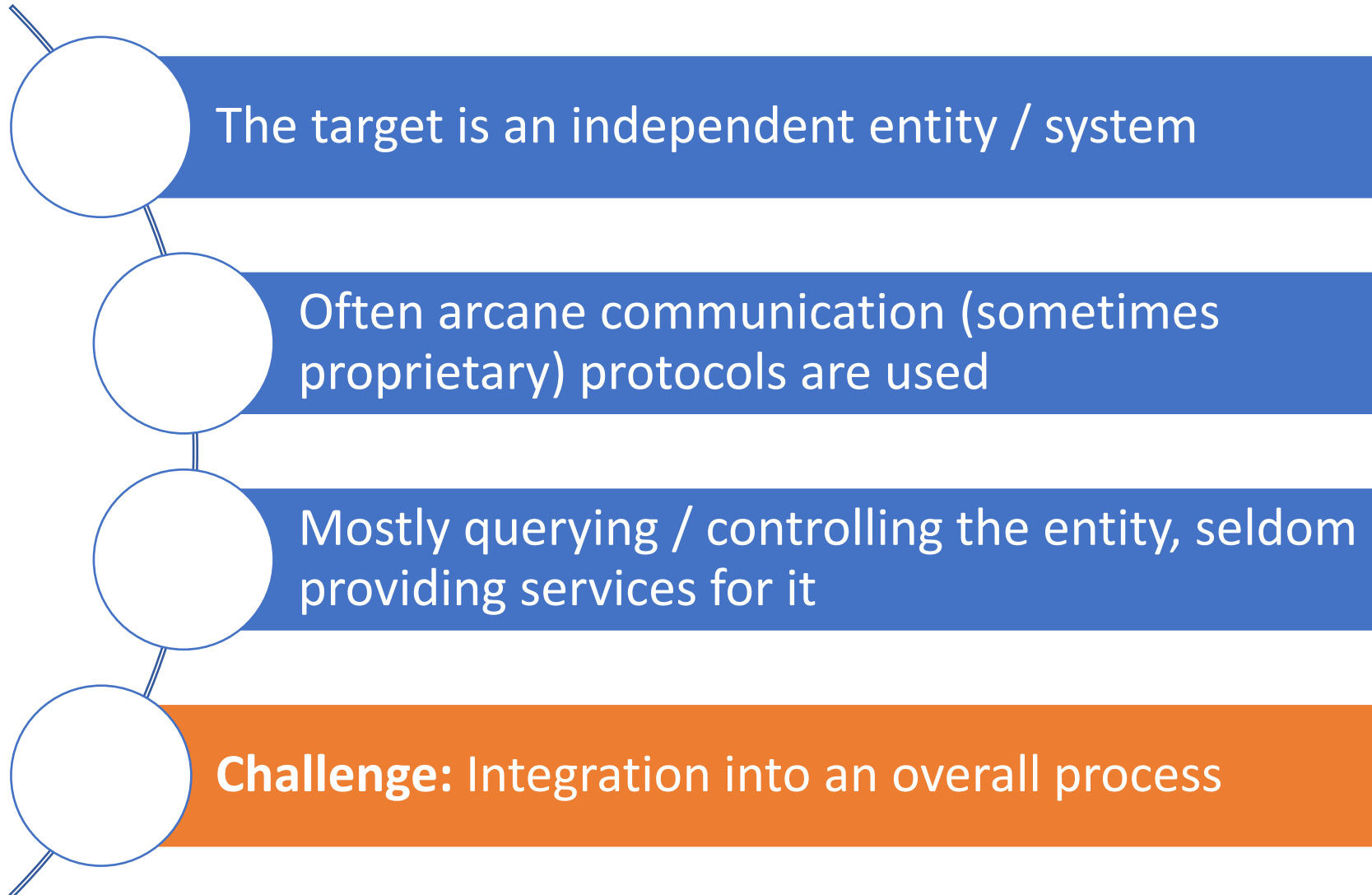


Legacy Systems and Programming for Devices



Michael Glienecke

