ONE STEP SECURE IT

THE LATEST BYTE

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Racing Towards **Gold-Medal** Security

We're Going for Gold!

Welcome to the latest edition of the One Step Secure IT company magazine, The Latest Byte where our focus is helping businesses reach the pinnacle of security excellence.

In this issue, "Racing Towards Gold-Medal Security," we provide cybersecurity insights, share updates from our One Step Team, and showcase how one of our clients optimized their technology.

Just like athletes preparing for the Summer Olympics, we are racing to provide you with top-tier security solutions, ensuring your business is always protected.

We strive for gold-medal standards in cybersecurity and are excited to pass the baton to you!

About Us

One Step Secure IT is an outsourced IT company with over three decades protecting our customer's data from breaches to alleviate the dread of cyber attacks, costly downtime, and loss of customer trust.

Our expertise includes Cybersecurity, Managed/Co-Managed IT, Information Security, and Compliance Services. We understand that as business operations evolve, so do the security threats. Our expert team collaborates closely with you to create a customized IT strategy, identify vulnerabilities, and strengthen your IT infrastructure.

Our corporate headquarters are in Phoenix, AZ, and we proudly serve businesses nationwide. To learn more about how One Step Secure IT can enhance your technology's efficiency, visit our website at **www.onestepsecureit.com.**

Quantum Computing

Quantum computers have the potential to revolutionize many aspects of our lives. Although quantum computing is still in its early stages, ongoing research and development promise to unlock its potential in the coming years, leading to transformative changes across various fields.

As the CEO of a company in the tech industry, I make a point of keeping my finger on the pulse of emerging technology. Today I would like to share my thoughts on a few of the transformational things to come.

When it comes to cybersecurity, quantum computers will be able to break the current encryption methods, which, with today's computing power, would take thousands of years. This will result in the creation of new encryption techniques that are resistant to quantum attacks. Individuals and companies must remain vigilant as this powerful new era of computing emerges to avoid becoming easy targets for bad actors.

There are also some exciting things to come as quantum computing continues to advance.

Quantum computing could revolutionize drug discovery by simulating molecular structures and interactions at a much faster rate, leading to quicker and more efficient development of new medications. Artificial

Intelligence (AI) telemedical treatments without any human intervention in high volume will greatly increase availability and drive down costs to such a point that many who go without will have access to excellent medical care.

AI quantum algorithms will likely enhance machine learning processes, enabling faster and more accurate data analysis, pattern recognition, and decision-making. This advancement will make machines like cars, airplanes, robots, and other process information faster and behave more human-like.

Quantum computing is set to revolutionize various aspects of our lives. However, along with its benefits, there are also concerns about the potential misuse of such powerful technology. Despite the challenges, I choose to remain positive and hope that mankind can stand up to the challenge and leverage this unbelievable power for the greater good. By fostering responsible innovation and ethical guidelines, we can ensure that quantum computing contributes positively to our future.
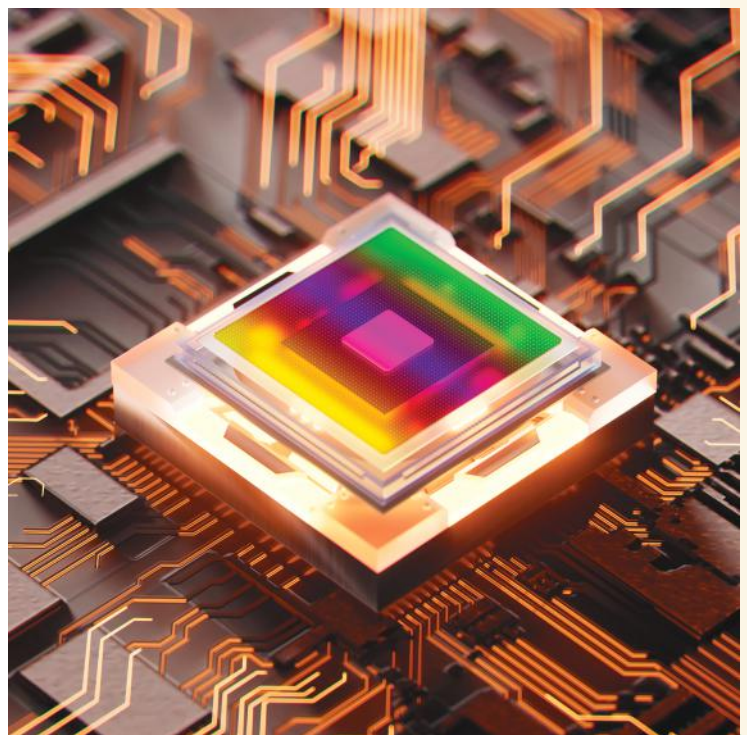
Scott Kreisberg
CEO/Founder
One Step Secure IT

