



FEDERAL TECHNOLOGY VISION 2022: COMPUTING THE IMPOSSIBLE

VIDEO TRANSCRIPT

Trend 4: Computing the Impossible confronts the demise of Moore's Law and what's set to replace it.

Specifically, a new class of machines are emerging - quantum, bio-inspired and high performance computers that are speeding past the status quo in computing. These new computing paradigms are not simply better or faster, but different. They are enabling federal agencies to tackle grand challenges that once defined and shaped the very core of their sectors.

As problems once considered impossible become more solvable, government leaders will be pushed to reimagine some of the most basic assumptions about their enterprise. According to our survey, over two thirds of federal executives already believe that next generation computing has the potential to reimagine their agency's current operating model.

And as we'll discover, this new future is taking shape faster than many anticipated. For example, usable quantum models are beginning to emerge via the cloud with more significant implications just around the corner.

Most notably is the projected ability of quantum computers to undo the cryptography standards that protect our digital lives. What experts are calling Q-Day. This has set off a race across the federal government to minimize our adversaries' "intercept now and decrypt later" strategies by implementing crypto-agility today.

Moore's Law had a hell of a run. Here's to what's next in *Trend 4: Computing the Impossible*.

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