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Carahsoft is the **Trusted Government IT Solutions Provider**® supporting a broad portfolio of industry-leading technologies through GSA, NASPO ValuePoint, The Quilt and a wide range of other contract vehicles.

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CASE STUDY

Modern IAM: Enabling a New Consumer Application

CLIENT PROFILE

A European based private wealth management group for high net worth individuals, within an industry leading global financial institution with significant presence on six continents.

CHALLENGES

- Develop a new platform for interacting with private wealth management customers.
- Provide a technical foundation that supports agility and operational efficiency.
- Need full control of the platform to support accelerated future changes.

BROADCOM SOLUTIONS

VIP Authentication Hub

BENEFITS

- VIP Authentication Hub is an API-first, microservice offering.

Business Need

This organization was developing a new platform for interacting with their private wealth management customers, replacing an existing platform. Beyond the essential characteristics of a simple and secure user experience, this organization required two additional business critical characteristics for their new Identity and Access Management (IAM) solution. The platform had to provide a technical foundation supporting agility and operational efficiency.

Modern secure authentication methods, such as passkey and Fast IDentity Online 2 (FIDO2) support, would be valuable advancements for this important customer-facing application, but that alone was not sufficient. It was essential that the solution be deployable in an AWS environment delivering the agility of autoelasticity and blue/green weekly refreshes and upgrades through DevOps processes. Additionally, the solution had to offer integration services to support the organization's pre-existing standard providers of email, SMS, and push notification services for delivery of OTP codes. Integration with their identity store of choice required System for Cross-domain Identity Management (SCIM) support. Finally, this organization wanted full control of this platform to support accelerated future changes to meet evolving business requirements as well as security and privacy reasons. All of these characteristics were part of the solution offered by Broadcom.

Broadcom Delivered

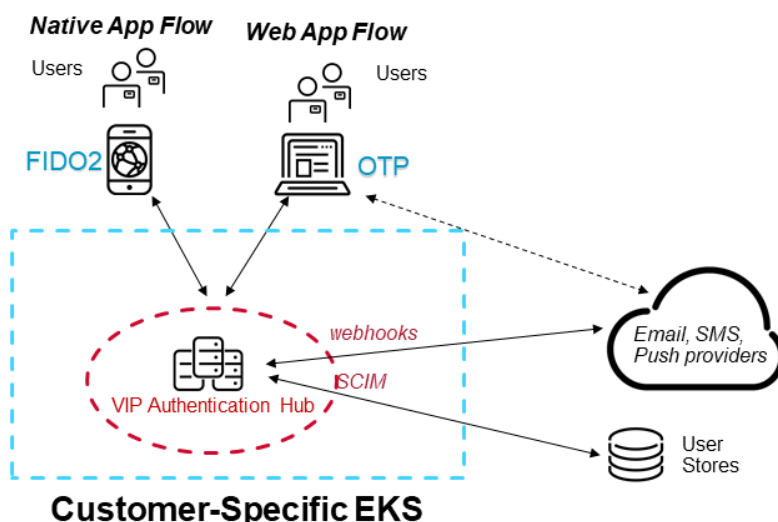
Working with both the team developing the new application and the central IT team that managed their customer-specific AWS Kubernetes platform, Broadcom introduced the VIP Authentication Hub solution. The solution currently supports web and native mobile access channels, deployed in an organization-controlled kubernetes environment with essential integrations to corporate standard infrastructure components.

As a cloud-native offering, this customer believes that they can leverage the API-first, microservices approach to continue to add new risk data sources.

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Deployment Architecture

Figure 1: Abbreviated Deployment Architecture



Key Enhancements for This Customer

Regular meetings with the customer throughout the development testing, UAT, staging and production rollout led to specific requests from the customer for multiple incremental, target fitting enhancements. Consistent with our customer-focus approach, Broadcom developed and delivered those requests. Here is a sample of the types of requests delivered:

- Added extensibility and substitutability of a networking subsystem to the SDK
- Made modifications to the support of a SCIM interface
- Added a digital signature feature for a transaction signing flow using a software key vault to replace an OATH challenge-response algorithm (OCRA)

A side benefit of the digital signature feature was the ability to retire a costly hardware security module that was used for storing the key for the OCRA transactions.

Value and Looking Ahead

As a cloud-native offering, this customer believes that they can leverage the API-first, microservices approach to continue to add new risk data sources. This approach will improve zero-trust assessments and confidence when performing transactions with their premier customers.

For more information, visit our website at: www.broadcom.com