The World's Largest Sporting Event vs. The World's Most Ambitious Hackers

As the world anticipates this summer's Olympics, the head of cybersecurity for the Games faces an unprecedented challenge: billions of cyber attacks targeting the event.

The 2024 Olympic and Paralympic Games are expected to have about 9.7 million spectators across 40 official sites. With France in the global spotlight for almost two months, cybersecurity is a crucial concern for the organizers at every stage of planning and hosting the Games.

France is investing $94 million in cybersecurity with extensive planning and international collaboration to protect the Paris Olympics. Despite these efforts, the likelihood of multiple cybersecurity campaigns remains high.

The cybersecurity team at the last Summer Games, in Tokyo in 2021, reported that it faced 450 million attempted "security events." Paris expects to face 8 to 12 times that number, said Franz Regul, managing director for IT at the 2024 Paris Olympics.

The International Olympic Committee (IOC) cannot simply rely on the cybersecurity measures from the last Olympics, as technology evolves rapidly, and new threats emerge. Eric Greffier, head of partnerships at CISCO, explained: "In terms of cybersecurity, four years is the equivalent of a century."

A History of Cyber Threats

The Olympic Games have long been a target for cyber criminals. Here are some notable examples from the past seven Olympics, highlighting challenges that Paris planners may face:

The Rising Stakes

As technology becomes more important in the Olympics, the risk of cyber threats increases. Hacking groups and nation-states pose significant threats, with Russia being a particular concern due to past incidents and ongoing tensions with France and the IOC.

Cybersecurity measures are now seen as more crucial than ever, with cyber attacks considered more likely to cause disruption than physical threats. The focus on cybersecurity highlights the evolving nature of threats facing high-profile international events like the Olympics.

Increased Technology Usage

The IOC has revealed its "AI agenda" for the games, aiming to make it the most technologically advanced event ever.

IOC President Thomas Bach emphasized that the sporting realm doesn't grapple with what he termed "the existential question" confronting other societal sectors —whether AI will supplant human roles. He highlighted that "in sport, the performance will always have to be delivered by the athlete." This allows the IOC and the entire sports community to focus on leveraging AI to support the athlete.

Intel is teaming up with the IOC to boost AI capabilities for the Olympics through:

Creating an immersive sports experience for fans in Paris, connecting them with Olympic athletes.

Enhancing athlete performance analysis using AI applications on Intel's processors.

Transforming archive videos into 3D digital artifacts for the Olympic Museum.

Improving broadcasting with AI, encoding high-quality live TV signals for global live streaming.

Bach recognized the risks of the technology, but emphasized that the IOC was dedicated to embracing new technology, adding, "we are determined to exploit the vast potential of AI."

Advanced Preparations for Paris 2024

Considering past incidents and the increased reliance on technology, Paris 2024 organizers are leaving no stone unturned. They have been conducting extensive "war games" in collaboration with the IOC and partners like Atos, the Games' official technology partner.

During these exercises, ethical hackers are hired to attack the systems in place for the Games, and "bug bounties" are offered to those who discover vulnerabilities.

Despite these preparations, concerns remain. Critical systems like event scheduling and ticketing could still face potential disruptions. Paris organizers have trained staff to recognize phishing scams, yet incidents of impersonation and fraudulent emails have already occurred.

