

Nominee: Datapipe

Nomination title: Unique Security Model Brings Deeper, More Secure AWS Adoption to the Enterprise

Running key parts of an enterprise's IT infrastructure on the AWS public cloud is a cost-effective solution that allows for greater flexibility, scalability, and power. However, it requires a deep skill set to effectively and efficiently run an AWS system, one that enterprises often don't have. Not to mention data security, one of the biggest concerns for any company utilizing or considering cloud computing services. Companies fear that moving sensitive data into a cloud environment will put assets at risk of loss, theft, or exposure.

Datapipe's mission is to help enterprise businesses effectively manage their AWS environments so IT operations teams and developers can focus on strategic initiatives and applications. To further support this mission, we developed the Datapipe Access Control Model for AWS (DACMA), an AWS best practice methodology that brings a deeper level of trust and security specifically focused on protecting and safeguarding an enterprise's virtual infrastructure.

DACMA lets enterprise businesses take advantage of AWS managed services without requiring them to hand over administrator-level credentials. The model offers an enhanced level of security and control through role based access and monitoring, clearly establishing and tracking the accountability and actions of all users. DACMA is seamless and requires no extra steps or oversight after initial deployment. It dramatically reduces the risk of disruption of service or data breach due to unauthorized access or activity of an AWS environment.

DACMA gives users complete control of their data. Traditionally, when working with a managed services provider, an enterprise must hand over their administrator level credentials or root level credentials and API keys to enable that MSP to run and manage the virtual environment. DACMA removes this requirement. Through AWS Trust Relationships and Security Token Service (STS) software, Datapipe is able to effectively manage an enterprise's system without the enterprise having to hand over administrator-level credentials, credentials that are difficult to take back once given out. This gives the business complete control over their virtual infrastructure and data with the ability to pull user privileges at will.

With DACMA, all system access and activities are tied back to unique user names ensuring the enterprise is meeting compliance requirements and enabling quicker detection and response if inappropriate activities

occur. This removes the need for long lists of AWS users to manage, while adding two-factor authentication for all critical systems and tracking of all user activity without granting direct AWS login access to a third party. This deployment of highly customizable role-based access without the need to put roles and various permissions within the enterprise account makes it easier than ever for enterprises to meet and exceed compliance standards. All of which creates a level of accountability that gives enterprises increased confidence when moving critical systems to an AWS environment.

Developed in house using AWS best practices, DACMA is the result of Datapipe's deep understanding and experience in effectively planning, building and running highly secure and available AWS environments for clients across the globe. Enterprises often struggle with understanding and implementing the complete set of security capabilities that are available in the AWS platform as well as the security policies and process transformation required for their teams. DACMA bridges that gap.

Why nominee should win

- **DACMA helps enterprises that struggle with implementing AWS security capabilities, required security policies, and process transformations.**
- **DACMA brings together security and compliance best practices (role-based access, multi-factor authentication, accountability tracking and managed support without granting access to administrator/root-level credentials).**
- **DACMA uses AWS best practices, security processes and software for a complete access control platform security solution.**
- **DACMA dramatically reduces the risk of disruption of service or data breach due to unauthorized access.**
- **DACMA is the ideal solution for enterprises wanting to take advantage of managed services for AWS, but want to maintain control over their credentials and security access points.**