Progress Application Transformation Methodology

Spark some life into your application

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What’s Hot Out There....

IT Trends that are driving business growth

- Cloud-based application (SaaS) and platform services (PaaS)
- Mobile devices
- Demand for new business functions, quicker
- New UI Technology
- Social media

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Application Transformation

What does this mean?

- Business Functions must be isolated and reusable
- Provide Business Functions as Services
- Allow for multiple User Interfaces
- Ability to deploy the application in the Cloud

Legacy applications must be re-architected and refactored to be OERA compliant.

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Application Transformation

How?

“Preserve and Extend” Not “Rip and Replace”

- Less costly and less risky
- Capitalize on the application’s strengths
- Address the application’s limitations
- Work can co-exist with legacy application

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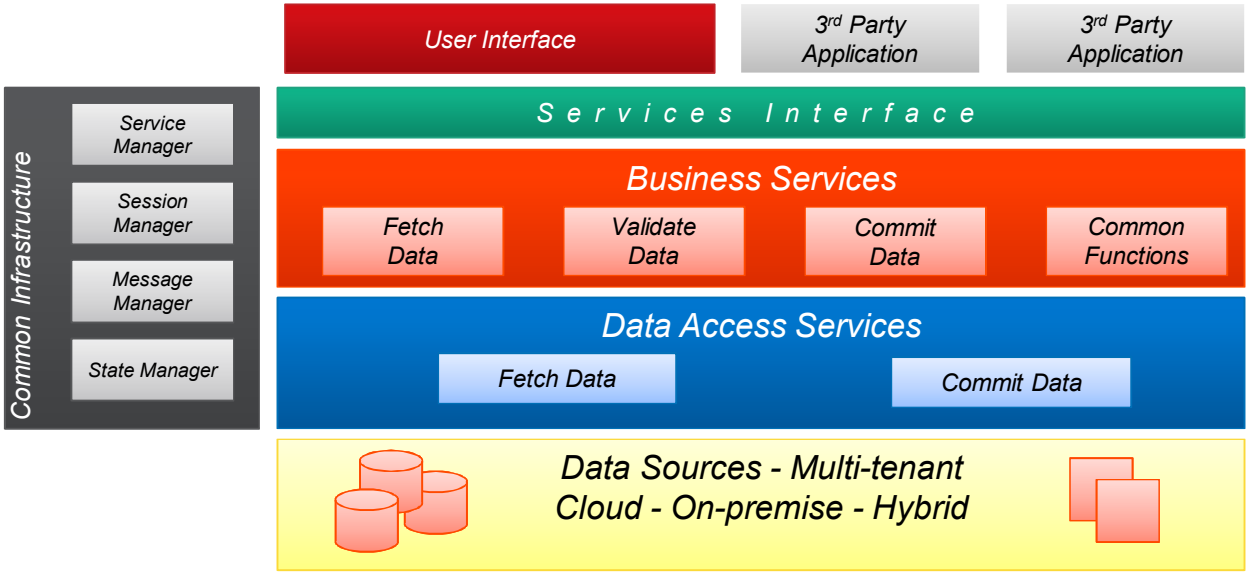
Application Transformation

Re-architect and Refactor legacy applications based on OERA

- Business Rules isolated
- Service Oriented
- Multi-tenant ready
- Deploy in the Cloud
- Multiple User Interfaces and Mobile access
- Corticon business rules to create dynamic, customized logic