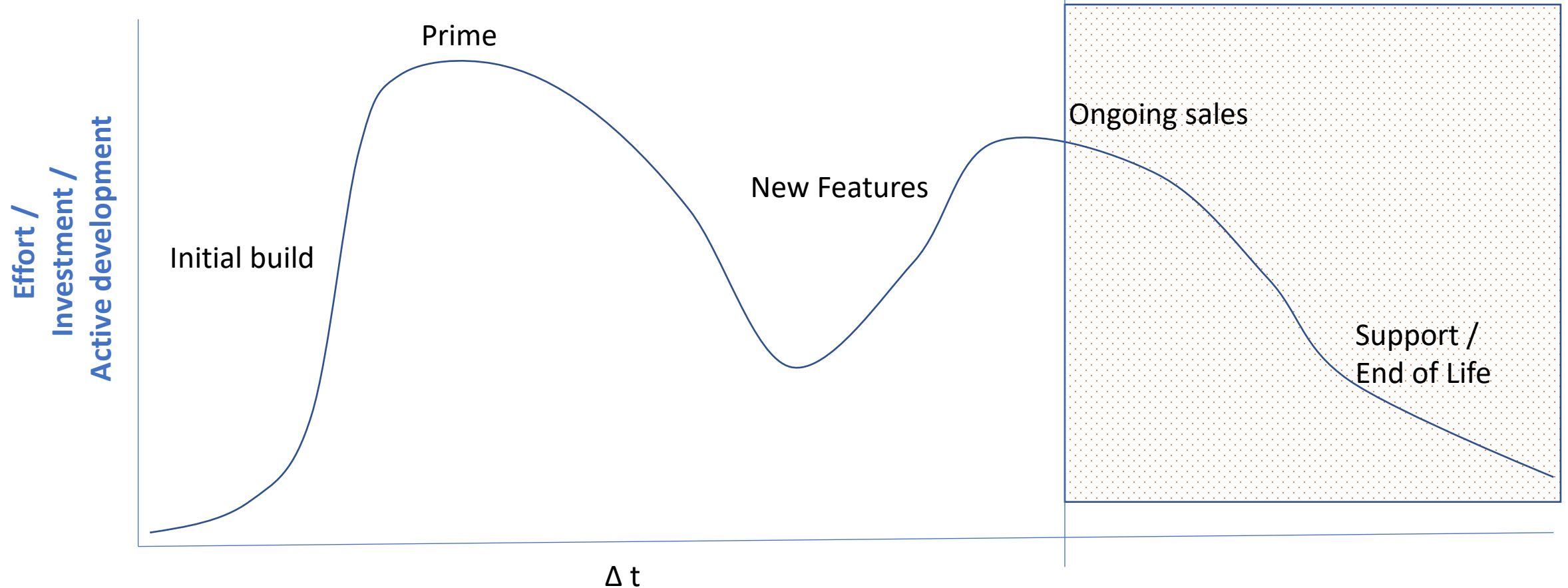
Legacy Systems and Programming for Devices have many things in common



