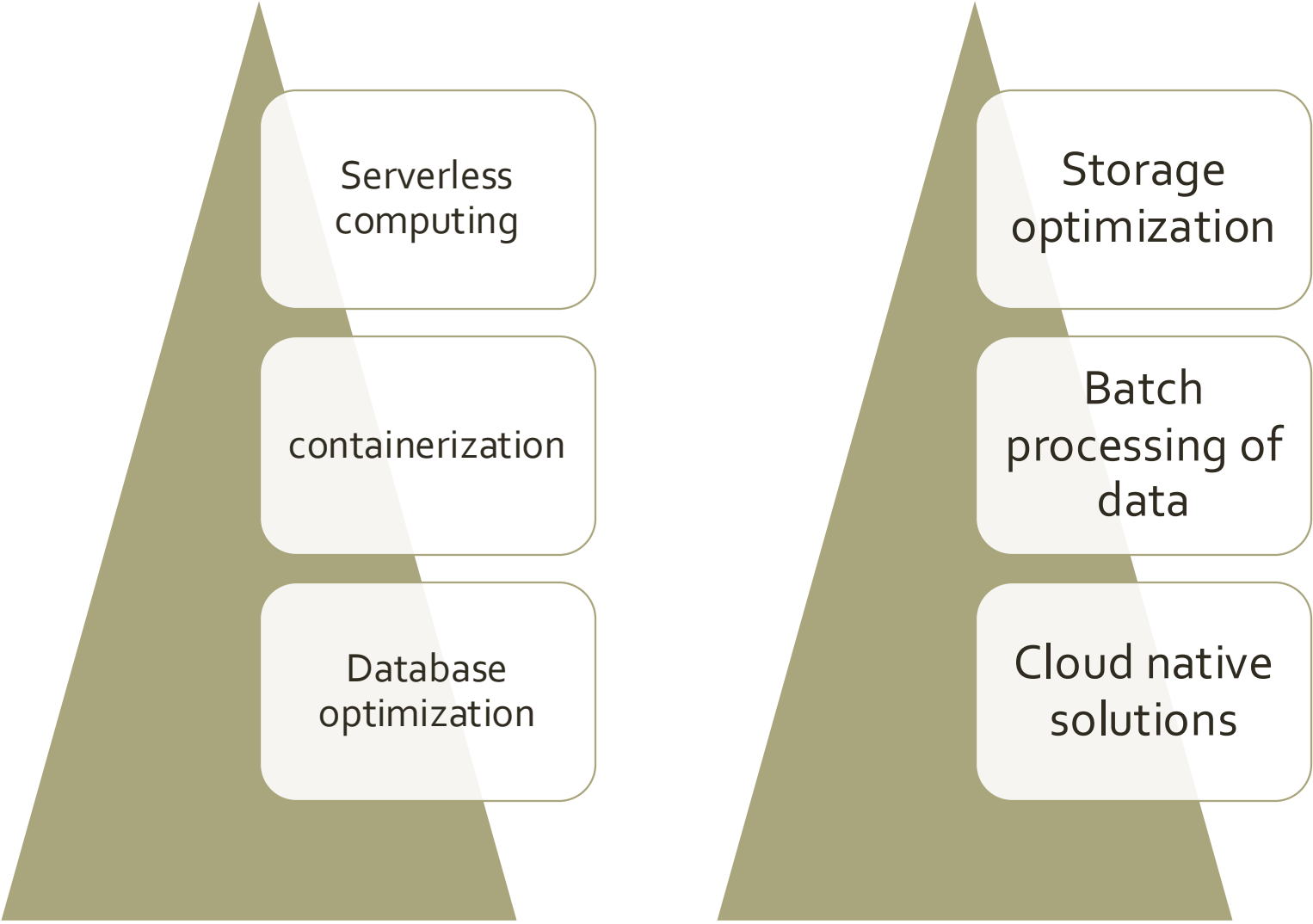Resource Tagging

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Well architect framework

↓

Automated testing

Best Practices Enterprise Strategy

- Sustainable
- Environment friendly

Pricing Negotiations

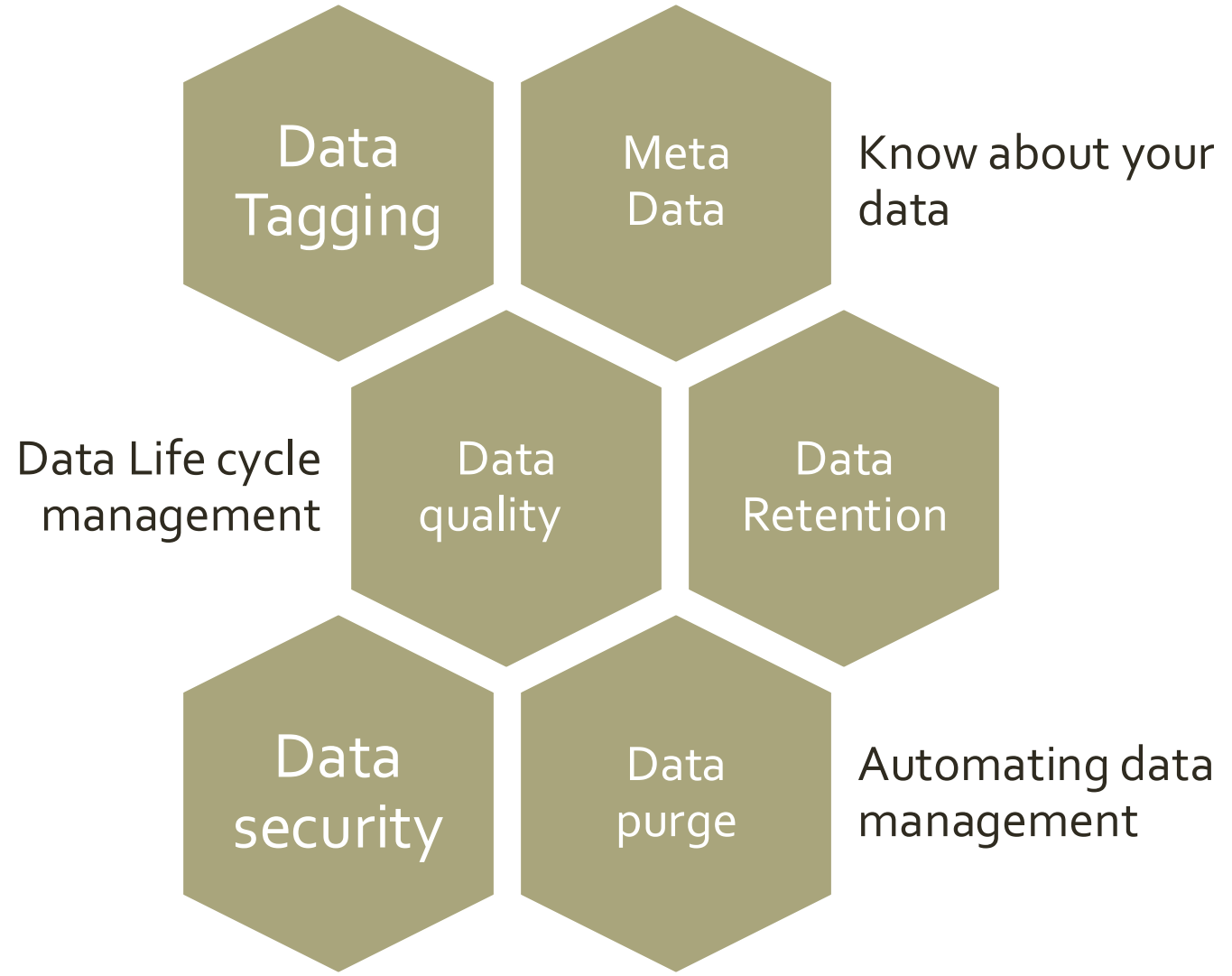## To DB query optimization

Serverless computing

containerization

Database optimization

Storage optimization

Batch processing of data

Cloud native solutions

Best Practices - Data

Data Tagging

Meta Data — Know about your data

Data Life cycle management — **Data quality**

Data Retention

Data security

Data purge — Automating data management

Take Aways

- Silos -> Collaboration
- Reactive -> Proactive
- Awareness -> Accountability
- People -> People & AI companions
- Operational -> Operational & Cultural
- Early adoption -> Early adoption and continues improvement
- Discipline in cloud cost -> Sustainable development

Thank you
&
Questions