Technology Trends for Companies to Consider as we go into 2022

As we end 2021 and plan for the beginning of 2022, there are a few key technology trends that organizations should investigate and pay attention to as they think of potential new technology investments. Most of the these trends our not exactly "new" but their maturity and potential has become a reality and not just a solution waiting to mature. These five trends are:

Intelligent Automation

The combination of process automation with the integration of artificial intelligence to create the ability to deliver improved intelligent for decision making for improved efficiency in executing business processes. This incorporates the ability to eliminate the need for redundant/compliant white-collar work and to have personnel focus on anomalies within the process. The technology will provide the information and potential solutions for personnel to make decisions based on knowledge and "best" resolution scenarios.

Incorporation of Edge Computing within the Manufacturing Environment

The adoption of cloud computing is growing rapidly within all industries. The challenge within manufacturing environments is the latency that is inherent to these solutions. Within the manufacturing environment, it has become necessary to incorporate real time solution capabilities by utilizing edge computing devices and solutions. Edge computing can process time-sensitive data with no need for connectivity to the cloud platform. The use of this technology solution will increase as companies start to deploy their Industry 4.0 manufacturing strategies.

Expansion of Connectivity Solutions

Companies have continued down their path of digitally transforming their organizations, connected solutions within their product design, manufacturing, supply chain, service and customer experience, as it has become increasingly more important to improving the efficiency of their operations.. One of the key aspects of an organization's digital transformation is its ability to create a closed loop between the digital world and the physical world and use of the company's product and/or service. The benefit of looking at a holistic "Connectivity" solution is that one solution/platform with minimal additions can be utilized in multiple processes and for providing internal and external solutions for the organization.

Cloud-Native Platforms

Technology providers are investing greatly in cloud-native solutions, which provides potential benefit for both the technology providers and their commercial customers. Cloud-native platforms are technologies that allow organizations to build agile, and scalable solutions while minimizing the need to manage the infrastructure aspect of the solution. Cloud-native platforms are an efficient alternative to traditional lift-and-shift approaches from on premise to cloud solutions, which still require maintenance and support. For the technology providers, it provides "stickiness" to their client while providing solutions versus infrastructure.

Cybersecurity

With the advancement of digital and connected services, the need to focus on cybersecurity as a fundamental capability within organizations' is needed to address the associated inherent risk that comes with these solutions. Accelerated adoption of

Advanced Identity & Access Management Solutions, Security Information & Event Management {SIEM) and Security Orchestration, Automation and Response (SOAR) are needed to address the risk in interoperable technologies, infrastructure. along with the use of analytics to establish user and solution behaviors. A combination of these technology solutions will need to be deployed to manage the ever changing and increasingly complex business environments.

From our perspective, 2022 will be a year that will enhance the embedment of these technologies within companies.

Wanted to wish you and your families a great end to 2021, Happy Holidays and a great start to 2022!

Next Month: The importance of managing your technology strategy