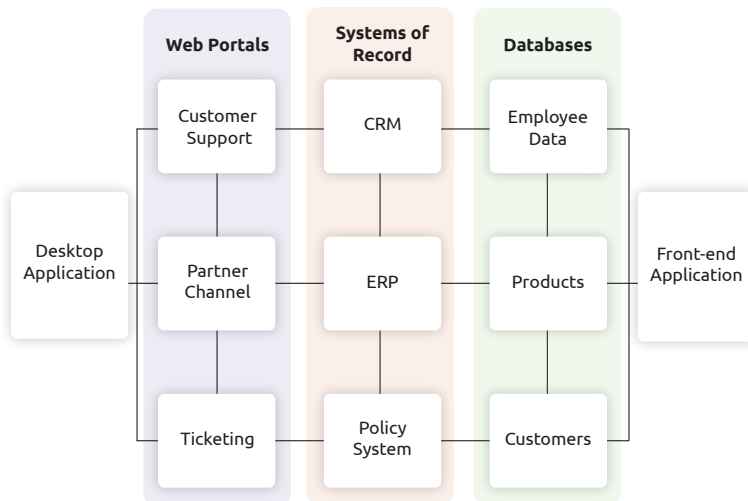# Modernizing Enterprise Ecosystems with Citizen Development

- How to modernize your architecture the BiModal way

- Why low-code and Citizen Developers are ideal innovation drivers

The current ecosystem

Web Portals

- Customer Support
- Partner Channel
- Ticketing

Systems of Record

- CRM
- ERP
- Policy System

Databases

- Employee Data
- Products
- Customers

Desktop Application

Front-end Application
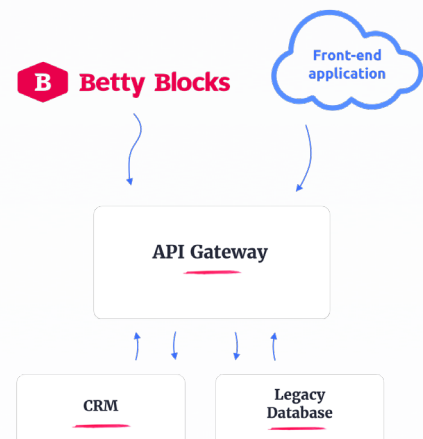
Growth brings new challenges

- Built around legacy systems
- Creates a spiderweb of dependencies
- Basic changes can interrupt business processes
- New technologies may not work with existing tech-stacks
- Reliant on experienced, full-stack developers
- Slow and difficult to innovate

Bimodal IT: Building smarter, not bigger

Through an API Gateway enterprises can create a dedicated innovation layer decoupled from the dependencies of existing legacy systems. Here, developers can build and implement composite applications using any technologies, without disrupting the existing ecosystem

Why go Bimodal?

- APIs read & write data between both layers
- Compatible with low- and no-code platforms
- Enables Agile development practices
- Simple 'plug & play' environment
- No risk of 'breaking' vital business applications
- Lower code complexity accelerates maintenance and updates

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Front-end application

API Gateway

CRM

Legacy Database

How to low-code in Bimodal architecture

Powered by low-code

- Visual interface with complex development features
- Custom code templates available for IT
- Compatible with almost all API structures (GraphQL, REST, Microsoft)
- Up to 8x faster than traditional development

Controlled centrally

- Block Store saves custom application elements
- Automatically deploy updates to all environments
- IT has full access control through roles & rights
- Provides an overview of all modules deployed by the organization

Modern software needs modern roles

Governed by IT

- Define overall innovation goals
- Develop guidelines for Citizen Developers
- Protect sensitive business information
- Update and maintain legacy systems
- Build a library of reusable features in the Block Store
- Focus on long-term innovation

Built by the business

- Investigate software needs of the business
- Rapidly develop solutions with no-code
- Approach IT to develop complex solutions
- Use sanctioned integrations to access business data
- Collaborate with IT to monitor and control projects

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