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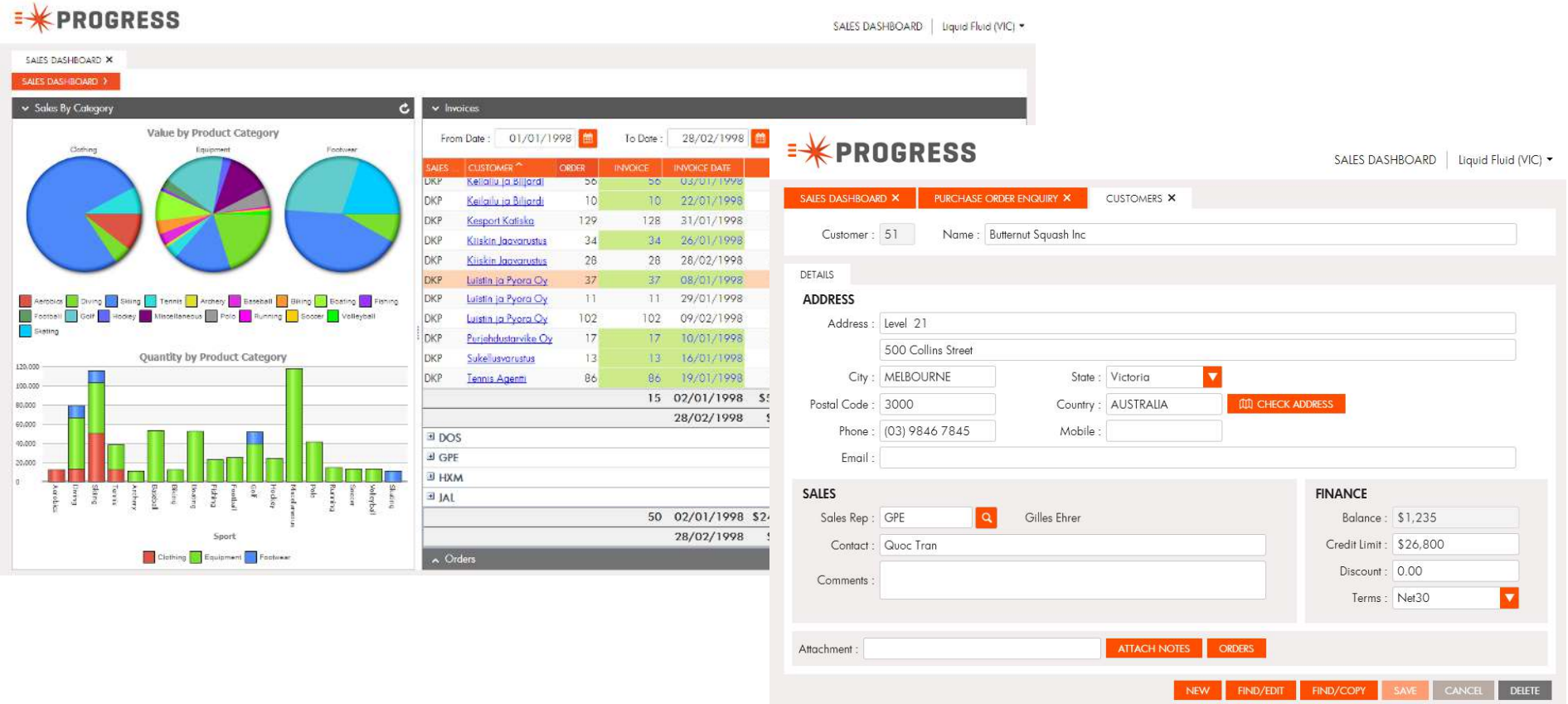
Key Concepts and Demonstration



