

# U.S. Bancorp Investor Day Technology Strategy

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# Technology: Enabling Efficiency, Productivity and Growth

We strategically deploy technology in service to our customers, our employees, and the growth and efficiency of the organization.



Artificial intelligence and machine learning



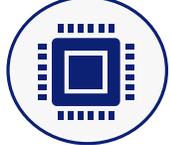
Robotic process automation and orchestration



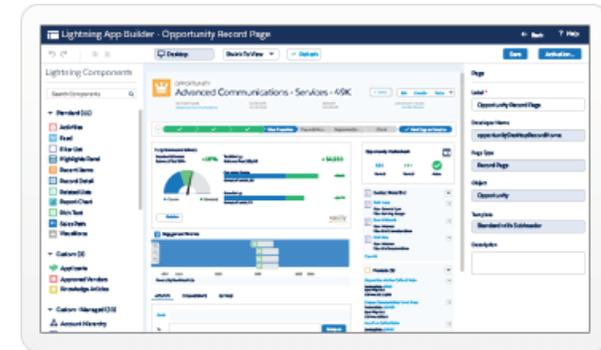
Data processing, aggregation and analytics



Secure cloud enablement



Application programming interfaces (APIs)

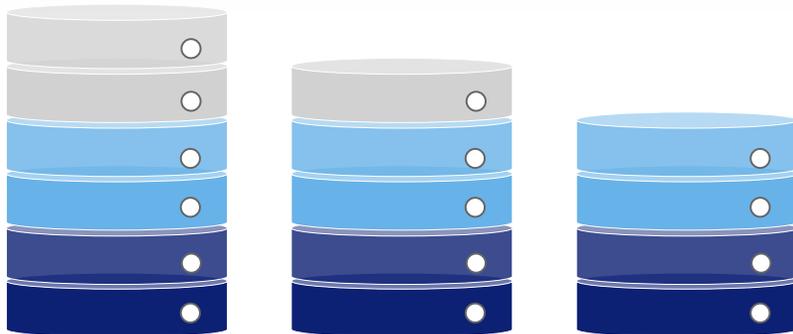


# Technology at Work “Above and Below the Glass”



## Above the glass: seamless customer experiences

Delivering **simple**-to-navigate, **consistent** user experiences along with information, insights and product offers that are **timely** and **relevant**



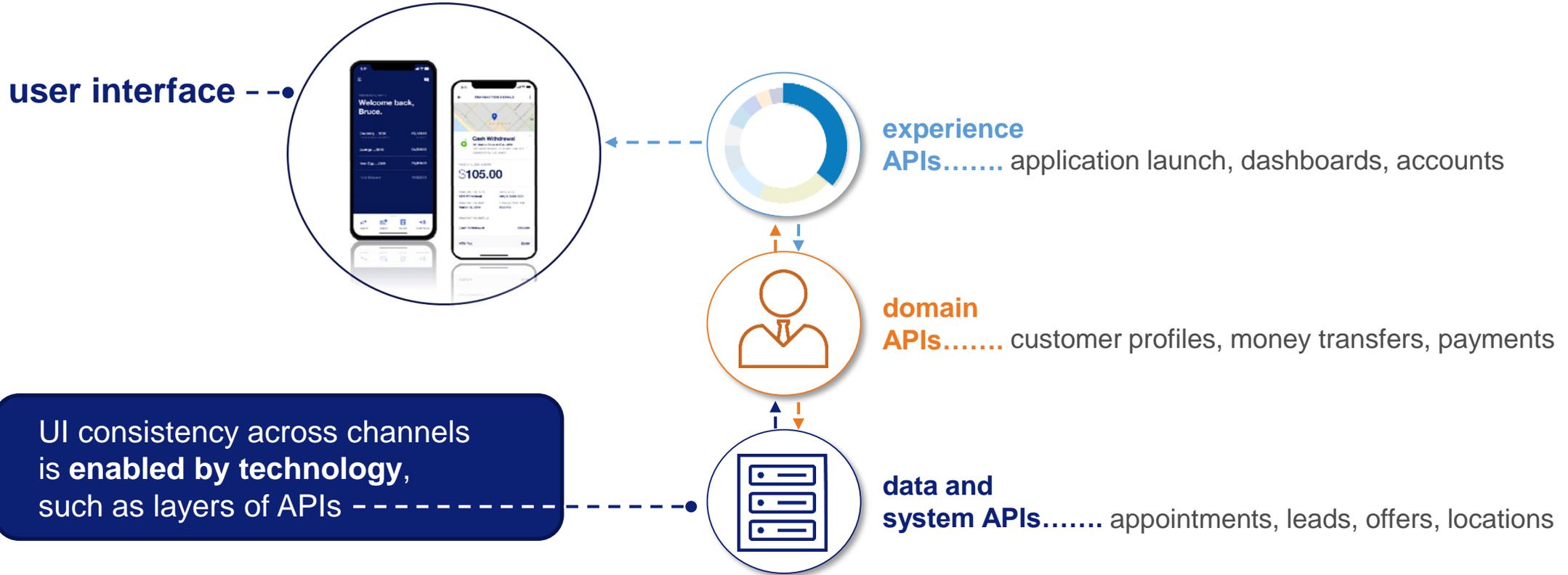
## Below the glass: core and enabling technology

