



onShore
SECURITY

Segregation of Duties: A Cybersecurity Safeguard



What is Our
Risk Appetite



What Are The Risks?



Potential Fraud

Human Errors

Security Breaches

Information Theft

Circumvention of Security Controls



Segregation of Duties



Segregation of Duties: A Cybersecurity Safeguard

Segregation of Duties



Reduce the likelihood of fraud

Limits abuse and errors

Detect and prevent security breaches

Catch and prevent information theft

Remove the ability to bypass security controls



Goal in Segregation of Duties



So what do our goals look like?

Take away the ability for individuals to have conflicting duties

Remove the responsibility for reporting on themselves or their superiors



Test Your Segregation of Duties



Segregation of Duties: A Cybersecurity Safeguard

Test your Segregation of Duties



Can any one person alter, destroy or steal data without being detected?

Does any one person have influence over controls design, implementation and reporting of effectiveness of those same controls?



Achieving
Your Goals



Segregation of Duties: A Cybersecurity Safeguard



How to?

1. Designate an individual responsible for each of your security processes and the process owner's and report to audit committee chair.
2. Use a 3rd party to monitor security, conduct surprise security audits and security testing.
3. Have an individual (CISO) responsible for IS report to the board of directors.
4. Have an individual (CISO) responsible for IS report to audit committee as long as internal audit committee doesn't report to CFO.



Importance
of
Segregation
of Duties



Importance of SoD



All businesses bound by FFIEC involve control techniques surrounding SoD and are subject to review by external auditors.

FFIEC calls out GRC at the corporate leadership level and then again at the IT management level.



Chain of Custody



Segregation of Duties: A Cybersecurity Safeguard

Take Away...

Go back to the test

There is help from 3rd party vendors

Know your Risks and control your chain of accountability



Management
Layers



Trust but Verify

Segregation of Duties: A Cybersecurity Safeguard



Thank You



Email: Chris.Johnson@onshore.com

Twitter: untangledcj

LinkedIn: chrisjohnson1337msp