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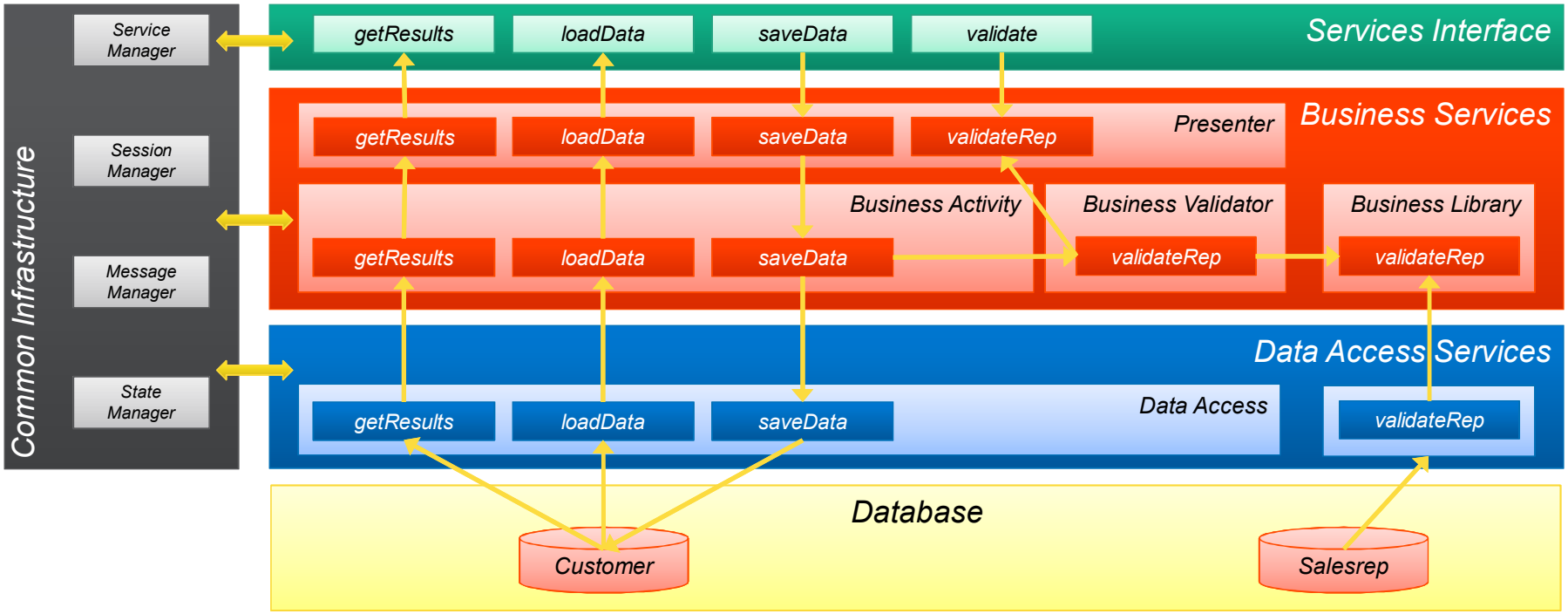
Spark – SOA (server-side presentation controller)



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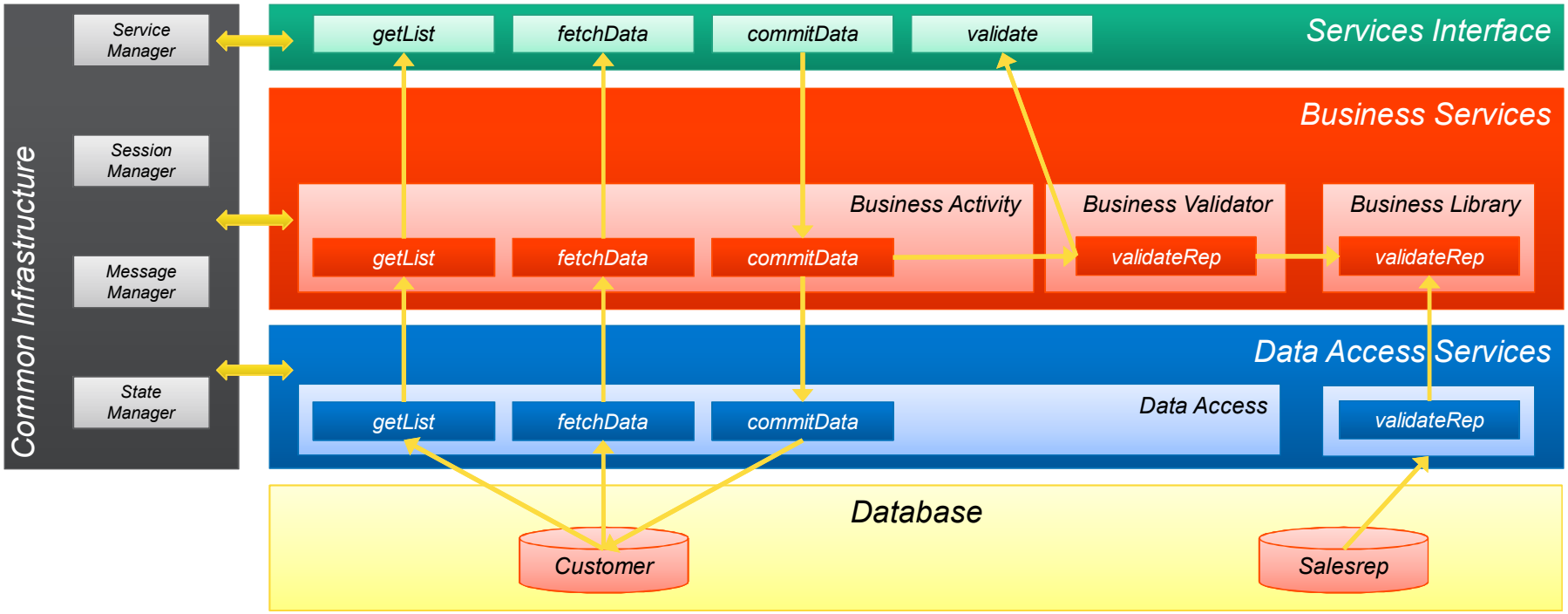
Spark – SOA (client-side presentation controller)



