

How to Integrate Systems Without Creating a Mess

Doing More With Less

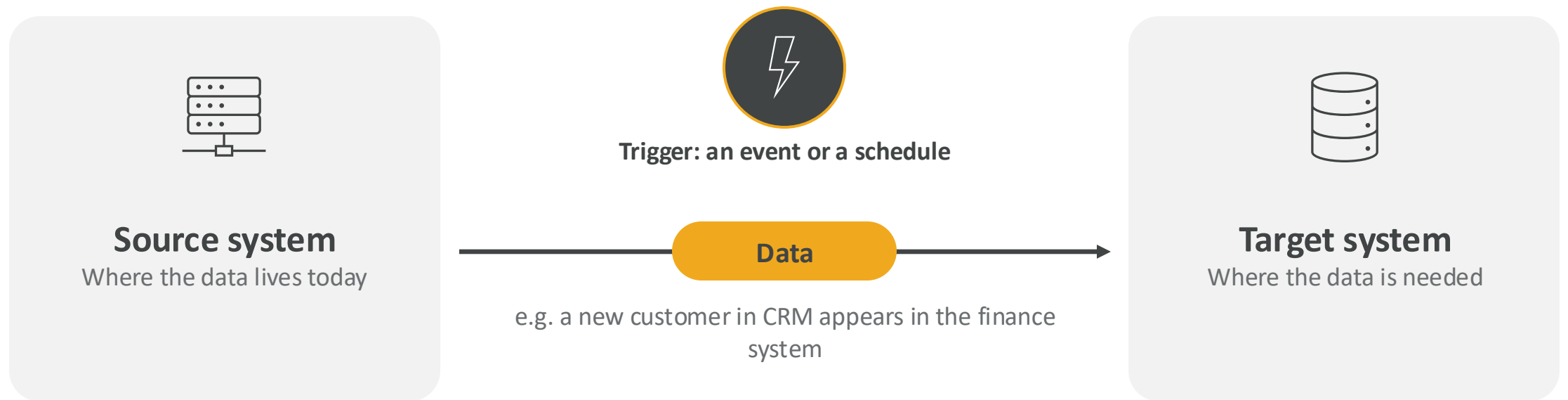
Welcome: Lunch and Learn



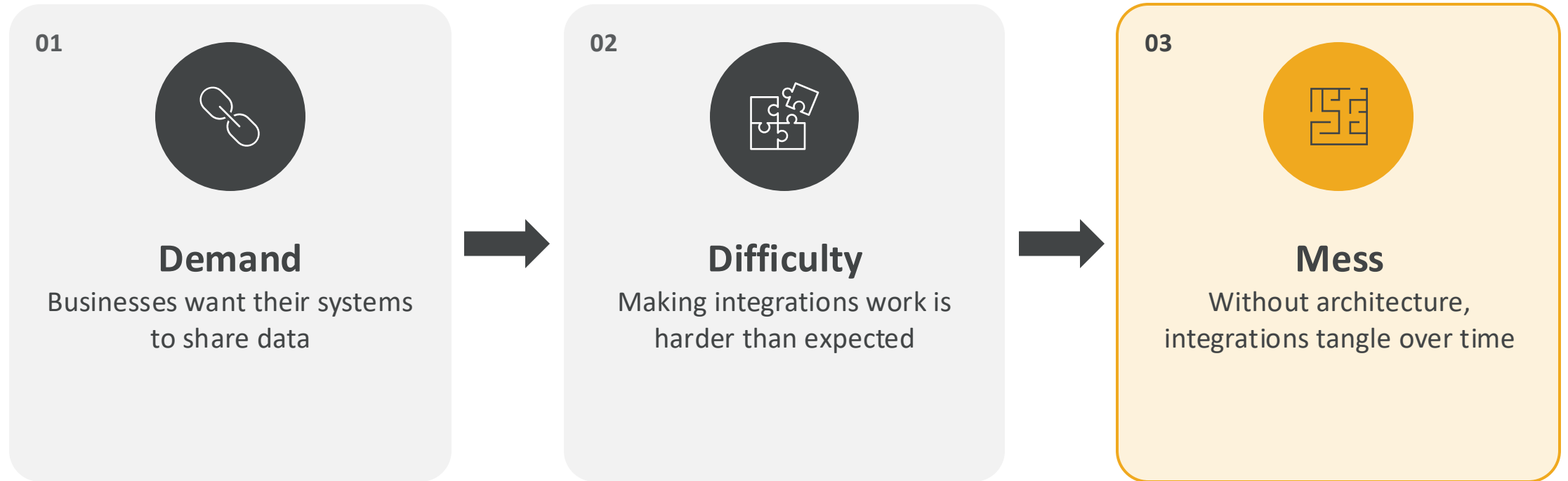
- Dialogue
- The recording will be available on our website
- Introductions

What is integration?

Integration moves data from one system to another when a trigger fires.



Why is it a big deal?



Why it is so difficult?