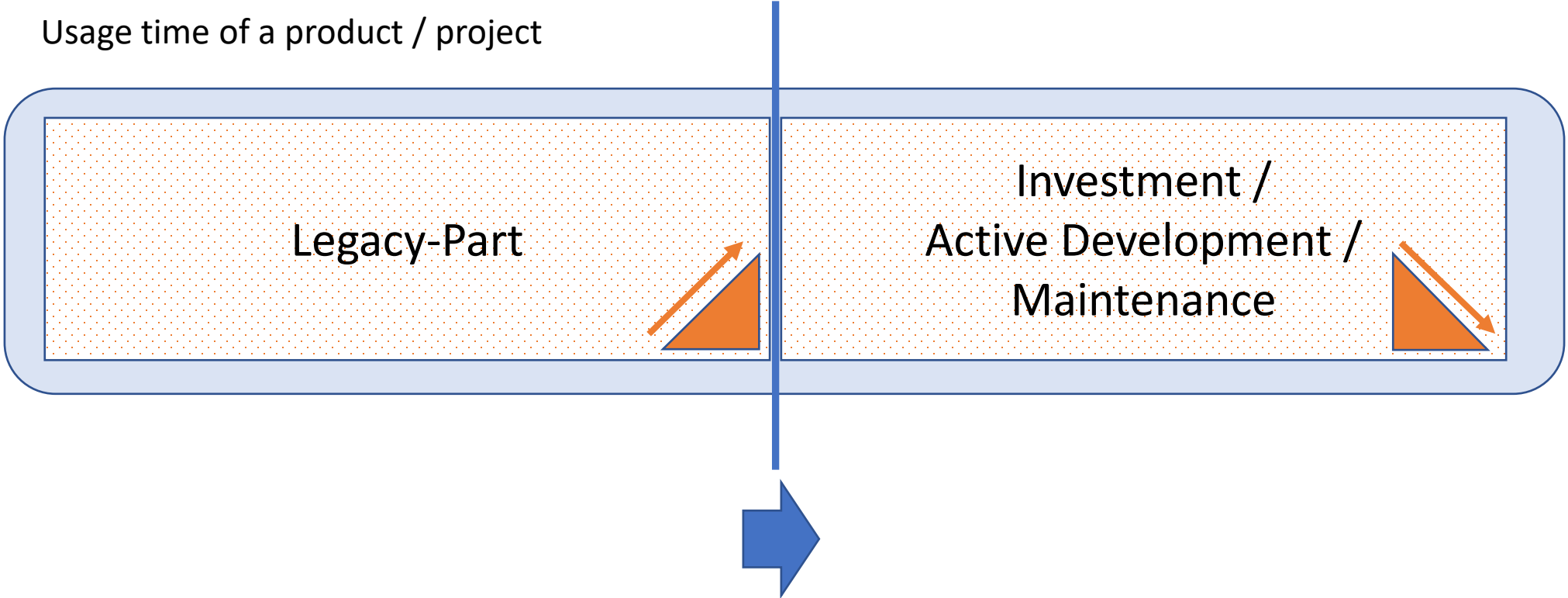
So is legacy only about mainframes and some weird old systems?

No - Legacy is anything which is no longer under active development -> technical dept