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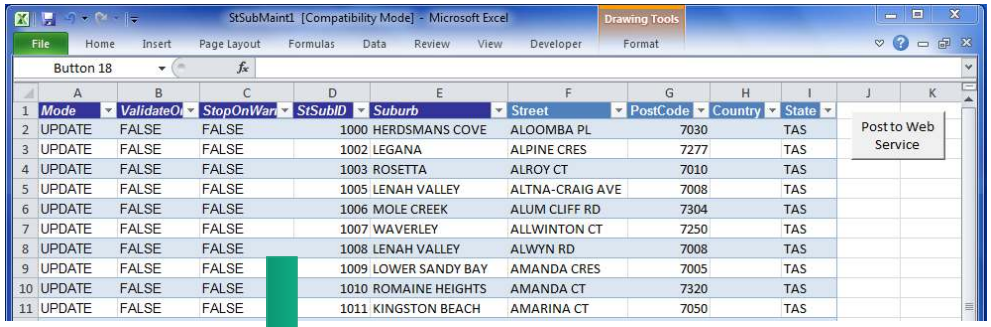
Spark - Integration

- Make Business Functions available as services
- Publish as web services



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3	UPDATE	FALSE	FALSE	1002	LEGANA	ALPINE CRES	7277		TAS
4	UPDATE	FALSE	FALSE	1003	ROSETTA	ALROY CT	7010		TAS
5	UPDATE	FALSE	FALSE	1005	LENAH VALLEY	ALTNA-CRAIG AVE	7008		TAS
6	UPDATE	FALSE	FALSE	1006	MOLE CREEK	ALUM CLIFF RD	7304		TAS
7	UPDATE	FALSE	FALSE	1007	WAVERLEY	ALLWINTON CT	7250		TAS
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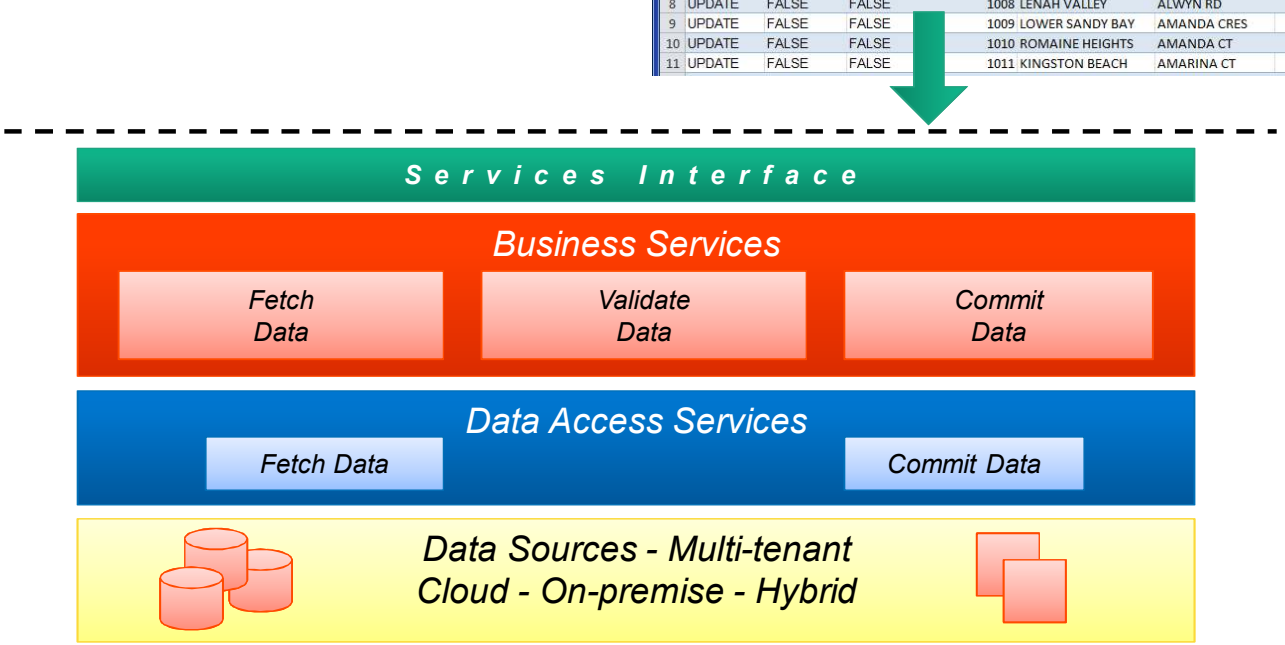

