Case Study



Implementing SSO and MFA for Greater Saas Platform Security

/ Product Partnerships

Product Partnerships (PPL) provides tailored regulatory compliance solutions for firms involved in consumer credit. Combining the scale to support corporate clients with the agility to offer personalised service, PPL helps organisations maintain robust FCA compliance and deliver good outcomes for consumers. Whether acting as Principal for Appointed Representatives or supporting firms that are directly authorised by the FCA, Product Partnerships provides ongoing risk and compliance oversight, removes the administrative burden of regulation, and helps businesses stay confidently FCA-compliant.

" NewRedo's security expertise and efficient project delivery transformed the onboarding and user maintenance of our SaaS platform "

Phillip Garlic - Managing Director

info@newredo.com · www.newredo.com · 0113 320 7336
NewRedo, Platform, New Station St, Leeds LS1 4JB

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Project Introduction

NewRedo provided a replacement to the authentication solution of PPL's self service SaaS compliance platform implementing SSO and MFA. Leveraging Amazon Cognito, microservices architecture, OAuth 2.0, and OpenID Connect (OIDC), the solution enabled secure and seamless authentication. The applications ran on the reliable Amazon AWS cloud infrastructure, utilising its scalability and reliability. Node.js was chosen as the programming language to ensure fast and responsive performance. Employing an agile project approach, NewRedo followed mature DevOps practices with CI/CD, regular deployments, and automated testing. The user experience (UX) was carefully designed, incorporating user and stakeholder engagement and feedback, to create an intuitive and efficient interface.

Project Challenge

The project encountered several key technical challenges that NewRedo successfully tackled. Firstly, migrating users from the legacy authentication solution to the new SSO and MFA setup required careful planning to ensure a seamless transition and minimal disruption. Secondly, providing effective training and communication to administrative staff and customer stakeholders was essential for successful adoption and understanding of the new authentication processes. Finally, integrating the new Saas platform security solution with legacy parts of PPL's compliance platform posed a challenge, requiring careful coordination and compatibility to ensure smooth operations.

Project Solution

NewRedo provided a comprehensive solution to meet PPL's requirements. Leveraging Amazon Cognito, microservices architecture, OAuth 2.0, and OpenID Connect (OIDC), the new Saas platform security solution enabled secure and seamless authentication. The applications ran on the reliable Amazon AWS cloud infrastructure, utilising its scalability and reliability. Node.js was chosen as the programming language to ensure fast and responsive performance. Employing an agile project approach, NewRedo followed mature DevOps practices with CI/CD, regular deployments, and automated testing. The user experience (UX) was carefully designed,

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Customer Value Proposition

The implementation of SSO and MFA delivered significant value to Product Partnerships. Firstly, it enhanced platform security by reducing the risk of unauthorised access and protecting sensitive financial data. Secondly, it simplified the user experience by enabling seamless login through SSO and providing an additional layer of security with MFA. Thirdly, the solution increased operational efficiency by streamlining authentication processes and reducing support requests. Lastly, the robustness of the solution allowed for future scalability and integration with legacy systems, ensuring long-term adaptability and growth for Product Partnerships. Overall, NewRedo's solution delivered enhanced Saas platform security, improved user experience, streamlined processes, and provided a strong foundation for future compliance services.

Project Skills

SSO, OAuth, OpenID-Connect, AWS Cognito, Cyber Security, APIs, Agile Delivery Management, Amazon AWS, Business Analysis, Change Management, Cloud Infrastructure, Delivery Management, DevOps, Document Databases, Javascript, Node.js, Kubernetes, Jira, RDBMS, Product Management, Project Management, IT Service Management, Technical Leadership, SAML, Test Management, Web Programming, UX Design