The 2024 Paris Olympics promises to be a spectacular sporting event, as well as, a critical test of advanced cybersecurity measures. As the world watches athletes compete, another battle will be taking place behind the scenes—a digital battle to protect the integrity and smooth operation of the Games. The outcome of this battle will set a new precedent for how cybersecurity is handled at international events.
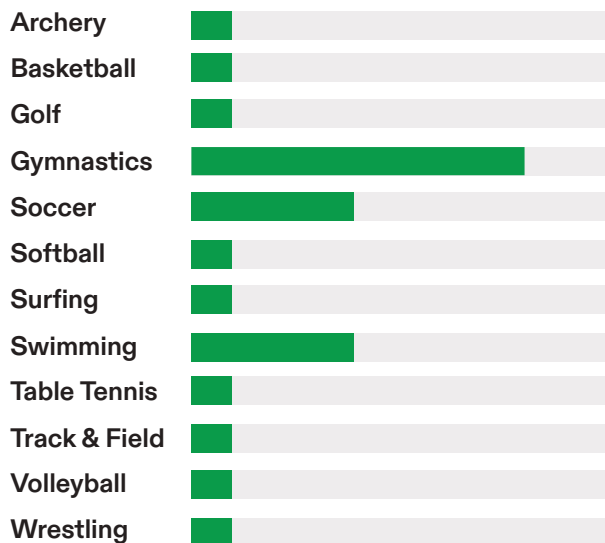
BEYOND THE PODIUM

ONE STEP EMPLOYEE Q&A ON OLYMPIC FAVORITES

Diving into the spirit of unity and excellence that the Olympics inspire, our team members reflect on their favorite sports, standout athletes, and unforgettable moments from these global games.

What's your favorite Summer Olympics event to watch?

- Archery
- Basketball
- Golf
- Gymnastics
- Soccer
- Softball
- Surfing
- Swimming
- Table Tennis
- Track & Field
- Volleyball
- Wrestling

Who is your all-time favorite Olympian?

- Llona Maher
- Jesse Owens
- Jordan Burroughs
- Michael Phelps
- Simone Biles
- Usain Bolt
- Yulimar Rojas
- Cat Osterman

What's the most memorable Olympics moment you've ever seen?

Michael Phelps breaking the record for most gold medals at the 2008 Beijing Olympics.

Muhammad Ali defeating Poland's Zbigniew Pietrzykowski to win the gold medal in the light heavyweight division at the 1960 Rome Olympics.

Yulimar Rojas Rodríguez, Venezuelan athlete, breaking the world record for the women's triple jump, at 15.74 m.

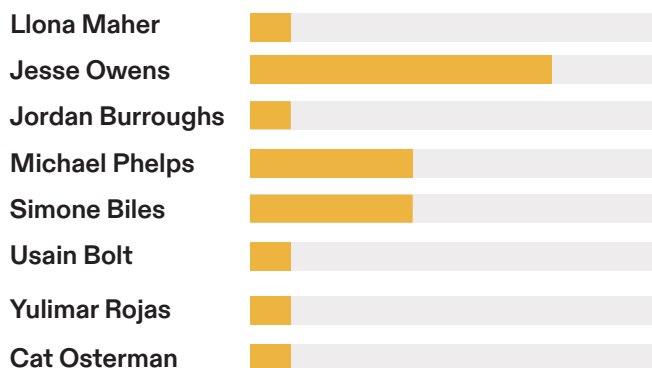**Yael Arad,** first Israeli to win an Olympic medal at Barcelona in 1992.

Kerri Strug scoring a 9.712 score in the vault, despite an ankle injury, to ensure the U.S. women's team the gold at Atlanta in 1996.

The 2004 U.S. softball team, nicknamed The Real Dream Team, dominating the Games that year by winning 9 straight games, outscoring opponents 51 to 1, and breaking 81 Olympic records.

Usain Bolt breaking the 100m world record with an untied shoelace in Beijing.

*Winter Olympics Honorable Mention: In 1980 at Lake Placid, the U.S. stunned Russia with a 4-3 victory, securing the gold medal in a historic upset.

What summer sport would you love to be added or returned to the Olympics?

Jump Roping / Double Dutch

Softball   Wave Runner Racing

Baseball   Powerlifting

Phoenix Nonprofit Teams Up with OSSIT to Achieve Compliance & Security

Help in Healing Home

Located on the Mayo Clinic campus in Phoenix, Help In Healing Home (HIHH), a nonprofit organization focused on creating a nurturing sanctuary for transplant and cancer patients, took charge of its technology.

