ARTIFICIAL
INTELLIGENCE

Sentia's Power AI Innovation Centre –
Helping to accelerate HPC, Analytics & Artificial Intelligence

Data, in all forms, continues to expand as a resource to be leveraged. With the continuing explosion of data, our ability to make sense of what is within the data has become the business challenge.

Cognitive computing unlocks the data, regardless of data type, and enables us to make sense of what is not possible with the human brain.

Businesses can now make better decisions, optimize processes and truly understand their customers needs through the power of cognitive computing.

IBM's Power AI platform helps accelerate the journey to knowledge by packaging a collection of open source frameworks, software and libraries, making it easy to acquire, install and achieve a deep learning infrastructure.

Sentia, through our Power AI Innovation Centre, would like to join you on your journey to cognitive computing. With extensive knowledge of IBM Power Systems and our AC922 platform for innovation, we are an intelligent choice to consider.

Customized for your needs

Sentia's Power Systems experts will customize our AC922 environment to enable you to test drive the power of IBM Power AI and their deep learning framework.

Innovation Centre AI Highlights:

- **Enterprise Software Distribution:**

  Binary package of major open source deep learning frameworks for ease of use deployment and update

- **Tools for Ease of Development:**

  Graphical tools to enhance data scientist and developer experience and improve productivity

- **Faster Training Time for Data Scientists:**

  Performance optimized for large model support and distributed deep learning

Short term test drives are available at no cost to you – Ask us for details

SENTIA

People + Technology
Building Value

For immediate assistance, **contact us at**
1.866.610.8489 or info@sentia.ca

For additional details, visit
www.sentia.ca

The Best System for Enterprise AI

IBM® Power System™ Accelerated Compute Server (AC922) delivers unprecedented performance for modern HPC, analytics, and artificial intelligence (AI). Enterprises can now deploy data-intensive workloads, like deep learning frameworks and accelerated databases, with confidence. AC922 enables the cutting-edge AI innovation data scientists desire, with the dependability IT requires. This is IT infrastructure redesigned for enterprise AI.

Capable of tackling the world's biggest AI challenges

Faster I/O - up to 5.6x more I/O bandwidth than x86 servers
The AC922 includes a variety of next-generation I/O architectures providing 2 to 5.6X the bandwidth over x86 servers.

The best GPUs - 2-6 NVIDIA® Tesla® V100 GPUs with NVLink
The AC922 pairs POWER9 CPUs and NVIDIA Tesla V100 with NVLink GPUs. This is the only server capable of delivering this I/O performance between CPUs and GPUs.

Extraordinary CPUs - 2x POWER9 CPUs, designed for AI
POWER9 supports up to 5.6x more I/O and 2x more threads than its x86 contemporaries. The POWER9 is available on configurations with anywhere between 16 and up to 44 cores.

Enterprise-ready - PowerAI DL frameworks with IBM support
PowerAI DL framework simplifies deep-learning deployment and performance. It unlocks a new, simpler end-to-end toolchain for AI users.

Next Gen PCIe - PCIe Gen4 2x faster vs PCIe Gen3 in x86
The AC922 is the industry's first server to feature 2x the data bandwidth of PCIe Gen 3 interconnects found in x86 servers.

Simplest AI architecture - Share RAM across CPUs & GPUs
AI models easily outgrow GPU memory capacity in most x86 servers. With the AC922, CPU to GPU coherence is 5.6x faster using NVLink. Sharing memory between CPUs and GPUs avoids the PCIe 3 bottleneck found in today's x86 servers.

Power Systems

From Here to AI…

People + Technology
Building Value

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