Silos carry over

Business silos are translated into systems silos



No single owner

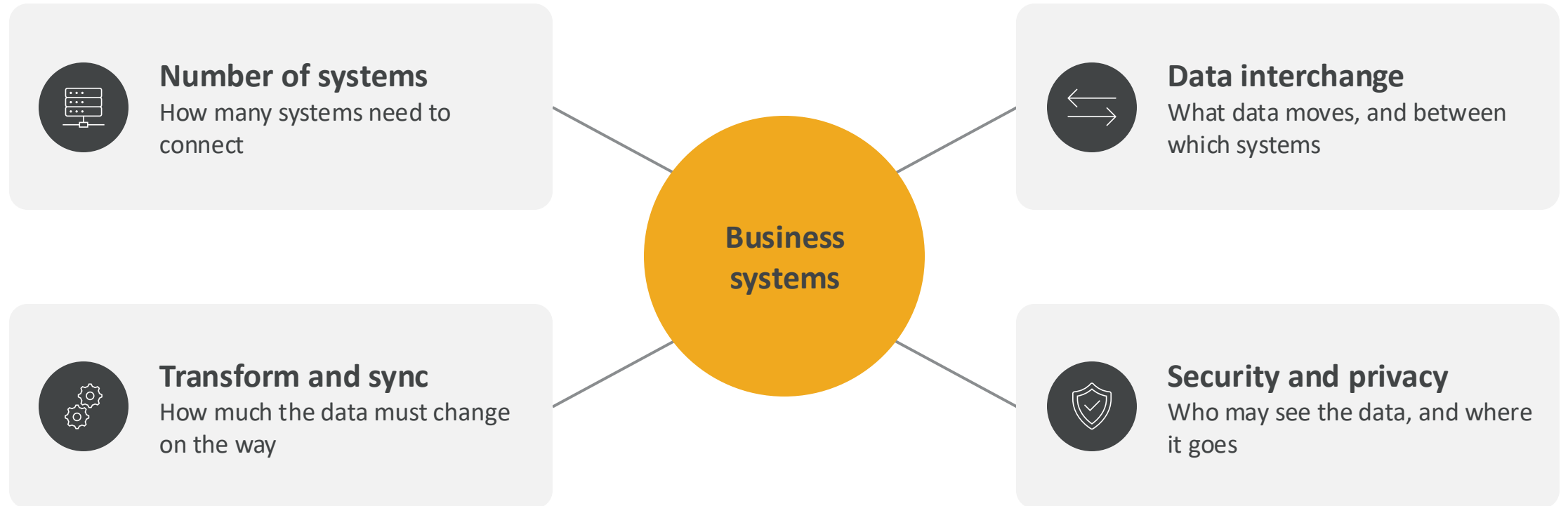
No one owns a holistic view of the business systems



Manual work becomes normal

Teams get used to manual processes over time

Holistic view of Business Systems



Holistic viewpoint of integrations



Purpose

Why does the other system need this data?



Master

Which system owns the data?



Direction

One-way or two-way?



Frequency

How often must the data sync?



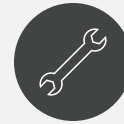
Timing

Synchronous or asynchronous?



Trigger

What starts the integration?

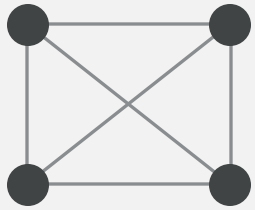


Exceptions

How are errors handled and reconciled?

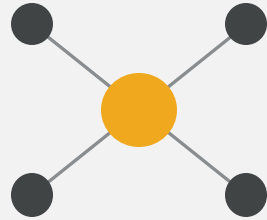
**The answers decide
the architecture**

Architecture viewpoint: Open options!



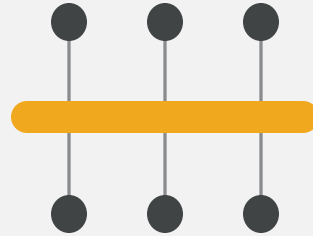
Point-to-point

Direct links. Quick for a few systems, a tangle as more are added.



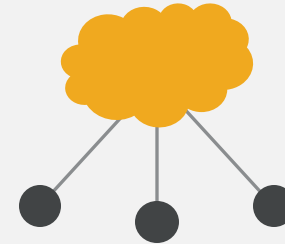
Hub-and-spoke

A central broker routes data. Each system connects once, to the hub.



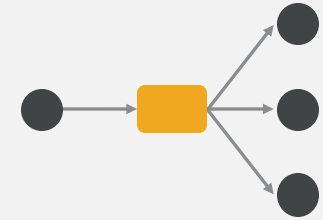
ESB

An enterprise service bus handles routing, transformation and orchestration. Common on-premise.



iPaaS

Cloud middleware such as Boomi, MuleSoft, Azure or Workato. The usual choice for cloud and hybrid.



Event-driven

Systems publish events like “invoice approved”; subscribers react. Loosely coupled and scalable.

