Strand was founded in 2000 by computer science and mathematics professors from India’s prestigious Indian Institute of Science who recognized the need to automate and integrate life science data analysis through an algorithmic and computational approach. Strand’s segue into the life sciences was through informatics products and services for research biologists, chemists, and toxicologists that combine advanced visualization, predictive systems modeling, data integration and scientific content management. Over 2000 research laboratories worldwide (about 30% of global market share) are licensees of Strand’s technology products, including leading pharmaceutical and biotechnology companies, research hospitals and academic institutions. With a recent investment by Biomark Capital, Strand has grown its established team to over 200 employees, many with multidisciplinary backgrounds that transcend computation and biology.

Since 2012, Strand has been expanding its focus to include clinical Genomics, spanning sequencing, data interpretation, reporting and counseling. Strand operates a 10,000 square foot laboratory space with state-of-the-art clinical Genomics capabilities and is also establishing Strand Centers for Genomics and Personalized Medicine in several hospitals around the world to serve as outreach points for Genomic counseling. Based on the experience gained from sequencing, analyzing, interpreting and reporting on clinical samples over a wide variety of clinical indications, Strand has developed an end-to-end solution for clinical labs that handles all stages from analysis to reporting. The interpretation and reporting software platform has been designed and developed specifically for the medical professional, ranging from the molecular pathologist to the physician. By enhancing sequence-based diagnostics and clinical Genomic data interpretation using a strong foundation of computational, scientific, and medical expertise, Strand is bringing individualized medicine to the world.

For more information about Strand, please visit www.strandls.com, or follow us on twitter @StrandLife.
**Centralized Storage**
- Data and analysis results from multiple users stored in one place in a safe, backed-up manner.
- Data can be backed up regularly, possible to repeat backup weekly or monthly.
- Option to do the backup incrementally.
- Allows storing data in a new location, in case the current location is full, making incremental expansion of storage possible.

**Scalable Compute**
- Multiple compute nodes managed by the server to handle heavy computing.
- Compute can be scaled up by simply adding new machines to the network and configuring them as compute nodes.
- Higher reliability due to the distributed nature of the compute.
- Execution of tasks on a first-come, first-serve basis with a possibility for the administrator to reorder them if necessary.
- Status dashboard to show the task status and logs.

**Collaborative Analysis**
- Allows different people working on the same project to easily collaborate with each other.
- Samples, analysis, and workflow pipelines can be shared.
- Objects can be shared with an individual user or a group.
- Sharing can be done with either read-only or read-write permission.

**Web-based Interface for System Administration**
- Allows creating and managing users and groups.
- Facilitates managing the compute resources.
- Allows the administrator to suspend, reschedule, reorder, or delete tasks.
- Group administrator sees only the tasks from his group members.
- System logs and usage can be monitored.

**Easy and Flexible Deployment**
- Major components of the Server Edition have separate installers and can be installed independently.
- Possible to have the Server, Compute, and the Storage on one big machine or on different machines depending on the available resources and the needs of the enterprise.
- Can have either node-locked licenses or shared floating licenses depending on the need.
Strand NGS - Server Edition

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About Strand

A History of Innovative Genomic Research

Strand Life Sciences is a global genomic profiling company and leader in precision medicine diagnostics, aimed at empowering cancer care and genetic testing for inherited diseases. Strand works with physicians and hospitals to enable faster clinical decision support for accurate molecular diagnosis, prognosis, therapy recommendations, and clinical trials. The Strand Center for Genomics & Personalized Medicine is India’s 1st and only CAP & NABL accredited NGS laboratory.

www.strandls.com

A Trusted Partner to Companies Worldwide

For 15 years, our genomics products and solutions have facilitated the work of leading researchers and medical geneticists in over 2,000 laboratories and 100 hospitals around the world.

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