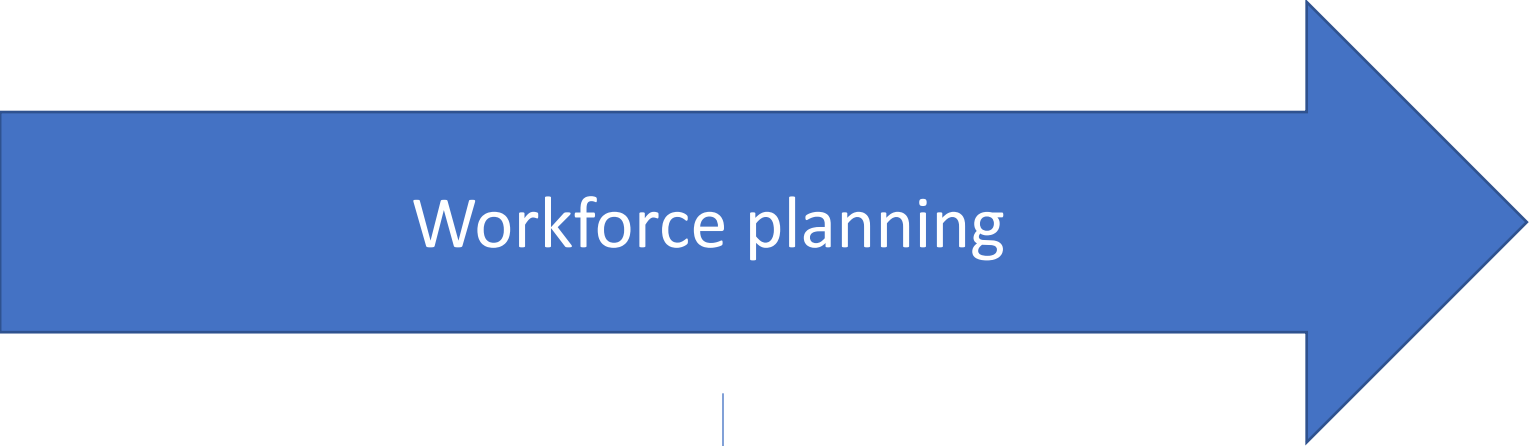
Typical lifetime of a product



Any (used) project / product will become legacy (a technical dept) over time



The big question is how to integrate legacy systems. A real-world Example

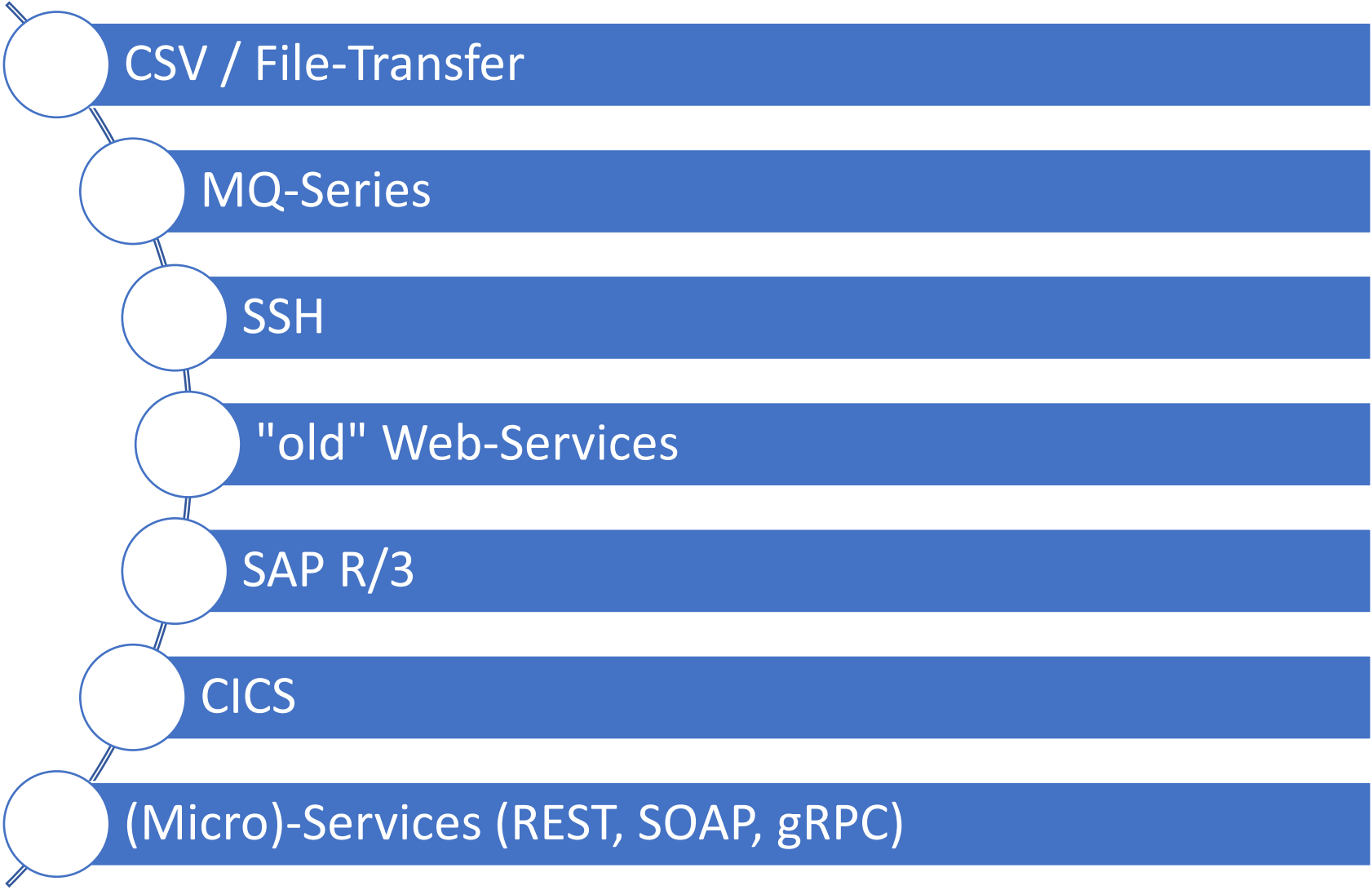


CICS Transaction Gateway (SOAP)

