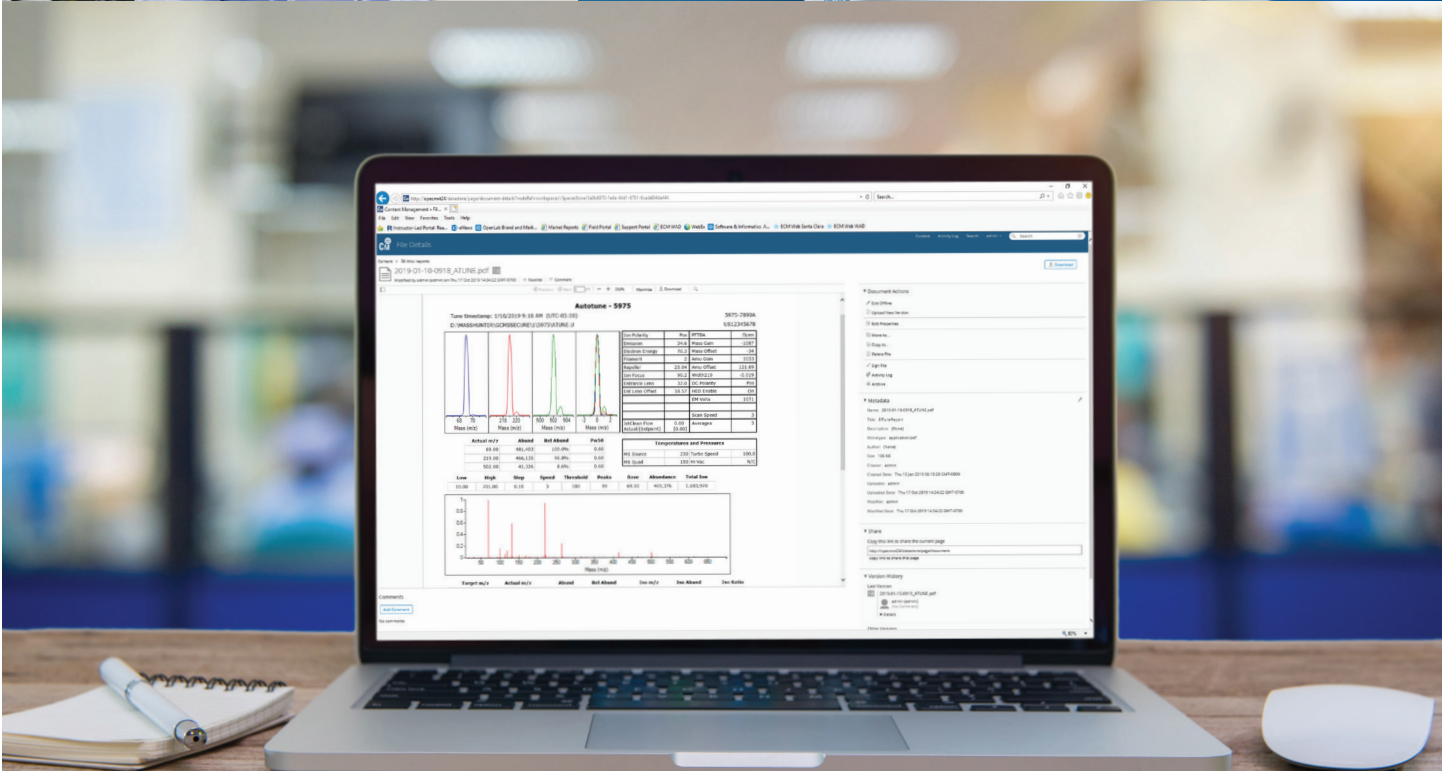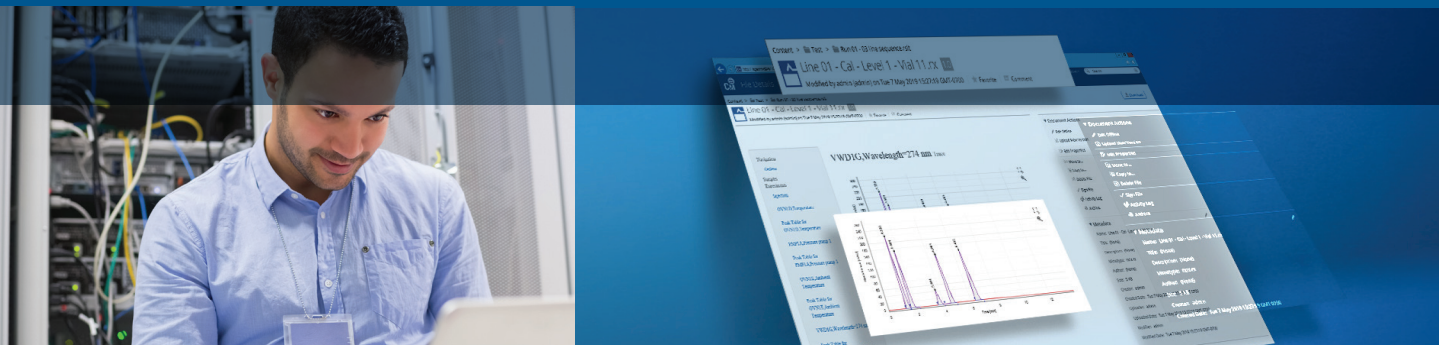# Agilent OpenLab Data Management Solutions