In an organization devoted to supporting individuals during their most vulnerable moments, technology's reliability is foundational. It allows HIHH to concentrate on its mission—to inspire healing through comradery for its patients in an affordable, caring, home-like setting.

A dependable IT partner empowers HIHH to prioritize creating a comforting and healing environment for its guests, with fewer distractions from technical concerns.

Enter One Step Secure IT, an IT and cybersecurity service provider guiding HIHH on its mission to fortify its technology infrastructure. The partnership between HIHH and One Step Secure IT illustrates how their collaboration not only optimized daily operations but also paved the way for a future of high-quality care and seamless connectivity.

Dedicated to Making a Difference

Help In Healing Home creates a comforting, home-like environment for transplant and cancer patients. Each "casita" offers a comfortable and affordable place for both patients and their caregivers, making it ideal for those traveling long distances for treatment in the Phoenix metro area.

"It really makes a difference in their recovery. It's an extremely fulfilling role, working here at Help In Healing Home," said President and Chief Operating Officer John Karolzak.

John works closely with One Step Secure IT's virtual Chief Information Officer (vCIO) to create a plan for upgrading old technology, securing their network, and achieving Payment Card Industry (PCI) compliance.

With this technological enhancement, Help In Healing Home remains dedicated to providing the highest level of support and comfort to patients during their challenging journeys.

Maximizing Efficiency through Dedicated IT Support

John emphasized the significant advantage of having a single, dependable point of contact at One Step who promptly attends to any issues or concerns.

HIHH works closely with a dedicated Network Administrator (Net Admin) who ensures systems are updated, technology is functioning, and servers are maintained. One Step's understanding of HIHH's systems and network makes it possible for them to remotely access and troubleshoot various systems effectively.

John's trust in his Net Admin is evident in the decision to include him on the HIHH Cox Internet account. This empowers the Net Admin to swiftly address any Cox-related issues, eliminating the need for a middle person and delivering time-saving efficiency.

"I know that some other nonprofits will work with an organization, and when they call, they get a call center, and they may get a different person every time they call—who's not familiar with the relationship or the technology onsite," John said. "That can become very frustrating. It's easy to just direct dial your point of contact—your IT partner—and be able to achieve a resolution quickly."

Crucial Network Connectivity Supporting Daily Operations & Guests

Reliable network connectivity is crucial at Help In Healing Home, where they rely on a minimum of four online platforms for efficient organization management. These platforms cover guest reservations, scheduling, fundraising, and accounting and are essential tools for daily operations. Maintaining reliable and secure access to these platforms is of utmost importance, given the sensitive information they store.

When it comes to the guests HIHH serves, John emphasized the importance of having reliable and stable internet connectivity not only in the office but across the campus.

"When you look at the caretakers here and the guests, some of them are actually still working remotely for their job, so any downtime with our internet connectivity is challenging for our guests," he said.

If any issues arise, One Step Secure IT's Net Admin works to resolve them quickly and effectively. This ensures HIHH's operations can get back on track with little downtime and minimal disruptions to employees and guests.

Safeguarding Financial Transactions and Reputation with PCI Compliance

Compliance with Payment Card Industry (PCI) regulations and the ability to conduct seamless financial transactions is crucial for any organization, and the potential risk of losing that capability would have dire consequences. Not only would it disrupt day-to-day operations, but it could also harm financial stability, reputation, and relationships with clients and partners.

"We do handle financial transactions, and when I joined the organization, we were not PCI compliant," John said. "Now we're not at risk to have the bank turn off our ability to run financial transactions because that would be financially devastating for the organization."

HIHH benefits from the expertise of a dedicated compliance advisor who not only facilitates their alignment with PCI requirements but also offers continuous guidance to elevate their cybersecurity standards. Furthermore, routine vulnerability scans of their network enable One Step to promptly detect security issues and develop effective remediation plans.

Becoming PCI compliant brings HIHH in line with industry standards and ensures the security of financial data and transactions.