Integration Strategy: Focus Points

A sound strategy rests on four pillars



Business needs

What the business needs the integration to do



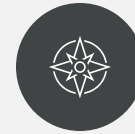
Capability

People and skills to build, support and maintain it



Constraints

Budget, technology and timeline

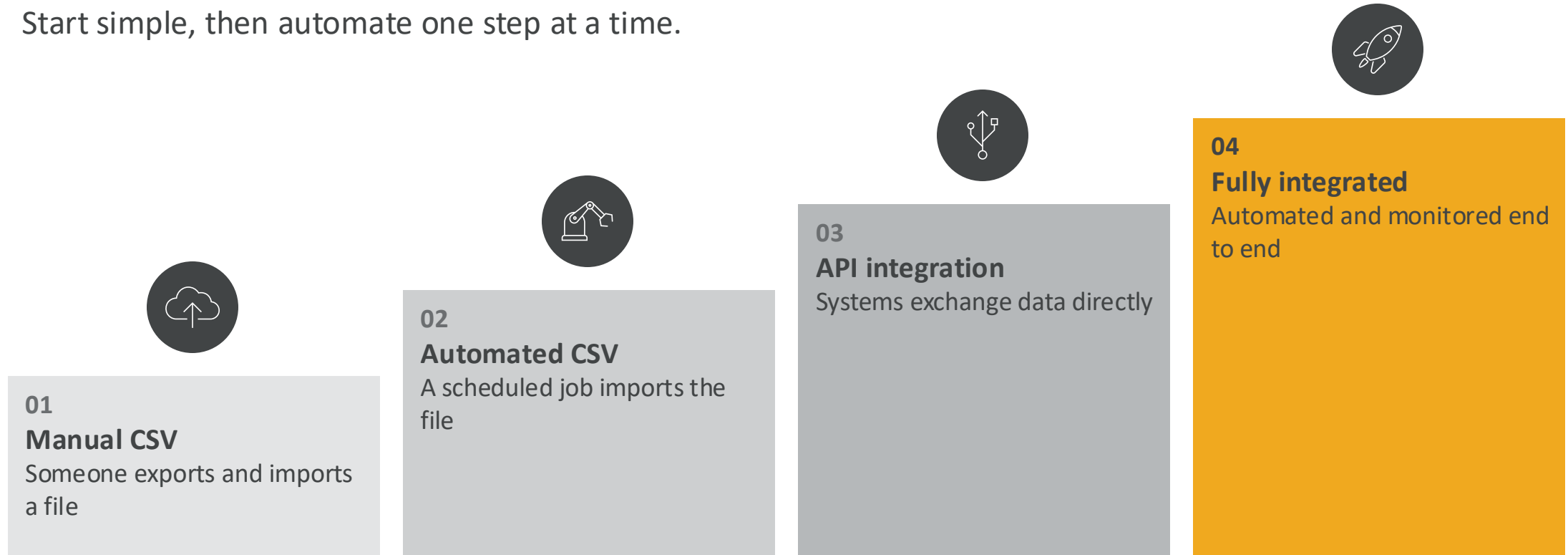


IT strategy

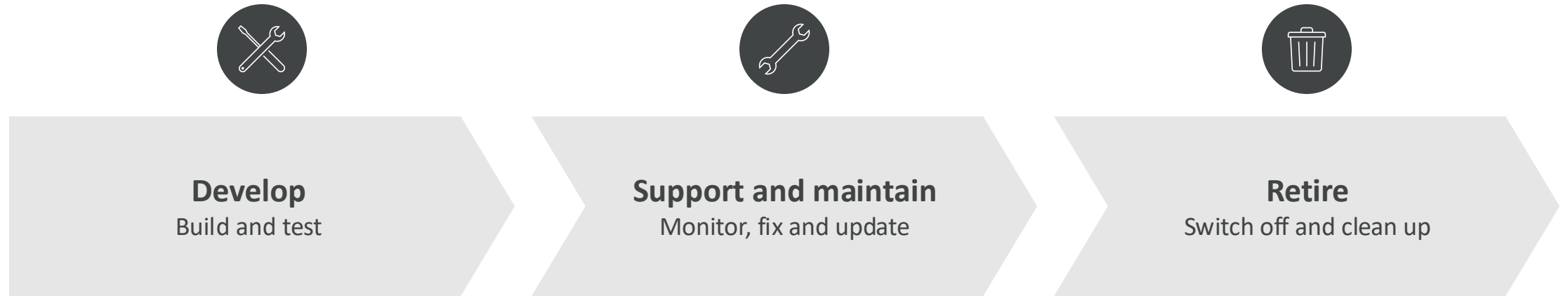
Fit with the overall IT direction

Keeping it simple

Start simple, then automate one step at a time.



Integrations are products



Clear ownership throughout the lifecycle

One named owner from first build to retirement

Closing thoughts

- Integrations Management is a discipline
- We need an owner to make it work
- Start with a holistic view and break it into small steps