Deploying resources in a **highly effective** and **cost-efficient** way for the benefit of the organization;

Enabling **rapid** and **flexible** delivery of technology services, data and intelligence to ultimately be leveraged for the benefit of the customer



# Above the Glass: Delivering an Exceptional Customer Experience



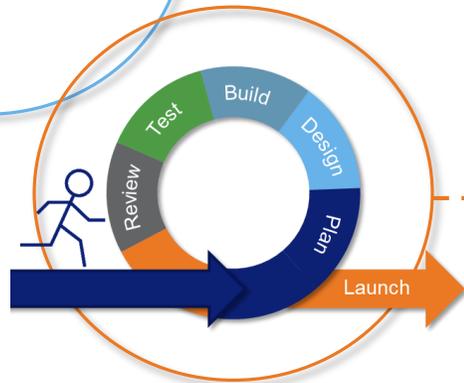
# Below the Glass: Our Ongoing Initiatives



• Continuing to modernize our architecture



• Further scaling our data, analytics and artificial intelligence infrastructure

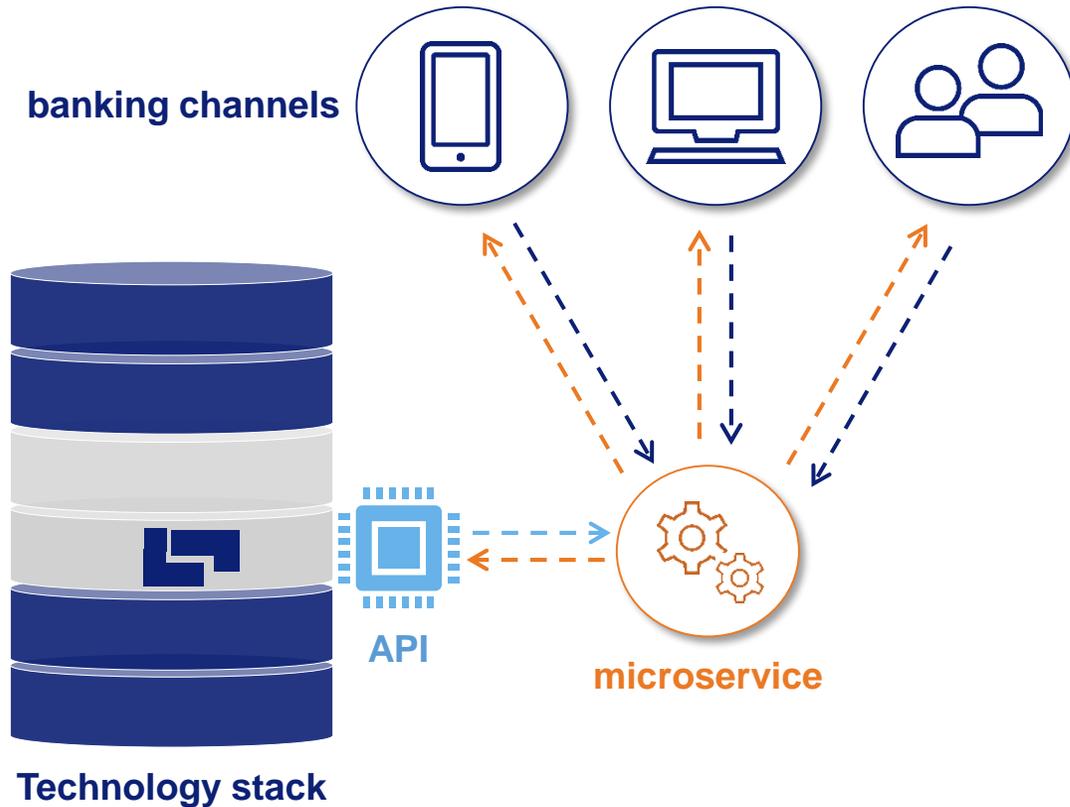


• Accelerating improvements in productivity and cost-efficient delivery



# Continued Modernization of Our Architecture

We are continuing to modernize our architecture, with an **increased focus on reusable shared services**.