Smarter, simpler, safer for storing
and managing scientific data

It's Time for a More Sophisticated Approach to Data Management

It's a question every lab manager faces sooner or later: isn't there a more efficient, secure way to manage our data?

In most cases, the question is sparked by mounting frustrations with the traditional approach to data management: each instrument's data must be managed individually and manually. This approach is a burden on lab managers and staff alike because it is:

Disconnected: Systems are standalone or weakly integrated, so it can be difficult to collect, organize, and secure instrument data. The result is people transporting and transferring the data manually.

Inefficient: The lack of integration makes it difficult to collaborate and find the right information to answer questions quickly. It is also time-consuming and expensive to add new instruments and update to the latest software.

Insecure: Standalone systems increase both human error and the risk of a data breach or data loss. Data backup is manual and ad hoc, and there are often no standards for employing and enforcing data integrity strategies.

If you haven't made your move to a networked data system, the time has come. Agilent offers many compelling options to help you accelerate the transition to a networked model and achieve the benefits faster.

Look to Agilent for Data Management that is Simply Smarter

Agilent overcomes the limitations of ad hoc data management with a range of integrated, centralized solutions that can support:

- Instrument data from Agilent and other vendors
- Data in all formats
- Searchable, customized organization of data
- Advanced data integrity capabilities

With Agilent you can harness the benefits of the network and eliminate manual data transfer once and for all. Specifically, the advantages of our approach include:

Seamless integration and connectivity

Agilent data management offerings provide a single point of access to data generated from the following (whether from Agilent or other vendors):

Instruments

Data systems & lab software

All of this integration happens behind the scenes, with nothing required of end users. Your lab staff does not have to change the way they work or the way they interact with their software.

With access to data from a single source, lab staff can collaborate without compromising data integrity and create consistent processes for workflows such as method rollouts. Information quality, information sharing, and efficiency all improve dramatically. For example, it becomes possible to retrieve and re-use data from other lab systems such as laboratory information management systems (LIMS) and electronic lab notebooks (ELNs).

"Learning and using OpenLab software has been really simple. An Agilent rep provided onsite training for each of the systems. We learned about OpenLab ECM in a day and that was sufficient"

– **Analyst,**
Dietary Supplement Manufacturer

Securely manage your analytical reports and instrument data

Simplicity for maximum efficiency, minimum disruption

Agilent data management solutions simplify lab operations through automation, create higher efficiency, and facilitate collaboration—with no disruption to your current practices. For example, users can:

- Access and retrieve information instantly and more effectively.
- Backup and restore data via a single automated system.
- Centralize the storage of data to provide a single record of truth.
- Access results and reports remotely, so instruments and staff keep working during data reviews and inspections.
- Automatically secure and file reports and other records to expedite collection and organization of data.

"Responding to end-customer needs for easier, more efficient software and data management resulted in greater collaboration between departments."