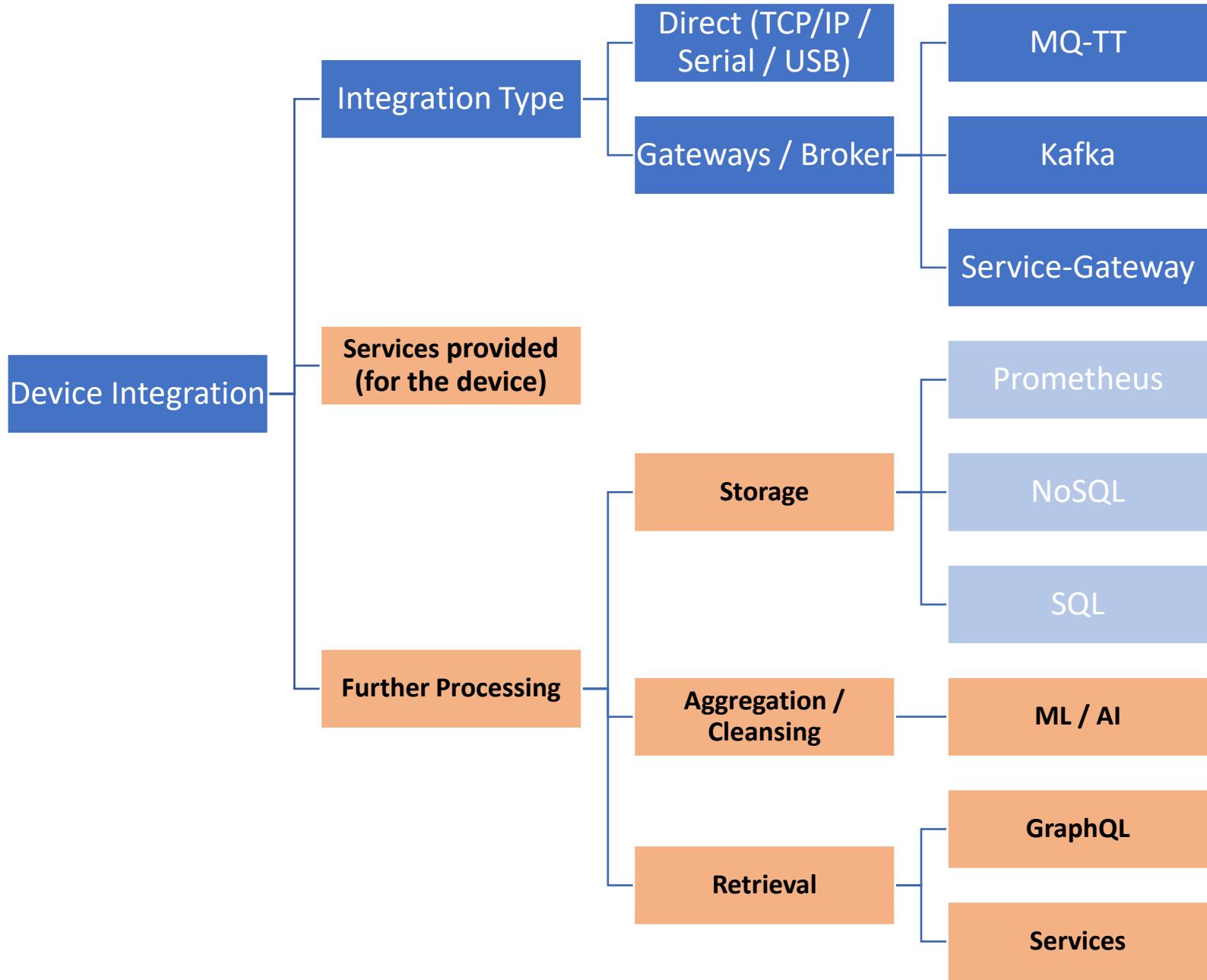
IBM zSeries

Time-Tracking-System
Logged hours of workers
(who is present in which shift)

