# Planning an ODC migration
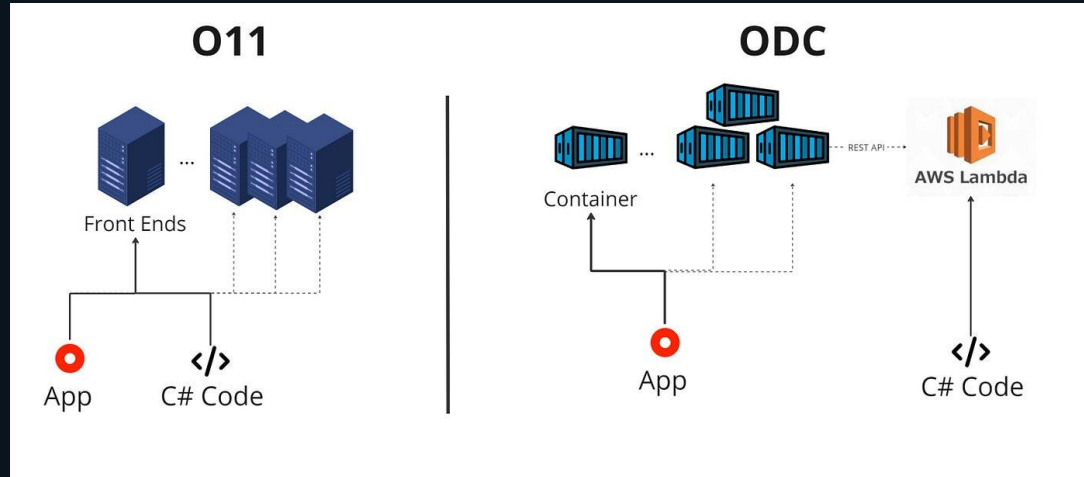
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# Planning an ODC migration

Migrating to ODC

is essentially embracing

microservices architecture

# The 4 milestones



| ① O11 app portfolio assessment | ② Code Preparation | ③ Code Migration | ④ Data Migration |
|---|---|---|---|
| Migration Assessment Tool | Service Studio | ODC Migration Console | ODC Migration Console |

Automated assessment
or
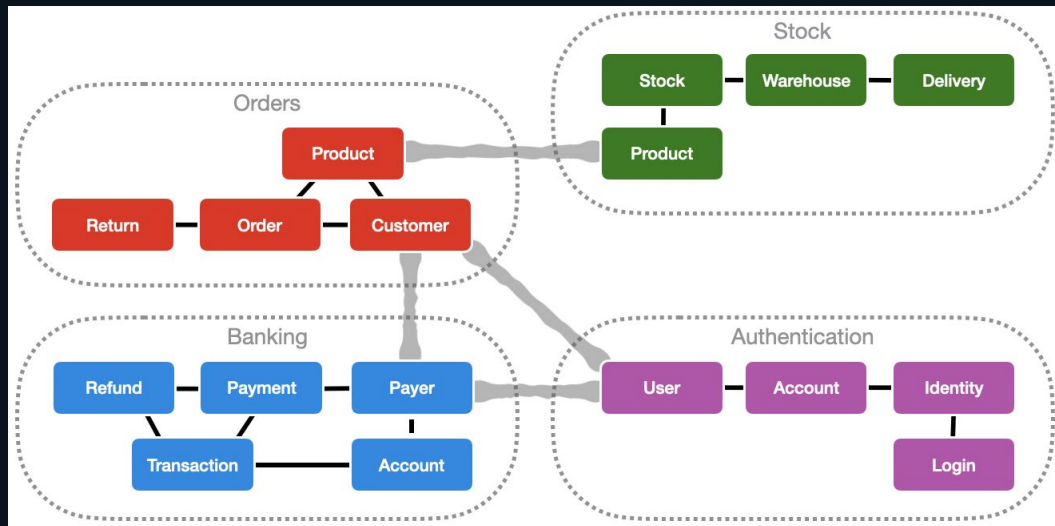Expert assessment

Steps to bring your O11 applications closer to ODC architecture

# 1. Adopt the architecture canvas best practices

- Helps isolate concepts and reduce dependencies between them



| User Processes | Customer Management | Loan Handling | Product and Services Mkt |
| --- | --- | --- | --- |
| Business Concepts | Inventory | Contract | Customer |
| Utilities and Integration | ERP | Common Layout | Auditing |