By rebuilding more-frequently changing functionalities that had resided in our core applications and data structures as **modular micro-services**, we create reusable capabilities that are readily accessible across channels and customer journeys.

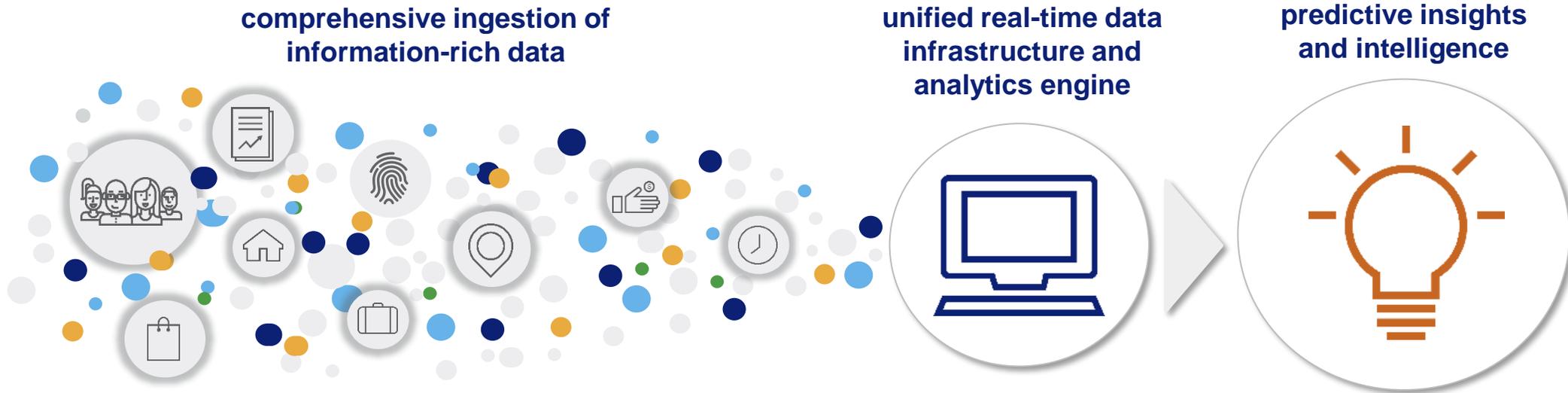
# The Impact of Modernization

During the build-out of our new mobile app, we upgraded key components of our tech stack to **support faster rollouts, easier upgrades and more robust future compatibility.**



# Further Scaling Our Data, Analytics and AI

We are further scaling our data, analytics and artificial intelligence capabilities to **maximize the accessibility and utility of our data.**



# The Impact of Robust Data, Analytics and AI

Responsibly leveraging data across all products and at every touchpoint allows us to **build more personalized and high value relationships with our customers.**



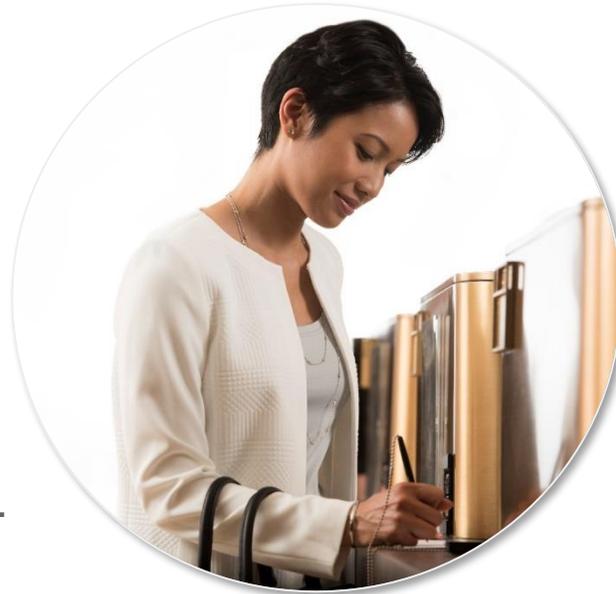
Would you like to try a simpler authentication method?



Your monthly Social Security deposit will happen in two days.



There is a transaction in your account that might be a duplicate. Can we help with that?



We see you've been traveling lately. A travel rewards credit card could earn you more rewards.



Your checking account balance is getting low. We can help you avoid an overdraft.

