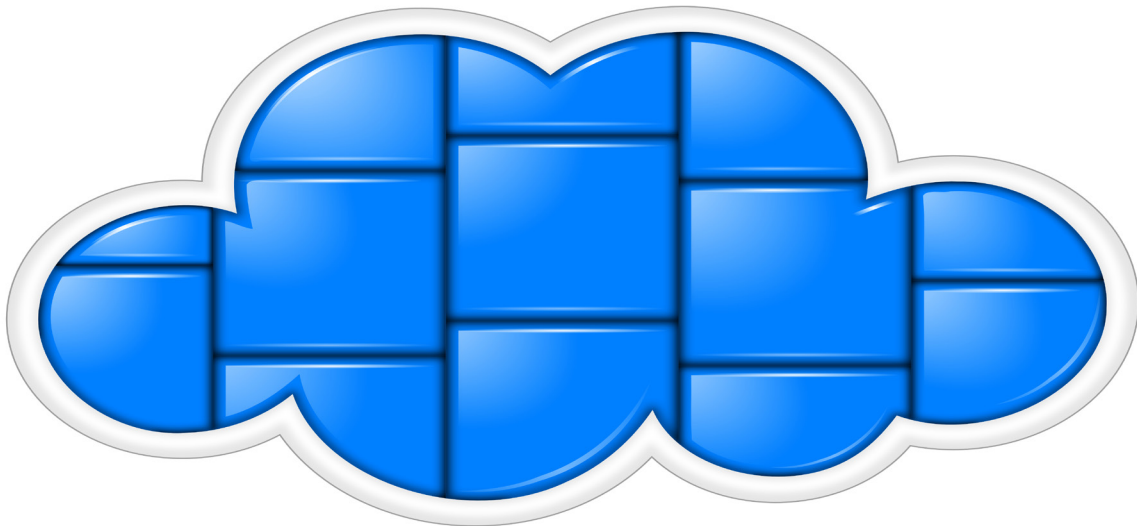
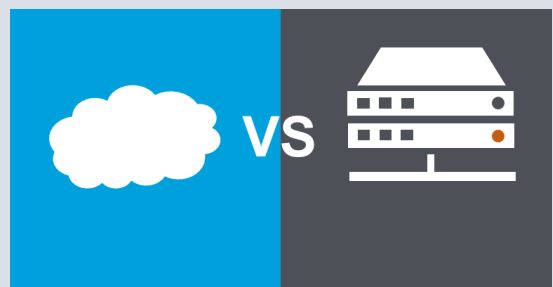


## Cloud Hosted LIMS



### Changing Technology

Technology platforms continue to evolve that affect the risk and cost involved in maintaining informatics solutions. Such changes mean that each organization needs the flexibility to adjust how they make LIMS available to their user community. As a solution provider, Autoscribe Informatics knows how important it is that our customers have choices in the way their LIMS is deployed and that the preferred option may change over time.



This document explains Autoscribe's offerings for cloud hosting of our customers' LIMS.

# Dedicated Virtual Environment



Unlike some vendors whose multi-tenant solutions put everyone into the same box with limited ability to tailor the LIMS to meet unique needs, each system hosted by Autoscribe exists within its own virtual environment. A dedicated instance per customer system supports several key advantages:

- Each customer's system is independent. It may be fully tailored to meet their unique functional requirements.
  - System maintenance periods may be timed for mutual convenience. No customer is forced to upgrade just because other customers are doing so.
  - Your LIMS data is kept securely in its own database, within your virtual environment, within a highly secure data centre, ensuring the highest level of security.
- Customers can fully test/validate configuration changes, upgrades or enhancements prior to deploying changes on the live system.
  - No need to be concerned about the potential for cross-organizational data access (no shared database).

The Matrix Gemini Cloud Hosted LIMS provides complete security for your data. Our data centre facilities are up to Tier IV compliant, built to be completely fault tolerant, and provide an expected up-time of 99.995% (26.3 minutes a year downtime). The data centre assets are provisioned, managed and audited to Service Organization Control (SOC) 2 Type 2 standards, ensuring your cybersecurity and operational needs are met.