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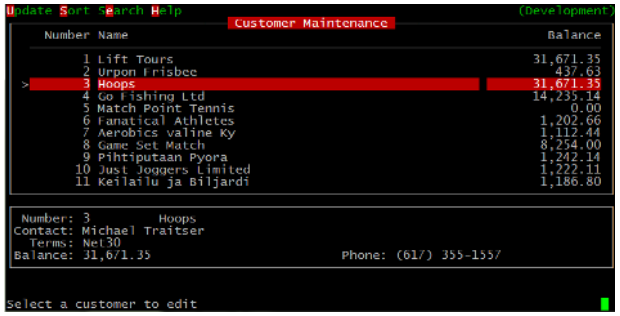
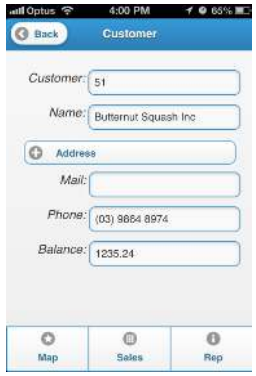
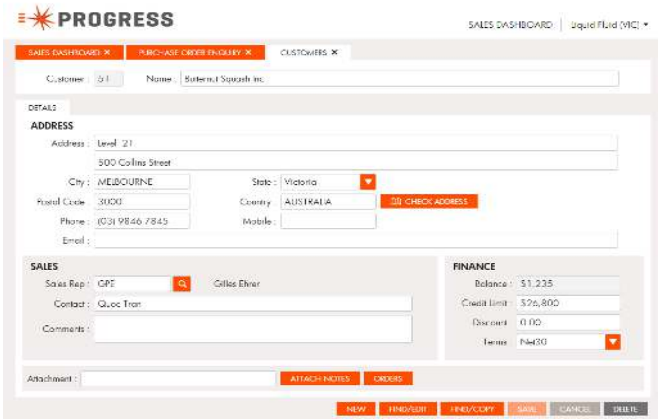
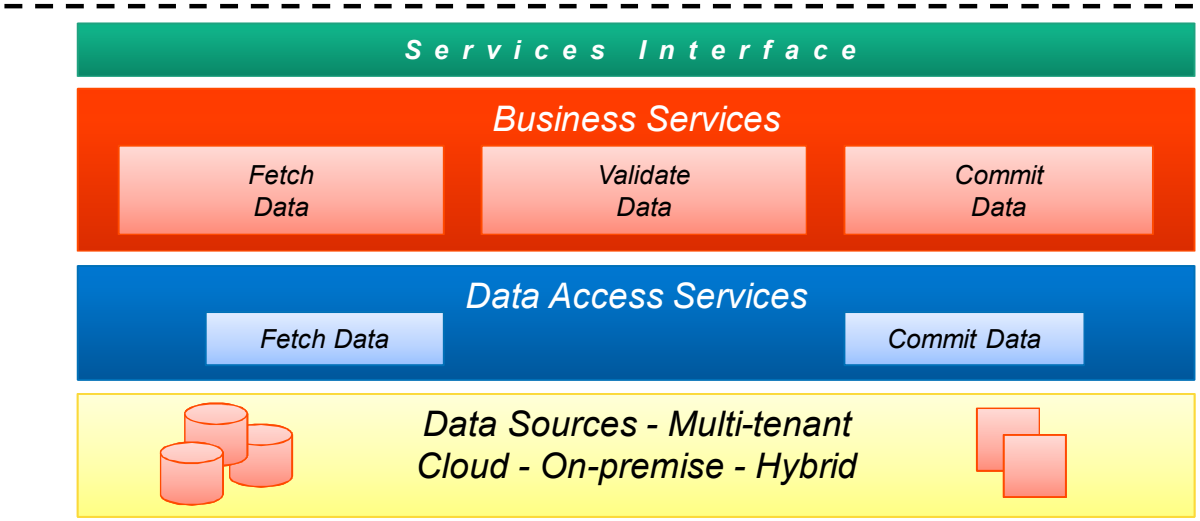
Spark - Multiple User Interfaces









