



Evolution Scales its 24/7 Gaming with Exxact Hardware



Contents

Background	3
Challenge	4
Solution	5



Background

Evolution AB is a Swedish based gaming technology company pioneering online gaming, offering B2B live gaming experiences and interactive gaming to clients and users worldwide.

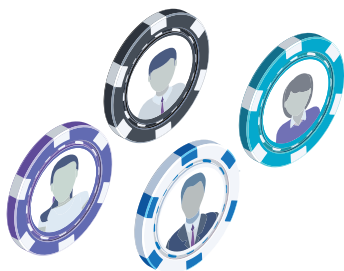
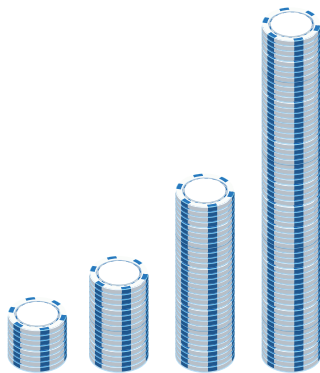
Players can access classic table card games with a live dealer, experience newly developed live game shows, or play traditional slot games from the confines of their own home. Clients can also leverage Evolution's innovative and creative interface to develop branded games by loading custom graphics and choosing unique color schemes for a tailored look and feel while utilizing Evolution's backend math and statistics.

Evolution's innovation has revolutionized high stakes gaming, bringing the industry online. During the tumultuous period of 2020-2021, online gaming experienced a significant surge in popularity as in-person gaming faced challenges. Since then, online gaming entertainment has continued its meteoric rise.

Evolution continues to expand its market reach by investing in existing and untapped regions in North America. Their business model relies on a robust, virtual machine environment capable of running multiple instances of games hosted on their computing infrastructure. Tens of thousands of active players must be sustained at any given time. This demanding infrastructure must ensure smooth, uninterrupted gameplay to provide an immersive and enjoyable experience for their customers and players.

Challenge

Evolution faces several critical challenges in maintaining its online gaming platform. These systems must operate with high availability and reliability to avoid downtime that can disrupt workloads, cause substantial financial losses, and lead to dissatisfaction among clients and players.



In order for Evolution to scale their computing, they required adherence to specific platforms when deploying new and additional systems.

When sourcing hardware from previous vendors, Evolution experienced impersonal customer relationships and numerous logistical challenges. To avoid further setbacks, they needed a new, reliable solutions provider with fast turnaround times to support the scaling of their US-based computing infrastructure.

24/7 High-Availability Virtualization

The gaming industry demands uninterrupted availability. Players stake assets for a chance to win big, and any unexpected outages can erode trust and create doubt in the platform's reliability.

Performance and Reliability

Each server in Evolution's expansive data center processes and analyzes vast volumes of data in real-time, running hundreds of thousands of calculations while delivering eye-catching graphics to ensure optimal gaming performance and a smooth and seamless gaming experience.

Scalability

As demand for online gaming continues to rise, Evolution must rapidly scale its resources to accommodate user growth in its region without sacrificing performance.

Solution

Evolution discovered **Exxact** Corporation, a leading HPC solutions provider, as the ideal partner to meet their computing requirements. Exxact's extensive catalog and industry partnerships enabled Evolution to secure the hardware necessary to advance their virtualization capabilities with the exact configuration required to run their operation.

“We had other vendors that did things we were unhappy with — it was just mistake after mistake, like getting hardware that was destroyed and a bunch of different issues. We haven't had that issue with Exxact.”

The dual-CPU 1U and 2U configurations Evolution received are well-suited for their workload, balancing performance, density, and scalability. In Virtualization workloads, CPU cores are divvied up to power numerous virtual machines for running unique calculations and game instances. The 1U configurations offer peak performance density in the smallest rack size, and the 2Us' slightly larger form factor slots additional storage drives.

Exxact Corporation builds, validates, and deploys high-performance solutions, including workstations, servers, and full-scale clusters, for businesses and research institutions. Exxact prides itself on its ability to configure solutions uniquely tailored to its clients, ensuring strict quality assurance and optimized performance for any workload, whether high-core-count virtualization or GPU-accelerated computing.

As Evolution continues expanding its US-based market, it relies on Exxact to provide the high-performance computing hardware needed to power its extensive gaming network, develop innovative games, deliver online gaming, and host live dealer experiences to people around the world.

