CLIP at Vienna BioCenter

Revolutionizing life sciences and interdisciplinary research with easy access to ultra-modern HPC platform.

Solution components
Hardware

- Lenovo ThinkSystem SD530, SR630, SR650, SR670, SR850, and SR950 servers
- NVIDIA® A100 40GB Tensor Core GPU
- NVIDIA Tesla V100S GPU
- NVIDIA V100 Tensor Core GPU
- NVIDIA Quadro RTX 6000 GPU
- Lenovo Scalable Infrastructure

Software

- Lenovo XClarity Administrator
- Lenovo XClarity Controller

Services

- Lenovo Deployment Services – HPC Support
- Lenovo Hardware Installation Services
- Lenovo Post Warranty Services
- Lenovo Preconfigured Support – Warranty Service Upgrades, Coverage hours, Response time

Vienna BioCenter is the leading life sciences campus in Europe. To support breakthrough research, Vienna BioCenter established the Cloud Infrastructure Platform (CLIP), a high-performance computing (HPC) service specializing in life sciences and high-energy physics in collaboration with CERN. With cutting-edge research demanding more GPU resources for faster insights and improved cost-efficiency, CLIP deployed a total of 200 Lenovo ThinkSystem servers equipped with NVIDIA® GPUs, including the powerful NVIDIA A100 Tensor Core GPU. Lenovo offered a flexible HPC agreement ready for growth and delivered the HPC solution four times faster than any other vendor could, minimizing delays and speeding up complex research projects. Today, 8,000 CPU cores and 120 NVIDIA GPU accelerators enable 350 researchers from 14 institutes to leverage artificial intelligence, machine learning, and deep learning with TensorFlow for faster insights, facilitating new discoveries to shape the future.

"Our mission is to save researchers time and money so they can be true pioneers in their fields. At the end of the day, it is thanks to science that we're not living in caves anymore! With Lenovo and NVIDIA HPC solutions, we help advance science further every day."

Ronny Zimmermann,
Head of IT, Cloud Infrastructure Platform (CLIP) at Vienna BioCenter

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