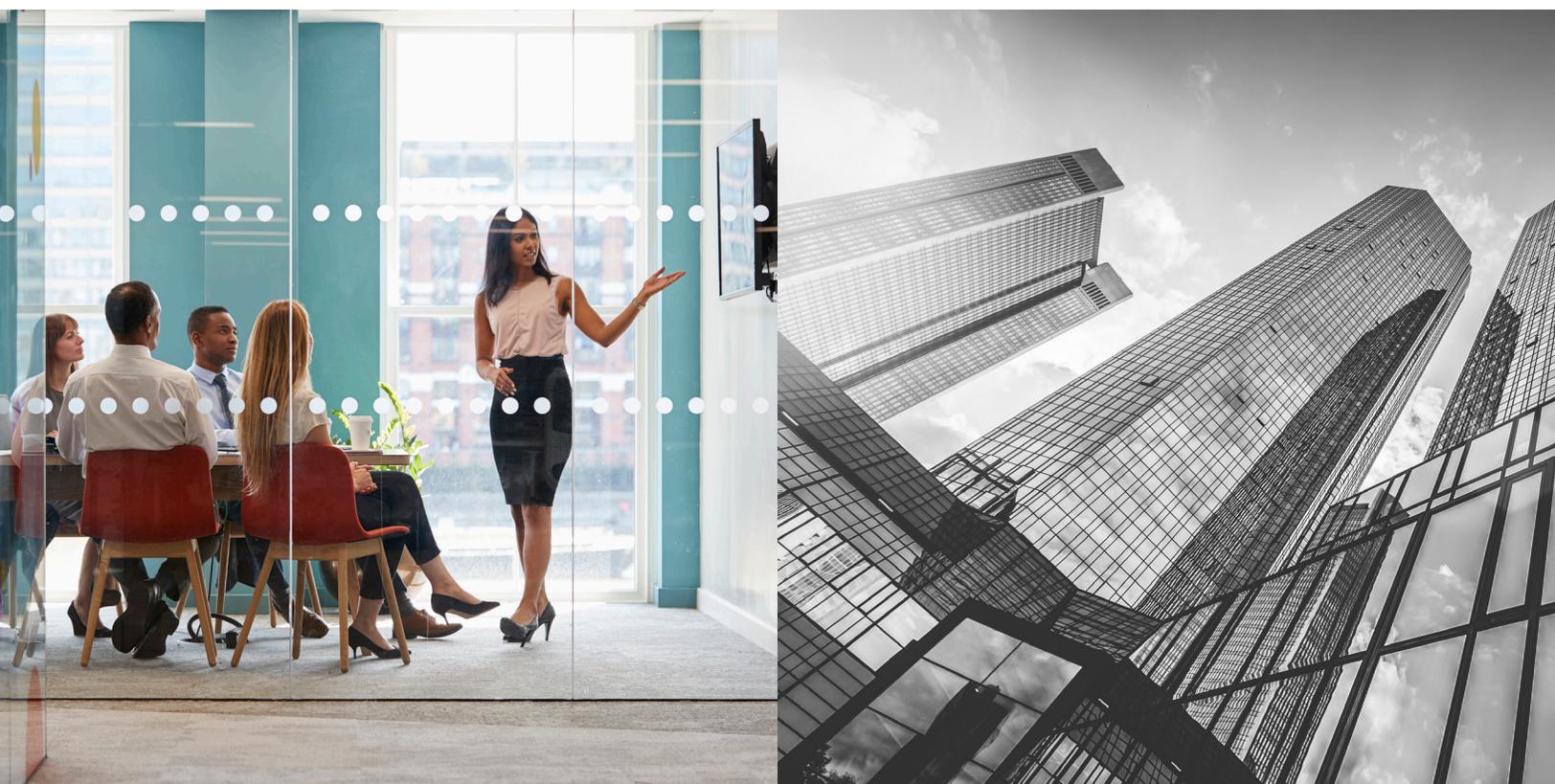
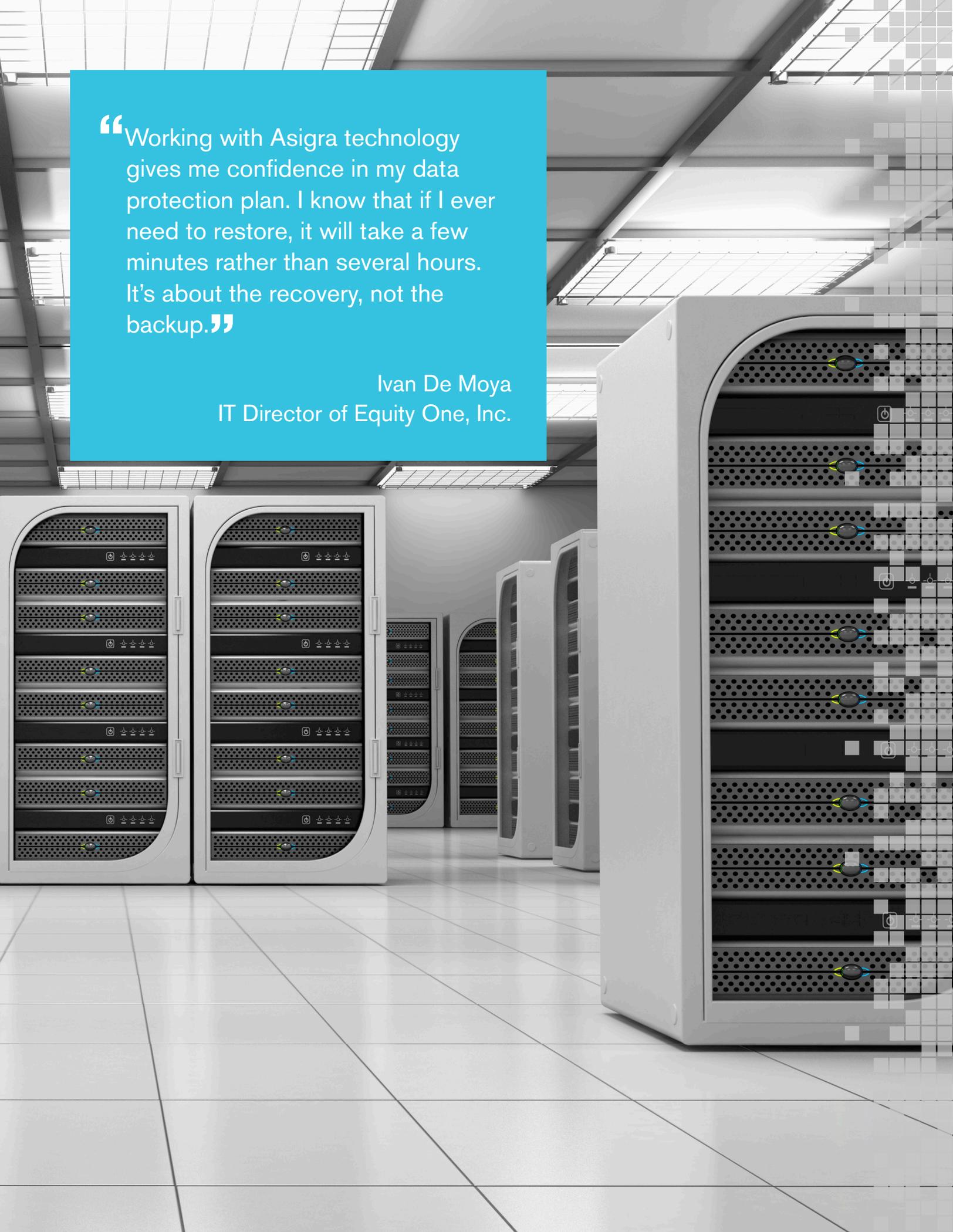


