

# Case Study

## Fifth Third Bank

### The Customer

Fifth Third Bank (5/3 Bank) is a bank headquartered in Cincinnati, Ohio. It is the principal subsidiary of Fifth Third Bancorp, a diversified bank holding company. One of the largest consumer banks in the Midwestern United States, it operates 1,154 branches and 2,469 automated teller machines in Ohio, Kentucky, Indiana, Michigan, Illinois, Florida, Tennessee, West Virginia, Georgia, and North Carolina.

### The Challenge

Modernize mobile application for Fifth Third Bank and move into AWS cloud. It included Rewriting application architecture for the cloud, managing performance issues including latency, interoperability and dependencies on non-cloud apps.

### The Process & Solution

Build a secured login and log-out feature to let user use the following to log-in:

- Username,
- ssn or
- Credit card numbers

Use tokenization to encrypt user's credentials to avoid malicious attacks from hackers using:

- Unbound Key control,
- Authorization server
- OAuth clients
- and OAuth standard protocol

#### About Cogent Infotech

Founded in 2003, Cogent Infotech is a trusted, award-winning firm with **21+ years** of experience, **150+** government contracts, **10,000+** projects, and a 96% employee retention rate. Recognized as an SBA Small Business and MBE-certified, we deliver excellence through diverse talent, AI-driven recruitment, and cooperative contracts like NASPO Value Point and TIPS-USA.



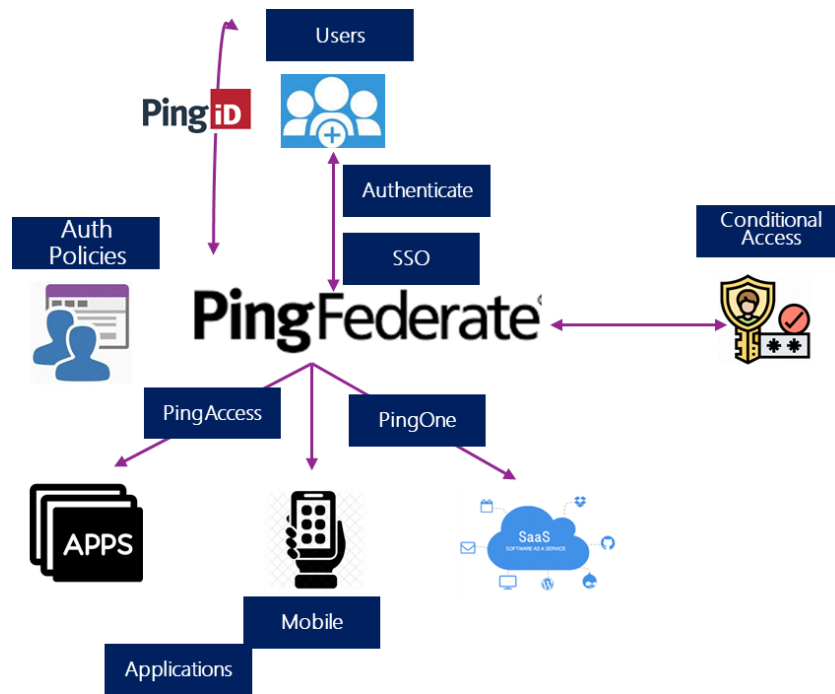
# Tech Stack

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- Ping Federate
- Unbound Key Control
- Spring Boot
- Spring JDBC
- core Java, Shell
- SQL
- and AWS.

# Architecture

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# The Impact

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Complete new mobile application with:

- Much more secured login
- Modern banking features
- Use cloud based technologies
- Moving into cloud to be highly scalable and efficient