Users login to Matrix Gemini using the web application as normal. Administrator access via secure remote desktop, if needed, enables admin activities such as configuration changes. Automated backups of your data are taken daily and kept for 7 days by default. Both the frequency and retention time of backups may be extended. In the unlikely event of a system failure we aim restore operations within 3-4 hours. As an additional service a secondary (Disaster Recovery) data centre can be setup, providing a hot standby in case of failure/loss of the primary data centre. These, and other extensions to the standard service contract are available on requested. Our highly flexible cloud offering provides everything you would expect, or need, however complex your requirements.

Laboratory management solutions usually require connectivity to your laboratory instruments and other external IT systems. This is provided via secure FTP links to transfer instrument files to the cloud system, or via a secure IP interface. Requirements are different for each laboratory and are assessed on a case-by-case basis.

Matrix Gemini Cloud Hosted LIMS provides a solid, secure, infrastructure for your Laboratory Information Management System. It includes backup, disaster recovery, and embedded security you can trust in a fixed-cost price model. Whether you are using cloud to limit IT infrastructure costs, to relieve pressure on your internal data centre hardware, or to have a more agile and scalable approach, then contact us to discuss your options with Autoscribe cloud hosting services.

# Cloud Environment Features

Feature	Details
Matrix Gemini Licensing	Perpetual or subscription 'concurrent user' license. Unlimited user accounts. Dedicated administrator licenses provide access to admin functions.
Cloud Hosting	Annual renewal. Individually provisioned hosting environment. Scalable resource capacity on demand.
Secure Data Centres	Highly secure, fault tolerant Data Centres up to Tier IV, with an expected up-time of 99.99%.
Geographic Selection	Worldwide location options for customers with requirements to keep all data within a defined geography.
Managed to High Standards	Managed to SOC 2 Type 2 standards. Ensures effective operational management and cybersecurity.
Regular Backups	Daily Backups kept for 7 days as standard. More granular backups (i.e., hourly) and longer retention periods (i.e., 90 days) available.
Scalable Capacity	Full machine virtualization ensures that additional memory/processing capacity may be added as needed.
Maintenance Updates	Pre-scheduled operating system, firmware, security, and application software updates, in your virtual environment, at a time that suits you.
Disaster Recovery	Disaster recovery models such as total environment fail-over may be tailored to your specific business needs.
Virtual Hardware	Database and Matrix Gemini Web application servers, with capacity optimized for the anticipated load requirements.
Production and Development Environments	Multiple options for production, development, testing, archive etc. environments can be achieved based on specific business rules.
Instrument and External Systems Interfaces	Ability to link instruments in the laboratory and other external IT systems to the cloud hosted LIMS, via secure FTP or IP interfaces.
Performance Management	VM capacity and Database administration.
Monitoring	System monitoring proactively identifies and fixes potential issues and performance constraints.

# Autoscribe Software Solutions

Autoscribe's philosophy is to allow maximum flexibility for our customers. This is reflected in our uniquely flexible configuration techniques that allow configuration to match your exact requirements without writing any programming code. Likewise our flexible deployment options provide cloud or on-premise solutions to suit your exact needs.

Our continued commitment is to ensure that our solutions keep pace with technology developments and to provide our customers flexibility rather than be boxed into a single path because we know that each laboratory is different.

## About Autoscribe Informatics

Autoscribe Informatics offers industry leading configurable future-proof database management applications. Solutions include Laboratory Information Management Systems (LIMS) and Quality Management Systems that are configured to match user requirements.

Our worldwide team of LIMS, scientific and business software professionals are passionate about delivering solutions that meet the evolving needs of our customers. We leverage our highly configurable solutions and our 30+ years of experience to help our customers automate their processes to work more efficiently, provide real cost savings and meet regulatory compliance needs.

## For Further Information Contact:



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