# 2. Adopt domain-driven architecture

- Helps further isolate applications into Domains
- Domains can, in principle, be weakly connected via a service layer
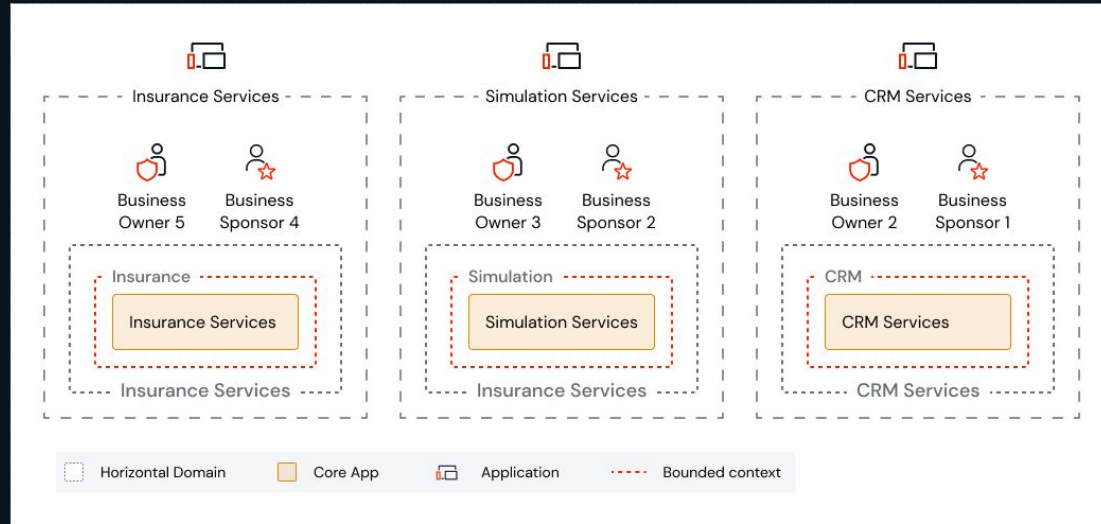
# 3. Validate your application architecture

- An automated tool will be able to analyse your architecture, and report on how ODC-ready it is
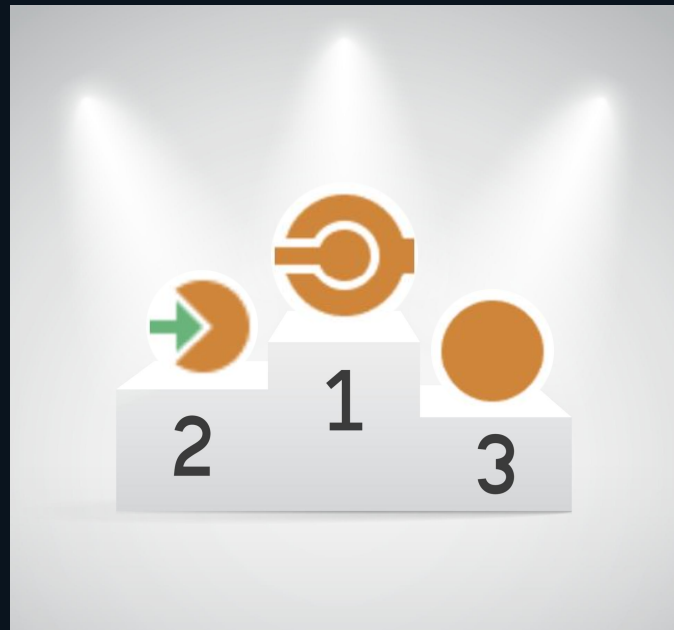- This tool is still under construction

# 4. Map O11 domains to ODC apps and libraries

- Finally, change your O11 applications to comply to a Domain Driven Architecture
- Separation between Application, Service and Libraries

# 5. Refactor your architecture

- Switch communication between applications to use service actions, instead of server actions

# 6. Make your applications ODC-compatible

- Some features work differently in ODC, and might need to be adapted in your applications
    - Extensions
    - Access to database entities
    - Roles and user management
    - ...

# 7. Refactor code patterns

- Some features remain unsupported in ODC
    a. BPT (business processes)
    b. SOAP services