Bridging the IT Gap with Enterprise-Level Service for Small to Medium-Sized Organizations

Before joining the HIHH team, John worked for a billion-dollar private-sector public health organization for 34 years before retiring from that position. His experience provided insight into how enterprise-level organizations handle security, protect sensitive information, and prepare for the possibility of a cyber attack. In that position, John had the support of a full in-house security team, which included a Chief Information Officer (CIO).

"It wasn't even a concern in that role. If we needed anything, the CIO had a strategic plan, etcetera, etcetera…" he said. "When you look at an organization like Help In Healing Home, obviously, we're a very small nonprofit, so it just makes sense to have a good IT partner to be able to ensure that our technology environment is A) functional and B) secure, as well as being compliant."

Smaller organizations and businesses often find it impractical to employ a full-time Chief Information Officer (CIO). Yet, the necessity for crucial aspects like security, network reliability, strategic planning, and compliance remains. Collaborating with a trusted third-party provider such as One Step Secure IT to access the expertise of a certified virtual Chief Information Officer (vCIO) can be invaluable in meeting these needs.

Optimized Technology and Dedicated Support

The partnership between Help In Healing Home and One Step Secure IT has ushered in a new era of efficiency, security, and compliance for this compassionate nonprofit organization.

Their reliable internet, secure network, and PCI compliance now provide the necessary functionality for seamless daily operations. With a dedicated Network Administrator, HIHH benefits from efficient issue resolution.

This collaboration demonstrates how smaller organizations can access enterprise-level services for security, compliance, and technology needs. With One Step's support, HIHH can confidently steer toward the future, concentrating on upholding PCI compliance and network security, thereby ensuring they can consistently deliver top-notch care to their guests.
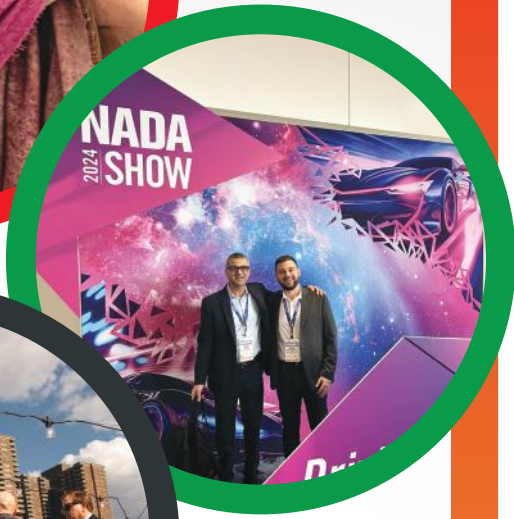
Upcoming Events
Meet Our Team!

The One Step team thrives on connecting with industry professionals and forging new relationships. We're excited to announce our participation in several upcoming events and look forward to meeting you there!

Check out our event schedule and make sure to stop by and say hello.
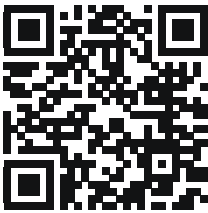
We can't wait to see you soon!

07/22   **GNYADA Charity Golf Outing**
Old Westbury, New York

09/12   **Arizona Technology Summit**
Phoenix, Arizona | Booth 308

09/13   **The Arizona Group Golf Event**
Phoenix, Arizona

10/09   **California Technology Summit**
Anaheim, California | Booth 301

For more information, scan QR code or visit our Events Page at:

www.OneStepSecureIT.com/Events

One Step on the Town

Summertime Security Check-In

Gold-Medal Security Inspection for Businesses

onestep
Secure IT Services

When was the last time you had a third-party look at your security practices to ensure you do not have any high-risk security gaps?

Things change quickly in the world of security. A third-party check-in is recommended quarterly.

Make sure your business is protected this summer with our **Summertime Security Check-In** offer.

Our Gold-Medal Security Inspection provides a comprehensive evaluation of your security measures, identifying any potential vulnerabilities that could compromise your business's safety.

Don't wait until it's too late to discover security gaps—act now to safeguard your assets and reputation. Contact us to schedule your **Summertime Security Check-In** and enjoy peace of mind knowing your business is meeting today's security standards.

To schedule your check-in, scan QR Code or call us at

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