

IT FORTUNETELLERS:

Ivanti's Bold but Sensible IT Predictions for 2019 and Beyond

You'll trust a fortune inside a cookie for insights into your future, but what about the trends that are shaping IT? We asked our most prominent experts to predict what IT looks like in 2019 and beyond. From the future of Windows 10, to when we might see the first major fine under the General Data Protection Regulation – you'll find bold, yet realistic takes on trends and events across the entire scope of IT. Consider these insights when shaping your IT department's priorities and budgets this year and in the near future.



Ian Aitchison
Senior Product Director, Ivanti

In 2021, the CIO that didn't have AI and Automation at the top of their 2019 agenda will no longer be the CIO.

By 2021, our identity will—reliably and consistently—be our own faces or other bios. Text passwords will finally be dead.

By 2021, successful IT organizations will be automating IT operations across traditionally separated IT silos—spread across Cloud and Premises as appropriate. Companies that continue to operate non-unified IT ops silos will be losing in their markets to their automated competitors.

By 2022, the successful CIO will be playing multiple, complex, AI-enabled 'what if' IT scenarios in strategic business planning. Selecting the right technical and competitive IT strategy through AI 'war-games' will enhance the rate of success of entire organizations dramatically.

By 2025, the first new Strategic Planning AIs will guide total business strategy leadership, effectively operating as an executive board-level decision assistant.



Jon Rolls
VP of Product Management, Ivanti

By 2021, the majority of business Windows desktops will not be joined to Active Directory.

By 2021, the first enterprise IT departments will close their on-premises data centers and will rely on IT services from the cloud.

By 2022, 30% of on-premise VDI will have been migrated to virtual desktops hosted in the cloud.

By 2022, large enterprises will still depend on at least 50 line of business Win32 applications.



Marcel Shaw
Federal Sales Engineer, Ivanti

In 2019, we will see IT Asset Management (ITAM) integrated into IT Service Management (ITSM) which will improve the CMDB along with the change management process.

By 2020, ITAM will become a core component for every comprehensive Cyber

Security solution. 2018 was the worst year on record for data breaches, grabbing the attention of government agencies all over the world. New government requirements will demand ITAM best practices be implemented and followed as way to combat cyber security breaches.

By 2021, tracking IoT will be a critical security requirement for most organizations. As a result, ITAM solutions will turn to Artificial Intelligence (AI) technology as a way to alleviate IoT management challenges.

By 2035, ITAM solutions will be managed by AI technology without the

need of human intervention. With 8.8 Billion people on earth averaging 16 connected devices per person, ITAM will require non-human asset managers powered by AI to keep up with asset management demands.



Kevin J. Smith
VP of Strategic IT, Ivanti

By 2023, 60% of all IT business processes will be fully automated.

By 2028, only 10% of IT staff will work in a corporate or regional office.

By 2025, 50% of CIOs will utilize an IT Intelligent Assistant to provide conversational support for daily updates, key metrics, tracking of customer escalations and outages, and the autonomous execution of action items.

By the year 2028, 95% of all IT tasks and business processes performed manually today will be fully automated.



Alan Braithwaite
Director of Product Management, Ivanti

2019 will be the year of panic to migrate devices to Windows 10. Approximately 100% of companies will have significant projects to complete or mostly complete this migration.

By 2020, modern management usage in production environments will double from 5% to 10%, but at least half of the organizations will start testing it to see how they can use it in the future.



Rex McMillan
Product Manager, Ivanti

By 2023, AI will be ubiquitous in the enterprise. It will be the time of AI. When done correctly, people will not even realize when AI is being used.

By 2020, Microsoft will be the largest AV vendor in the market. It will have over 50% of that market and will be recognized as the trusted AV vendor.

By 2025, there will be AI experts embedded in finance, sales, and IT departments. CIOs will have created the Office of AI and Machine Learning. This office will have increased C-suite

visibility. Departments like marketing, sales, and finance will rely increasingly on this department to gain insight about their respective responsibilities.



Phil Richards
CISO, Ivanti

By 2020, we will see a major corporation assessed the maximum GDPR fine of 20 million euros or 4% of annual revenue.

By 2021, multifactor authentication will be the mainstay for authenticating online transactions.

By 2021, 90% of exploits on corporate and personal systems will be on vulnerabilities that have patches available. Patch now to avoid being compromised in 2021.



Chris Goetti
Director of Products, Security, Ivanti

In 2019, there will be a struggle for companies to move away from Java SE 8 and most will not pay for additional support. By the end of 2019, a number of companies will find that Java SE 8 provided the means for a Threat Actor to gain access to their environment.

In 2020, companies who are unable to move away from Windows 7 and unwilling to pay for extended support from Microsoft will be exposed to critical vulnerabilities.

By 2020, operational and security teams will be forced to unify their efforts to provide end-to-end Vulnerability Management from assessment to remediation to more effectively manage the constant increase in security incidents. This will require automation of

steps that currently require manual transition between Security and Operations teams and increased telemetry from crowd-sourced data, including risk if no action is taken vs reliability of updates or changes being applied.

We want to hear from you! Click the fortune to share your own predictions for 2019 and beyond and be sure to tell us how you see the future of IT.

SHARE YOUR PREDICTIONS