– **IT Manager,**
Contract Manufacturing Organization
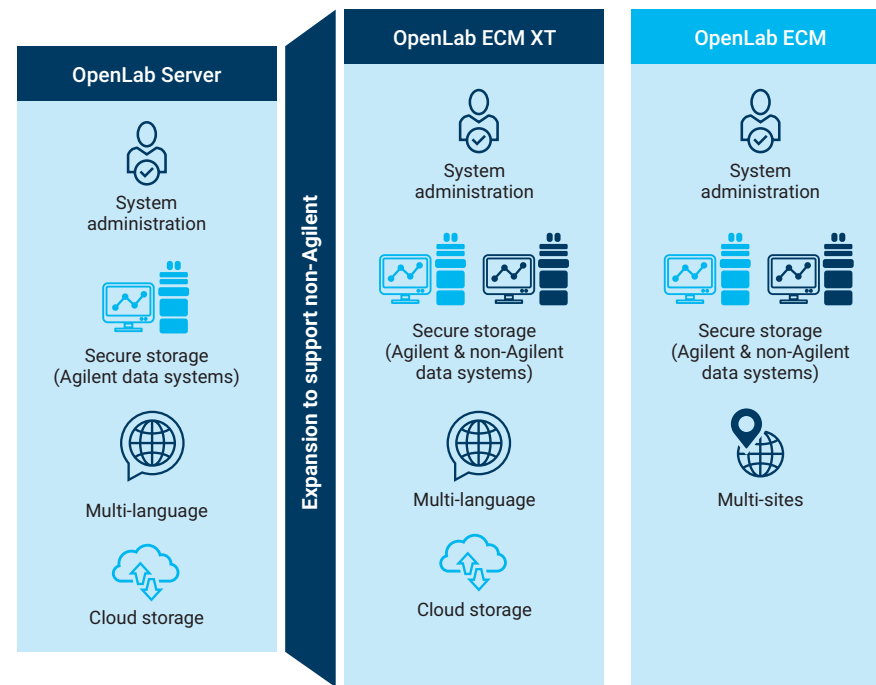
Ensuring and demonstrating data integrity

– Agilent data management offerings provide accurate, consistent, and continuous record-keeping, making it easier to support compliance with ISO/IEC 17025.

– Your lab can quickly verify that data is attributable, legible, contemporaneous, original, accurate, complete, consistent, enduring, and available as required by data integrity mandates of ALCOA+.

Data integrity and security

The central storage system and technical controls provided by Agilent offerings:

– Ensure data security with a system that works with the safeguards of your infrastructure and leverages standard IT processes.

– Improve business continuity through easier disaster recovery capabilities.

– Understand how your data was created and/or modified via activity log and versioning.

– Use sophisticated access controls to ensure that the right people have secure access to the right data.

– Protect completed work by locking data of a specified age or status from further editing.

Flexible solutions for all data management

OpenLab Server
System administration
Secure storage (Agilent data systems)
Multi-language
Cloud storage

Expansion to support non-Agilent

OpenLab ECM XT
System administration
Secure storage (Agilent & non-Agilent data systems)
Multi-language
Cloud storage

OpenLab ECM
System administration
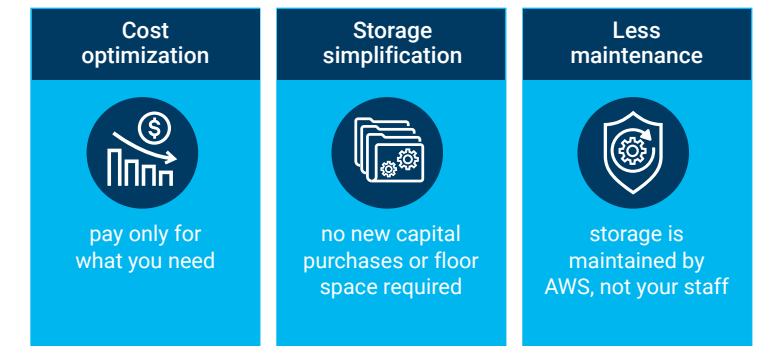Secure storage (Agilent & non-Agilent data systems)
Multi-sites

Leverage Amazon S3 to simplify storage

Agilent OpenLab Server and OpenLab ECM XT use Amazon Simple Storage Service (Amazon S3), an object storage service that offers industry-leading scalability, data availability, security, and performance.

The Ideal Starting Point for Cloud Adoption

By adopting Agilent data management solutions, you position your lab to take full advantage of cloud benefits, including:

Cost optimization
pay only for what you need

Storage simplification
no new capital purchases or floor space required

Less maintenance
storage is maintained by AWS, not your staff

Talk to Us and Get the Details

Explore the benefits of our data management solutions. **Contact an account representative** or **visit our website** to learn more about specific product offerings, and cloud storage.

Learn more about our data management offerings:

www.agilent.com/chem/datamanagement

Visit the Agilent Community:

Get answers to your technical questions and access resources in the Agilent Community:

community.agilent.com

Find an Agilent customer center:

www.agilent.com/chem/contactus

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Trusted Answers