



Amazing happens when access management is transparent and secure.

An electronic instrument manufacturer approached CDW seeking assistance with cloud governance and platform engineering in preparation for a major migration from their data center. With the rapid development of industrial IoT and commercial telematics, a secure identity management solution that allowed for easy onboarding and offboarding of users to AWS environments was needed.

Opportunity and priorities

The customer's use of external third-party vendors and contractors required a well-architected, easy-to-implement, and transparent just-in-time access solution compliant with cybersecurity directives and existing procedural guidelines for onboarding through Microsoft Enterprise Active Directory.

Solutions and services

CDW assisted in setting up IAM SSO (Identity Access Management Single Sign-on) Federation with SCIM to automate user provisioning and de-provisioning. This helped establish an accurate record and allowed for just-in-time access. By managing groups, automating onboarding processes, and implementing MFA (Multi-Factor Authentication) through Microsoft Enterprise AD, the client's workstreams were seamless, and AWS access was facilitated without the need for extensive work or attribute mapping, which had already been completed in previous initiatives.

Outcomes

CDW assisted the client in ensuring that organizational identity management and access were provided without disrupting any existing onboarding/offboarding automation. This was achieved by utilizing the Identity Provider (Entra AD) and AWS Organizations Single Sign-On. IAM Identity Center, permission sets, SCIM, and permissions are centrally managed and maintained through a single interface, providing a seamless and secure user experience.

The AWS IAM Identity Center and SCIM integration introduced automation, streamlined provisioning, consistent access control, and compliance, establishing robust identity management and enhancing security across the entire cloud ecosystem.

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