



Security & Compliance

Innovative

Enterprise security and compliance is central to ROSALIND's strategy. ROSALIND secures customer data, communications, and proprietary information according to industry-leading practices for cloud-based platforms.

Collaborative

ROSALIND operates in a secure and private environment on the Google Cloud Platform and does not utilize traditional public cloud services. All platform services are developed and maintained by our expert scientists and developers based in our San Diego, California headquarters.

Scaleable

ROSALIND provides companies peace of mind through the following:

Actionable

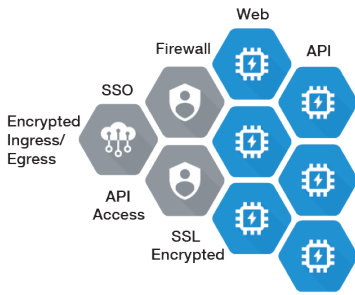
- Cloud Security that conforms to international standards
- Is HIPAA Compliant
- Enterprise Grade Virtual Private Cloud

Secure

- Data Center Certifications:
 - SOC 1/2/3, ISO 27001, ISO 27017 / 27018, PCI-DSS
- Follows FAIR Principles
- Offers Enterprise Single-Sign-On (SSO) as an optional service
- Uses SSL and certificates to secure all communications
- Web-application configuration utilizes industry-standard ports 443 for SSL, 80 for all HTTP traffic and 8080 for secure API
- Maintain formal development and bug management processes

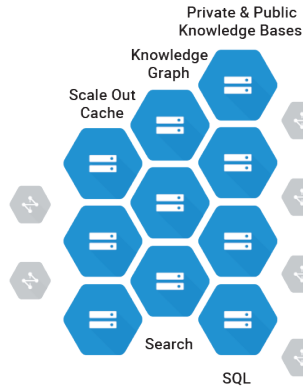
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Secure Front-End



Load Balanced, Fault Tolerant, Redundant, Encrypted

Knowledge Mgmt



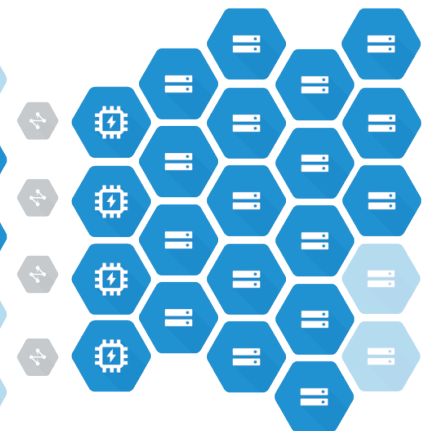
FAIR Data Management
100G Encrypted Network

Scale-Out Compute



Dynamic, Scale-Out
Multi-Omic Compute Nodes

Distributed Data Store



Fault Tolerant, Redundant, Distributed,
Striped, Encrypted + Backup

HIPAA Compliant

The ROSALIND Clinical and Research Platform has been verified for compliance with the Health Insurance Portability and Accountability Act (HIPAA). This ensures that the platform has adequate protections in place to support clinical trials and other patient-centered applications.

FAIR Data Principles

ROSALIND conforms to the FAIR Guiding Principles for scientific data management and stewardship. This ensures that data is Findable, Accessible, Interoperable, and Reusable. The ROSALIND Knowledge Graph organizes the data so that artificial intelligence algorithms are able to easily operate on them. This also provides convenient search capabilities for human analysts.



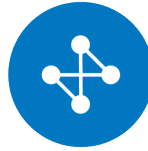
Secure
Administration



Real-Time
Monitoring



Real-Time
Logs and Audit



Bioinformatics
Integration

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