

TOPICS:**Logical Access**

To maintain the confidentiality, availability, and integrity of data, organizations should have proper logical access controls in place. Meaning the right person has access to the right data, and at the right time. Logical access controls should ensure appropriate segregation of conflicting duties; one person should not be able to initiate a transaction, authorize, and approve the transaction. Additionally, sensitive data should be protected by added levels of control (i.e. Multi-Factor Authentication).

An Access Control Policy which specify how access is managed and who may access information under what circumstances should be established within the organization. The policy should address onboarding, off-boarding (including emergency revocation), transition between roles. It should also outline a process for regular access reviews, limit and control use of administrator privileges and inactivity timeouts. Remember, policies should be followed, reviewed regularly and updated as required.



The principle “right person, in the right place, at the right time, accessing the right data” should be considered when provisioning access. Meaning, staff which includes employees, contractors/vendors are provided with the minimum access required and only what they are authorized to access and in the right location. Also, from an audit perspective, separation of conflicting duties and areas of responsibility should be identified and segregated to reduce incidents of fraud and other abuse.

Finally, Multi-Factor Authentication (MFA) should be required to access sensitive data from untrusted networks, system accounts unable to use multi-factor authentication should leverage strong authentication (e.g. password aging, length/complexity, history). A good implementation of MFA is something you are, something you know and something you own.

KEY EVENTS

- **Monthly Defensible Security Conference Call: September 5, 2018**
At the next conference call, we will discuss Backup & Retention, Logging & Monitoring, and Logical Access control areas of the DefSec framework.
- **BC Security Day: Nov 7, 2018**
Visit the [Security Day](#) website for more information.
- **20th Privacy and Security Conference: Feb 2019**
Anyone working in the information privacy and security fields will benefit from the speakers, discussions, and networking at the conference. The conference draws an international audience of some 1,000 delegates with an interest in cutting edge policy, programs, law, research, and technologies aimed at the protection of privacy and security.