TBB SAFE™ Digital Technology Lifecycle Protection Methodology

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Background

The Bit Bazaar LLC (TBB) is a full-service consulting firm established by Dr. Erfan Ibrahim in San Francisco CA in August 2001 to address the critical needs in digital technology, cybersecurity and resilience for clients in enterprise, technology vendor, service provider, academia, government agencies and not-for-profit organization sectors.

Over the past 16 years TBB has served clients such as Wells Fargo, Visa International, Electric Power Research Institute, Echelon, BC Hydro, Scitor Corporation (part of SAIC), Penn State University and DC Systems in a variety of consulting engagements providing advisory services, technology demonstrations and implementations in networking, network management, communications, Smart Grid, cybersecurity and resilience.

Current Offering

TBB has expanded its technical team and service offering in 2018 to concurrently serve a wider array of clients across the United States and globally. TBB offers its consulting services through the TBB SAFE Digital Technology Lifecycle Protection Methodology (See TBB Safe Infographic).

TBB has retained a team of seasoned professionals from high tech, finance, defense and the intelligence community to deliver these high value services to its global clients for higher levels of:

· Business continuity
· Operational efficiency
· Human productivity
· Situational awareness
· Cybersecurity against insider and external threats

The key differentiator of TBB services is the full lifecycle approach that the consulting firm takes in addressing the digital, cybersecurity and resilience needs of its clients from a policy, business process, technology and people perspective. TBB empowers the client's staff to make informed decisions and maintain control over the technology integration process from start to finish with total alignment with the established cybersecurity architecture of the organization.

TBB has developed, tested and empirically proven a layered defense architecture that can protect an organization's information technology and operational technology networks against insider and external threats. This technology and vendor agnostic cybersecurity architecture relies on firewalls, network segmentation, intrusion detection and endpoint virtualization to deliver a true defense-in-depth approach to protecting digital assets in any enterprise today. The disruptive aspect of this cybersecurity architecture is that it does not require replacement of legacy systems by modern systems to maintain a consistent cybersecurity architecture. It is a modular architecture that keeps the network, cybersecurity and the transactional layers separate and allows all three to evolve at their own pace. This modularity saves organizations millions of dollars in stranded assets and does not leave them vulnerable because of the absence of cybersecurity standards in the transactional layer.