
Overview

Identity and access management (IAM) deals with how users within an organisation are given an identity and how it is protected. It also included protecting critical applications, data and systems from unauthorised access, and managing access rights of people both inside and outside the organisation. This is especially important in the light of recent trends towards bring-your-own-device, cloud computing, mobile apps and an increasingly mobile workforce. Identity and access management involves protecting our data assets and implementing processes and procurement standards to run organisations more intelligently.

This standard defines the competencies associated with effective implementation, operation and management of identity and access management systems. This includes ensuring that company data is not at risk from being compromised by those who do not have authority to access it within an enterprise environment that may have diverse requirements for associated data access privileges. It also includes revoking access privileges when they change or are no longer required.

Performance criteria

You must be able to:

1. define the user roles and access controls necessary to meet organisational requirements for access to different information systems
2. implement identity and access management policies and standards in line with organisational requirements
3. provide guidance to others on the identity and access management architecture in line with organisational needs
4. review the identity and access management infrastructure, policies and standards in line with organisational requirements
5. monitor the operation of access controls for compliance with internal and external standards and regulations
6. prioritise and recommend improvements to the identity and access management infrastructure
7. produce deployment models and architectures for applications to be managed
8. evaluate the impact of future requirements on the identity and access management infrastructure

Knowledge and understanding

You need to know and understand:

1. the importance of designing and maintaining user roles that are closely correlated with the required security status of data and applications accessed through information systems across the organisation
2. what the organisational identity and access management architecture is and how to apply this
3. how to customise the identity and access management system to align to business processes and the identity and access management architecture
4. how to analyse and modify the underlying database structure that is used in information systems access privileges
5. how to map the lifecycle of a users identity across information systems internal and external to the organisation
6. where to find the authoritative source of a users identity
7. the organisational structure and management processes for recording the identities of employees, contractors, customers and other constituents
8. the range of tools and techniques that are used for identity and access management and how to apply them
9. the organisational policies and standards that are used for identity and access management and how to apply them
10. the need to ensure that identity and access management operations align to changing business needs
11. the need to modify access controls in line with employees changing responsibilities, including removal of access when no longer required
12. the importance of monitoring access controls in relation to regulatory compliance for sensitive data
13. how to identify possible future requirements for the identity and access management infrastructure

Carry out information security identity and access management activities

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