Industry Support for the NVIDIA-Powered Data Science Workstation

"A state-of-the-art active analytics platform is no longer an option but a necessity. NVIDIA and Kinetica have enabled us to do the impossible — render a high fidelity, 3D view of an oil basin using 100 billion data points at scale. The NVIDIA-powered Data Science Workstation and the Kinetica Active Analytics Platform are critical to the next phase of our project, accelerating the output of our data scientists and geo scientists to run GPU-accelerated models that make spatial and economic predictions faster for the most capital efficient recovery of resources out of the basin." -- Sanjay Paranji, CTO at Anadarko Petroleum Corporation

"We have a diverse, multi-disciplinary environment and are looking to couple data science and analytics to a wider range of our technical practices throughout our business. The NVIDIA-powered Data Science Workstation promises to ease the transition and democratize the application of data science. We find it extremely well-suited to experimentation, exploration, solution discovery and early prototyping work. Its combination of well-designed software and highly performant hardware provides 20x and higher speed-ups in our analytics work and our team found its ease-of-use liberating." -- Steve Walker, Associate Director of Advanced Digital Engineering at Arup

"As a key contributor to the RAPIDS codebase and ecosystem, we care about getting data scientists quickly up and running with scalable, GPU-accelerated, end-to-end analytics solutions. The new NVIDIA-enabled Data Science Workstations come ready to go with a massive amount of available GPU memory and easy access to data science environments like RAPIDS AI, TensorFlow, XGBoost and more, allowing data scientists to seamlessly run workloads that would typically run on dozens, if not hundreds, of CPU servers." -- Rodrigo Aramburu, CEO of BlazingDB

"Data is valuable currency in an economy where success favors businesses that get their ideas to market the fastest. The NVIDIA-powered APEXX X3 workstation will help our customers achieve significant performance gains with an out-of-the box solution designed to develop accurate models quickly, inform big decisions and reduce time to insight." -- Bill Leasure, VP of Marketing at BOXX

"Delivering near real-time data science is a game changer when it comes to making sense of our network data. Before, we had access to terabytes of data daily with no efficient way to gain insights out of it. Now, every time we look at the data, we see something new that we can take immediate advantage of. This is made possible by NVIDIA-powered Data Science Workstations at our desks. The combination of RAPIDS and software from Datalogue and OmniSci completely changes the way we collect, process, visualize and understand data. We are able to build models to predict high-surge Wi-Fi usage, offload access points swiftly and streamline operations to save millions of dollars." -- Jared Ritter, Director of Wireless Engineering at Charter Communications

"Datalogue's platform enables data scientists and data engineers to extract, understand, transform, and load their oceans of data using our first mile data prep solution. Our platform enables customers to dramatically reduce their time to data and, as a result, reduce their time to insights and their time to market for data products. Working on NVIDIA-powered data science workstations, data scientists with

access to our platform will be able to easily access ready-to-use data and pull them into AI experimentation workflows faster." -- Tim Delisle, co-founder and CEO of Datalogue.

"Artificial Intelligence (AI) and Machine Learning (ML)technologies are game-changers for businesses embarking on digital transformation efforts. The systems our customers rely on are becoming smarter. This, along with increased computing power and capabilities are helping all of us make better informed decisions that are leading to tangible business outcomes. For organizations of all sizes, there's a huge opportunity to speed up processes and deliver tailored services to increase customer loyalty, engagement and satisfaction. Dell is in a unique position to offer edge to core to cloud solutions and expertise to customers looking to implement AI and ML into their workloads. Dell Precision workstations, in combination with NVIDIA's reference architecture for data science, will help to streamline data into useful and actionable information while updating IT infrastructure with technology that best suits a customer's needs." -- Tom Tobul, VP, Specialty Commercial Client Solutions at Dell

"Graphistry users open their eyes wide when they first experience GPU visual analytics tech for instantly seeing and interacting with all their event data. Out-of-the-box, DSWS is giving our users faster experiences over even more data. Internally, we bet big on making Graphistry Core the first GOAI-native visual analytics engine. After a hard year, the shift has been remarkable: out-of-reach techniques like multi-GPU acceleration are now our new normal, and it's clear this is just the beginning of the road for our community." -- Leo Meyerovich, Founder and CEO of Graphistry, Inc.