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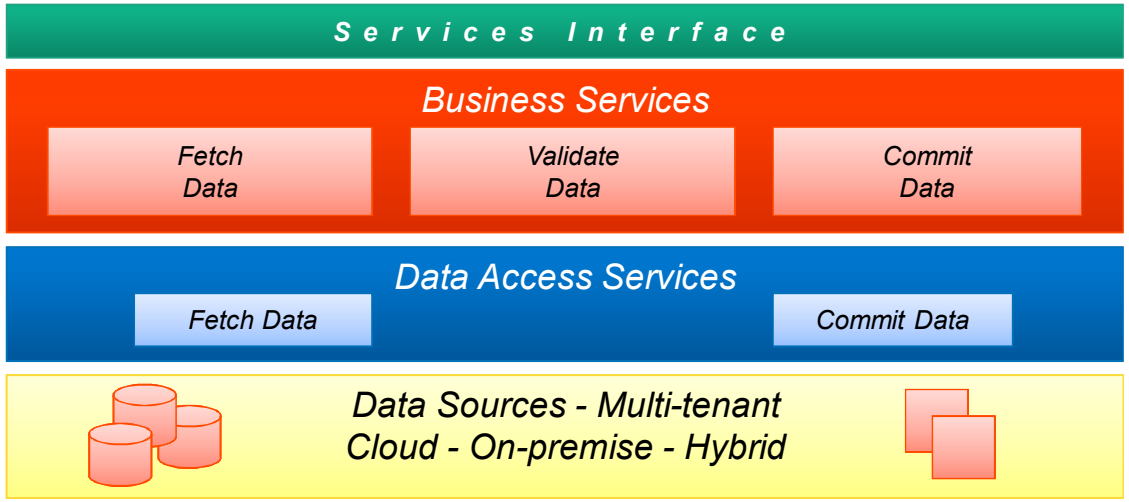
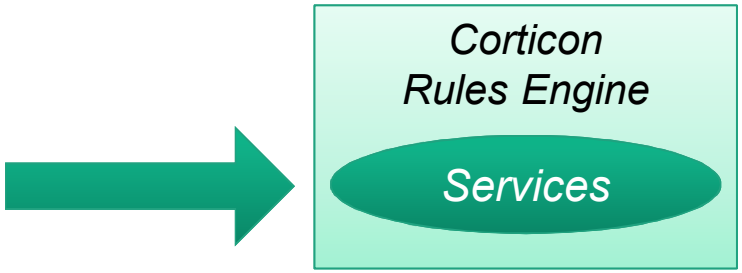
Spark - Business Rules

Move appropriate Business Rules to Corticon





- Business maintains IP
- Greater Flexibility
- Code free changes
- What if functionality
- Standalone testing

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Spark Toolkit

Consistent management of all the components of the application, maximize code reuse and achieve complete separation of UI from the Business Services.

