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FEDERAL TECHNOLOGY VISION 2022: OVERVIEW

VIDEO TRANSCRIPT

Digital has become the new normal in the wake of the pandemic. 70% of consumers report spending substantially more time online, and over half say that more of their life and livelihood is moving into digital spaces.

But this is a new digital world, one that is both more dynamic and immersive than what we could dare imagine just a few short years ago. This is powered by concepts like the metaverse and web3 and a host of technologies that combined enable the "Metaverse Continuum", a spectrum of digitally-enhanced worlds, realities, and business models that are rapidly taking shape and emerging across enterprises.

And this is the focus of this year's Accenture Federal Technology Vision: Our big picture look at how the largest technology trends are impacting federal agencies, and the steps federal leaders can take to capitalize on them.

The Metaverse Continuum is where the real meets the unreal, the physical meets the virtual and the authentic meets the synthetic. And it's going to impact how all organizations, large and small, operate, including the federal government.

This is a world that holds enormous possibilities because it is where so many of today's emerging technologies are converging: extended reality, artificial intelligence, blockchain, quantum computing, 5G, the Internet of Things, digital twins, and much more.

Individually, each of these can be considered breakthrough technologies, but when combined together in various ways, they create incredible new spaces, rich in capability that have the power to transform the world as we know it.

Is this just hype? We don't think so, and government agencies are already staking a claim to the metaverse. Pilots are training against virtual combatants over the skies of California. And on the ground in San Diego, caseworkers are using augmented reality to learn how to help families thrive.

The Army is developing one of the largest metaverse worlds with a synthetic training environment. And NASA's Jet Propulsion Laboratory has replicated its work environment in the metaverse to foster and improve collaboration.

While the metaverse is the headline for this year's Technology Vision, it's not the full story. Not by a long shot. Rather, it is the culmination of a series of building blocks that are defining our digital future. Let's take a look at the four trends that comprise this year's Accenture Federal Technology Vision.

This year's first trend - WebMe - explores how the Internet is being reimagined. The metaverse is enabling the re-platforming of digital experiences, and Web3 is changing the way we treat data.

In our second trend - Programmable World - we look at how the flexibility and programmability of the virtual world is being enabled in our physical world through embedded technology.

Trend 3 - The Unreal - considers synthetic data's ability to turbocharge artificial intelligence use cases as well as its potential to disrupt its adoption.

Finally, we conclude with Trend 4 - Computing the Impossible - that assesses how the next generation of computing is rapidly emerging, and its potential impacts on today's intractable problems.

These four trends are positioned to shape how enterprises evolve over the next three years and beyond. Their impacts and timing may vary by mission and agency, but they can't be ignored. They represent innovations that will change the way we work and live.

The Accenture Federal Technology Vision is designed to put a spotlight on the future and encourage you to reconsider existing assumptions. You may disagree with some of our assessments, or they may make you feel uncomfortable, and that's expected. We share them as a roadmap for approaching the future, and we include actions to consider and decision points to confront. This is your opportunity to seize the future.

We stand at a unique moment in time. The next decade will require that we master the technologies defining both our physical and digital worlds and eliminate the barriers separating the two. User expectations will continue to grow and mission demands will soar. Success in this new world will require an innovative vision, one that encompasses both what the future world might look like and the incremental but bold steps needed to take your agency there.

I am Chris Copeland and I am excited to have co-led this year's research with Kyle Michl. Connect with me online to let me know what you found valuable.

I am Kyle Michl. I believe these emerging technologies will shape our future and change the way governments provide mission services. Please connect with me online to share your thoughts.