"The H2O Driverless AI platform powered by NVIDIA-enabled Data Science Workstations allows customers to improve the productivity of their data scientists by making better predictions faster. Through this effort we continue to democratize AI and build the ecosystem that makes AI accessible to all." -- Vinod Iyengar, VP Product Marketing at H2O.ai

"The value of understanding data in running a business is clear, yet there is a current lack of tools, technology and education in data analytics and data exploration. HP Z Workstations, powered by Quadro RTX and RAPIDS, provide the performance and power to help our customers benefit from big data – all in an easily deployable solution." -- Bruce Blaho, Vice President, HP Fellow and Chief Technologist for Z by HP at HP Inc.

"Active analytics require continuous analysis of streaming and historical data, location analysis and machine learning-powered analytics. The combination of the NVIDIA-powered Data Science Workstation, RAPIDS and Kinetica will enable our customers to unify the traditionally siloed workflows of analytics and machine learning, simplifying data engineering and making active analytical application development a reality." -- Irina Farooq, Chief Product Officer at Kinetica

"Lenovo is proud to partner with NVIDIA to release the Data Science Workstation – delivering unmatched performance to meet the rigorous computing requirements of today's most challenging AI models. Powered by NVIDIA Quadro RTX professional GPUs and offering an NVIDIA RAPIDS-ready platform, our Lenovo ThinkStation AI Workstation offers users who face challenging machine and deep

learning models the ability to dramatically transform the efficiency of their workflow." -- Rob Herman, General Manager of Workstations and Client AI at Lenovo

"The NVIDIA-powered data science workstation enables our data scientists to run end-to-end data processing pipelines on large data sets faster than ever. Leveraging RAPIDS to push more of the data processing pipeline to the GPU reduces model development time, which leads to faster deployment and business insights." -- Mike Koelemay, Chief Data Scientist at Lockheed Martin Rotary & Mission Systems

"The NVIDIA Data Science Workstation combined with MapR Dataware provides data scientists with a level of development capabilities that has been historically unavailable. We are able to simplify the entire AI software development lifecycle by bringing real-time data, database tables and files directly to the data scientist — all while enabling unprecedented governance controls for versioning of all the data, data models and source code to simplify the entire data science lifecycle." -- Jim Scott, Director of Enterprise Strategy and Architecture at MapR Technologies, Inc.

"The NVIDIA-Powered Data Science Workstation provides significant capabilities for training deep neural networks for robot perception, especially through increasing batch size thanks to very large VRAM. With it, the MIT FAST Labs' ability to train drones to see depth and avoid collisions from a single camera was significantly accelerated because we could process larger batch sizes—helping them avoid collisions with objects without the use of lidar or stereo cameras." -- Sertac Karaman, Associate Professor of Aeronautics and Astronautics at the Massachusetts Institute of Technology

"NVIDIA GPUs have enabled OmniSci (formerly MapD) to offer users an unprecedented combination of both interactivity and scale in data analytics. The newly announced NVIDIA-powered Data Science Workstation provides an unparalleled infrastructure to data scientists who can leverage the power of the OmniSci platform and NVIDIA's Rapids libraries to build truly end-to-end workflows spanning SQL-based visual analytics and data science, all powered by the performance of NVIDIA GPUs, to uncover insights at the speed of curiosity." -- Venkat Krishnamurthy, Vice President of Product Management at OmniSci

"Raytheon technology defends thousands of miles of borders for nations around the world, and much of that work requires monitoring huge expanses of land and open ocean for weapon smuggling. By using NVIDIA's latest Data Science Workstation, we've been able to reduce the time it takes to develop machine learning models that detect weapons in imagery. We've drastically reduced development time from days to hours for our data scientists. That means less time spent sifting through data, and more time stopping weapons from getting into the wrong hands." -- Dr. Shane Zabel, Chief Artificial Intelligence Officer at Raytheon Intelligence, Information and Services

"Our initial look at the NVIDIA-Powered Lenovo AI workstation showed significant performance gains. Data scientists will appreciate being able to move more quickly through the analytics life cycle, which will allow them to address and support more analytics needs to transform business processes." -- Gavin Day, Senior Vice President for Technology at SAS