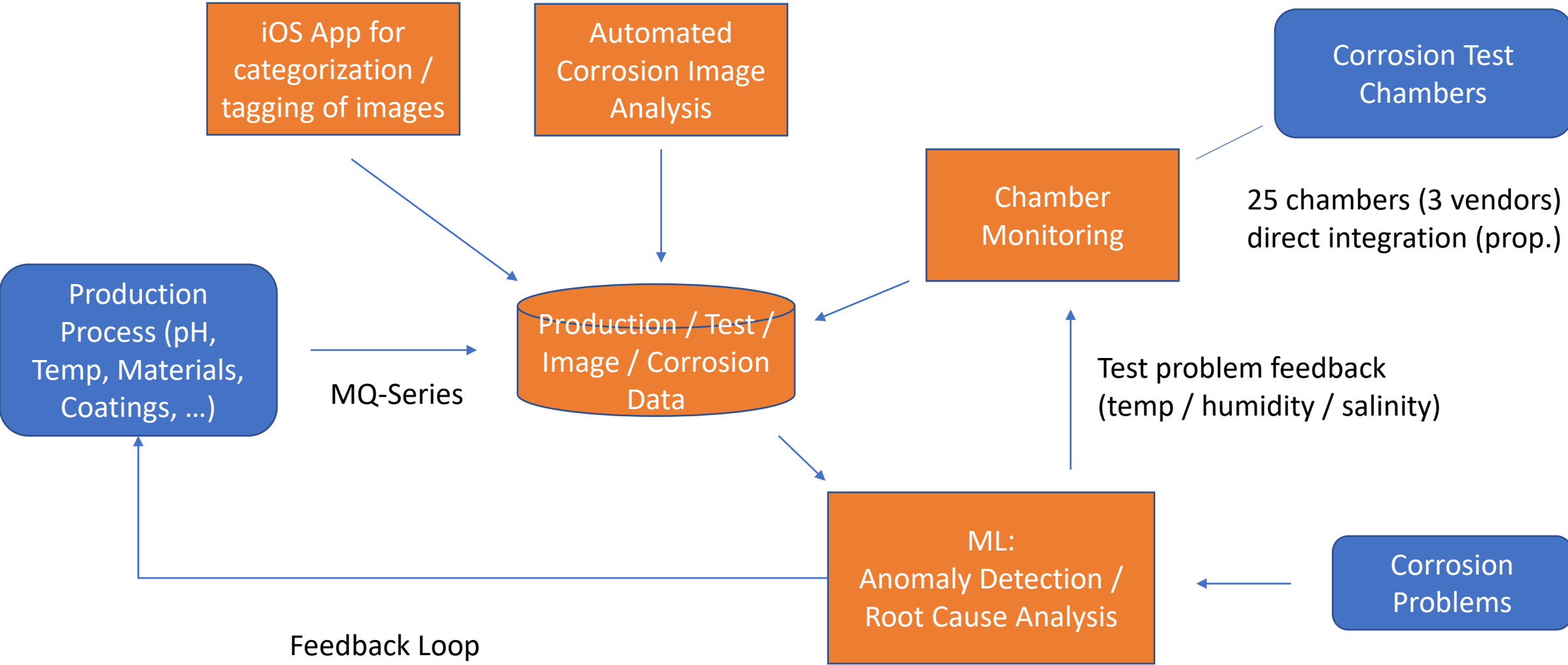
The most common legacy integration technologies



Device integration has many facets to consider



Example of integrating devices (corrosion center / production feedback workflow) and legacy (production process)



The Take-Away... Focus less on technology, more on use-case, integration and process

- Protocols, hardware, technology can be fixed and solved
Nonetheless, good craftsmanship is important
- Business processes (-> Industry 4.0) are paramount
- Use (Micro)-Services for integration