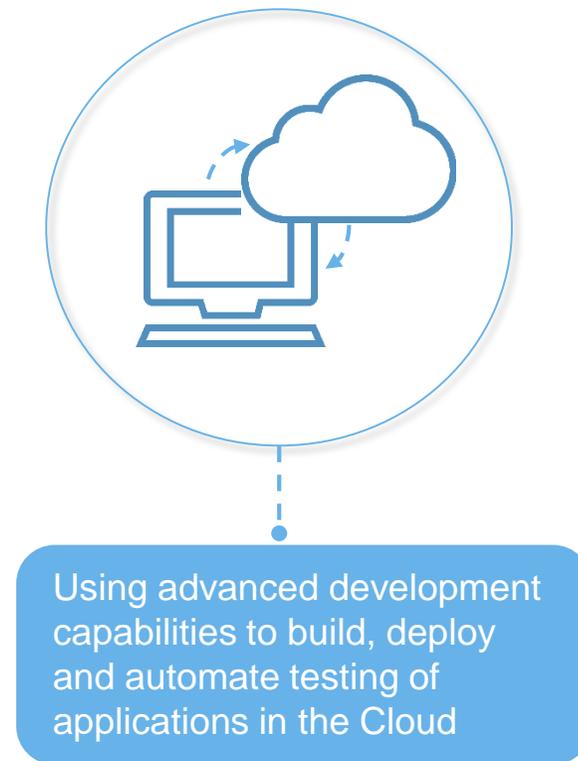
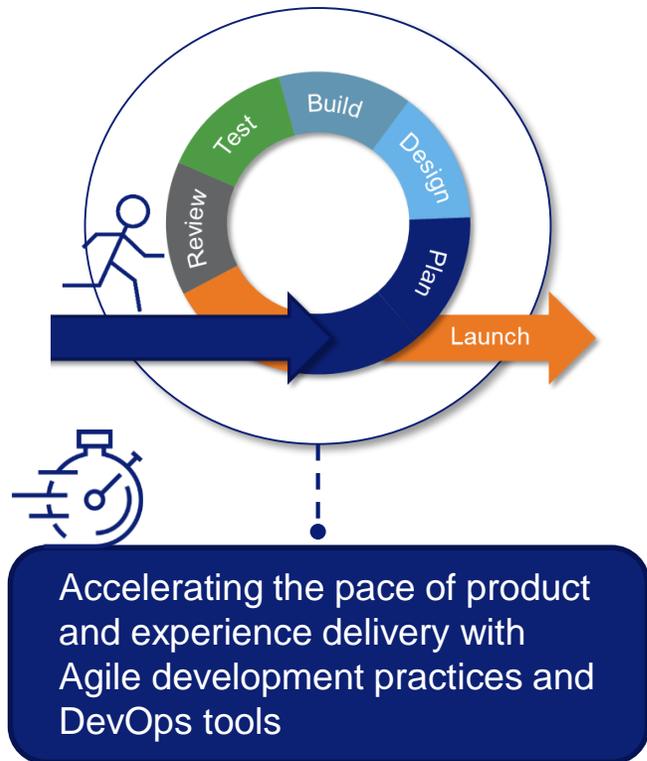


Here are some tips to help you maximize your retirement savings.



# Accelerating Productivity and Cost-efficient Delivery

We are accelerating advancements in productivity and cost-efficient delivery via **process enhancements, workforce and tools, such as the Cloud.**



# The Role of the Cloud

## Why Cloud?

- Speed to market
- Development productivity
- Cost optimization

## Our approach:

- Build new applications in the Cloud wherever possible; deliberately migrate existing apps
- Leverage the public Cloud's extensive tool set, scalable infrastructure and operating cost benefits
- Focus on comprehensive governance and controls to ensure security and safety



# Cybersecurity

We continue to innovate in the **cybersecurity space**, leveraging our investments in intelligence-driven, machine-speed information security techniques **to securely enable our digital-first strategy.**

**5 billion** data-level events processed daily

Use of **deep machine learning, analytics and AI** to identify event anomalies (e.g. insider threats)

Enables **near real-time automation and orchestration**

Integrated approach with **on-premise and Cloud security** and compliance



# The Impact of Changing the Way We Work



## Flexibility & Speed

Increasing the pace of innovation and accelerating our response to changing customer expectations



## Customer Obsession & Business Partnership

Anticipating new and emerging customer needs



## Scalability & Efficiency

Improving cost efficiency using smaller teams of highly skilled engineers while optimizing expenses



## Quality & Resilience

Remaining a bedrock of technology safety, soundness and customer confidence

