

Thank you, Jitesh, for the informative post. When considering Cloud computing, we see many companies adapting to cloud networks more rapidly due to the cost-effectiveness, scalability and flexibility posed. As with most technologies, they are vulnerable to various network attacks and privacy issues, particularly if some infrastructures have third party management in the environment. Therefore identity and access management is fundamental if maintaining confidentiality, integrity and availability and is being used by many companies. If using a third-party service provider, assurance of data and applications are required, and users need effective authentication (Indu et al., 2018). As highlighted in your original post, the components can incur a process of identity verification that can reduce the workload of the application whilst simplifying the management of a large scale distributed system. Providers such as SailPoint offer identity and management systems that significantly reduce the risks associated with cloud environments. It has extensive organisational attributes that can identify cloud objects, entities and control access should policies be established beforehand (SailPoint, 2021). The support is comprehensive with having capabilities in password management, data access governance and compliance control. Mohammed (2013) found that identity and access management systems can be very complex if numerous identities are required for each user in a diversified IT infrastructure which can cause fragmented issues about authentication. Therefore, the incorporation of multifactor authentication and password managers can ease complexity and minimise human error, enhancing the identity and access management framework (Mohammed, 2013).

Indu, I., Anand, P. M. R. & Bhaskar, V. 2018. Identity and access management in cloud environment: Mechanisms and challenges. *Engineering Science and Technology, an International Journal*, 21, 574-588.

- Mohammed, I. A. 2013. Intelligent authentication for identity and access management: a review paper. *International Journal of Management, IT and Engineering (IJMIE)*, 3, 696-705.
- Sailpoint. 2021. *Identity for Access Management* [Online]. Available: <https://www.sailpoint.com/integrations/access-management/> [Accessed 25 September 2021].