Speed and Secure Mobile Financial Services

Use of mobile devices for financial services is exploding across the banking, trading, and insurance markets. Organizations must scale their IT infrastructures to match demand while ensuring reliable service, protecting personal and corporate information, and maintaining regulatory compliance.

Responding to Exponential Growth

Globally, 114 billion mobile banking transactions occurred in 2012[1] and demand will only increase. Customers want access to their money and information about accounts, transactions, and claims on the go, in real time, and they won't tolerate delays. To stay ahead of the competition, financial services institutions must offer customers secure access across the spectrum of devices in an environment where milliseconds count.

Yet rapid growth has already overburdened many IT infrastructures, and attackers are constantly maneuvering to steal personally identifiable information or damage corporate reputations. F5 solutions help companies successfully navigate all of these challenges. The F5® BIG-IP® platform enables growth with a single, highly scalable platform that speeds performance, increases uptime, and delivers unified access control to enhance security, ensure compliance, and reduce costs.

The F5 Solution to Mobile Banking

F5 recognizes and tailors solutions to customers who demand secure, responsive, and accurate mobile access to their financial services. Through BIG-IP® Access Policy Manager® (APM), financial organizations can securely manage identity, as well as deliver the optimum experience to their customers based on their specific mobile device. F5 solutions go one step further with customer segmentation, ensuring VIP clients have access to the resources and support critical to their business needs.

When using mobile apps, fast response times contribute to the highest level of customer satisfaction, and BIG-IP® WebAccelerator™ provides a suite of optimizations focused on speed and efficiency. F5 TCP Express™ and device targeted caching offer fast upload and download times, all while requiring low bandwidth thanks to TCP connection multiplexing in F5 OneConnect™.

Continuous, consistent access through mobile devices is now the industry standard, and F5 delivers with BIG-IP Global Traffic Manager™ (GTM). Financial organizations can balance server load and provide high performance and tight security at any time of day, even amid constantly increasing traffic and bursts in demand.

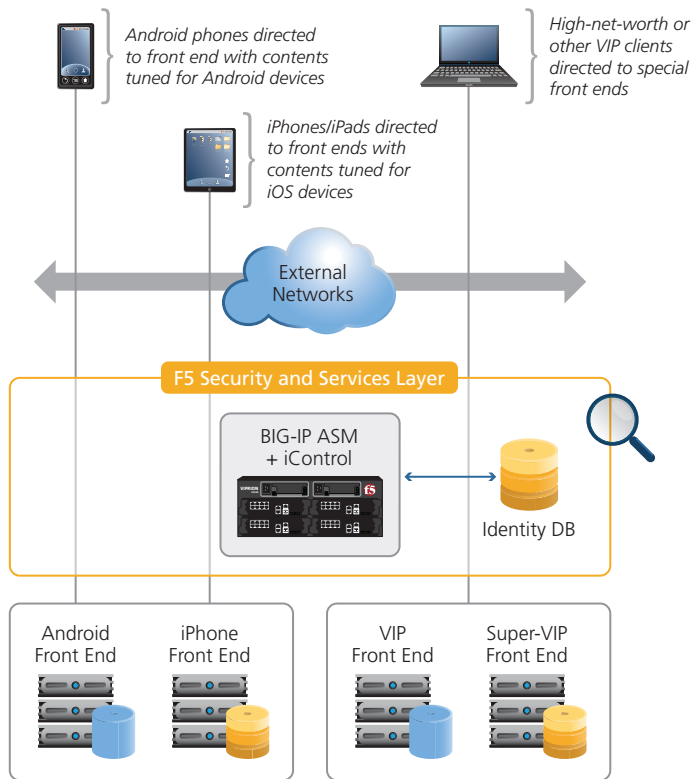1 CEB TowerGroup Research

Key features

- **TCP Express**—Combines multiple, advanced optimization techniques to maximize the efficiency of data transfer and minimize congestion and latency
- **Protocol gateway**—Supports SPDY and IPv6 performance improvements

Key benefits

- **Speed response times**—Deliver financial information to customers in real time
- **Increase availability**—Handle transaction growth while improving uptime to ensure users have the access they need
- **Unify security**—Streamline secure access, stop attacks, and protect sensitive data
- **Scale with ease**—Build a flexible platform that can scale up or scale out as needed

Most importantly, customers insist on security and trust financial organizations to safeguard their personal and financial data. F5 delivers security innovation with BIG-IP® Application Security Manager™ (ASM) and F5 iControl®, which work together to keep customer data safe in the event of an attack. Customers enjoy uninterrupted service through integrated identity management and external detection systems.

Android phones directed to front end with contents tuned for Android devices

High-net-worth or other VIP clients directed to special front ends

iPhones/iPads directed to front ends with contents tuned for iOS devices

External Networks

F5 Security and Services Layer

BIG-IP ASM + iControl

Identity DB

Android Front End

iPhone Front End

VIP Front End

Super-VIP Front End

The F5 security and services layer identifies context by looking at data in the transaction, or by extracting data from external services

Learn more

For more information about F5 solutions for mobile access to financial services, use the search function on f5.com to find these resources.

Web pages

Financial services industry

Mobile acceleration

Solution overview

Deliver Fast, Secure, and Available Mobile and online Services

Tech brief

Accelerating Mobile Access

Case studies

Financial Services Firm Ensures High Website Availability, Improves Compliance

Insurance Provider Broadens Customer Experience, Boosts Security with Integrated F5 Solution

Banking Industry IT Services Provider Delivers Fast, Secure Applications and Online Services

Product overviews

BIG-IP Application Security Manager

BIG-IP Access Policy Manager

BIG-IP WebAccelerator

BIG-IP Global Traffic Manager

BIG-IP Local Traffic Manager

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