- Provides the **structure and framework** for building an OERA application
- Contains the components and services that manage the **communication between the OERA layers**
- Contains flexible, extensible **common infrastructure services** such as Security, Session, State and Connection Managers
- Focuses on **isolation of business functionality** to maximise code reuse
- Manages the **communication with the UI and external applications** with an efficient and technology agnostic mechanism
- Achieves **complete separation of UI** from Business services
- Can **co-exist** with current legacy application
- It is built using OOABL and takes advantage of the **best of the 4GL and OO** paradigms

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Application Transformation – Key principles

- Isolate Business logic
  - Protect the IP of your application
  - Multiple User Interfaces, Any device, Any platform, Any cloud
- SOA
  - Easier maintenance through promoting code and function reuse
  - Combine services into new, composite applications
  - Allow access to business functions across platforms
  - Respond quicker and more cost-effectively to a changing market
- Corticon – Business Rules Management
  - Business develops IP with greater flexibility
  - Code free changes
  - “What if ..” functionality
  - Standalone testing of rules

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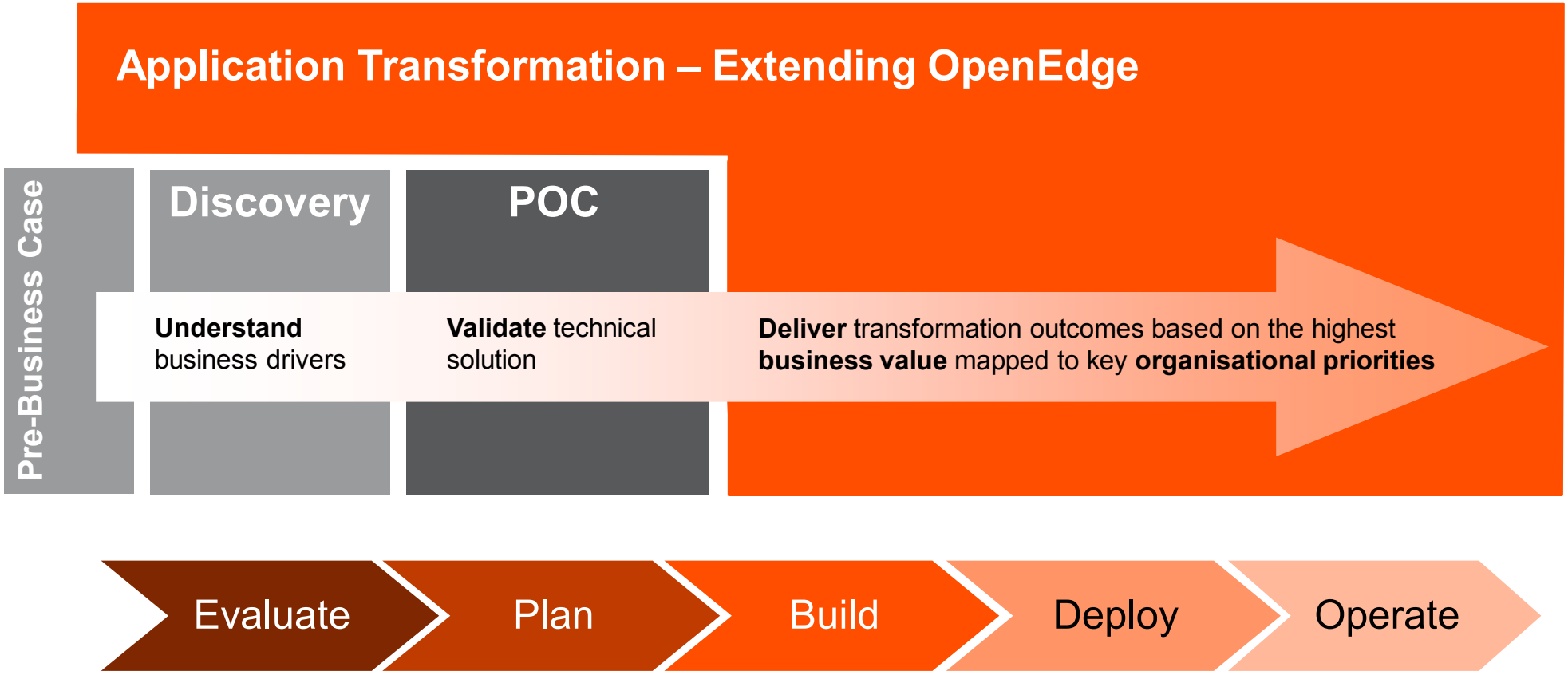
Approach



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Your Feedback Matters

Best Tweets

2 Winners get a GoPro Hero 4 Camera worth USD 399 each!

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Take 10 Surveys

2 Winners get a Microsoft Band worth USD 199 each!

Take 10 surveys and stand a chance in the lucky draw!

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