Evolved Backup and Recovery for the Enterprise



“Working with Asigra technology gives me confidence in my data protection plan. I know that if I ever need to restore, it will take a few minutes rather than several hours. It’s about the recovery, not the backup.”

Ivan De Moya
IT Director of Equity One, Inc.



Your company's single most valuable asset may be its data.

Customer data, product data, financial data, employee data — this is the lifeblood of modern organizations. And when something goes wrong, you will not define success by how the data was backed up — all that matters is getting your data back. All of it. All the time. All correct. All at once.

In data backup, recovery is everything. With this as the ultimate goal, your data protection software solution should deliver maximum:

- Security
- Manageability
- Reliability
- Affordability

Comprehensive Data Protection and Recovery from Anywhere, Anytime

Asigra Cloud Backup protects all of your organization's critical data, including applications and databases. Whether your data is on physical servers, virtual machines (VMs), Docker containers, desktops, laptops, smartphones, or tablets, or in SaaS-based applications (Google G Suite, Salesforce.com, or Microsoft Office 365) or cloud-based platforms (Amazon Web Services or Microsoft Azure), Asigra Cloud Backup is your complete data protection solution.

With Asigra, you avoid the cost, complexity, and protection gaps that are inherent with point solutions — solutions designed to protect only one or a small handful of data source types. The central administrative dashboard provides you with an organization-wide, real-time-view of your data protection status across all protected data sources, enabling you to quickly identify protection failures. Any failures can be immediately addressed using the same dashboard.

Although Asigra Cloud Backup is a single data protection solution for your entire enterprise, it does not force 'one-size-fits-all' protection on your data sources. Instead, Asigra recognizes that different data sources and workflows within your organization could have very different protection needs. For example, some VMs may need to be backed up once while others may require daily backups. Other VMs running mission critical apps may need to be replicated hourly to a warm standby VM for fast failover and disaster recovery purposes. With Asigra, you can easily establish rules like these on a granular basis to achieve your organization's overall data protection objectives without making any compromises.



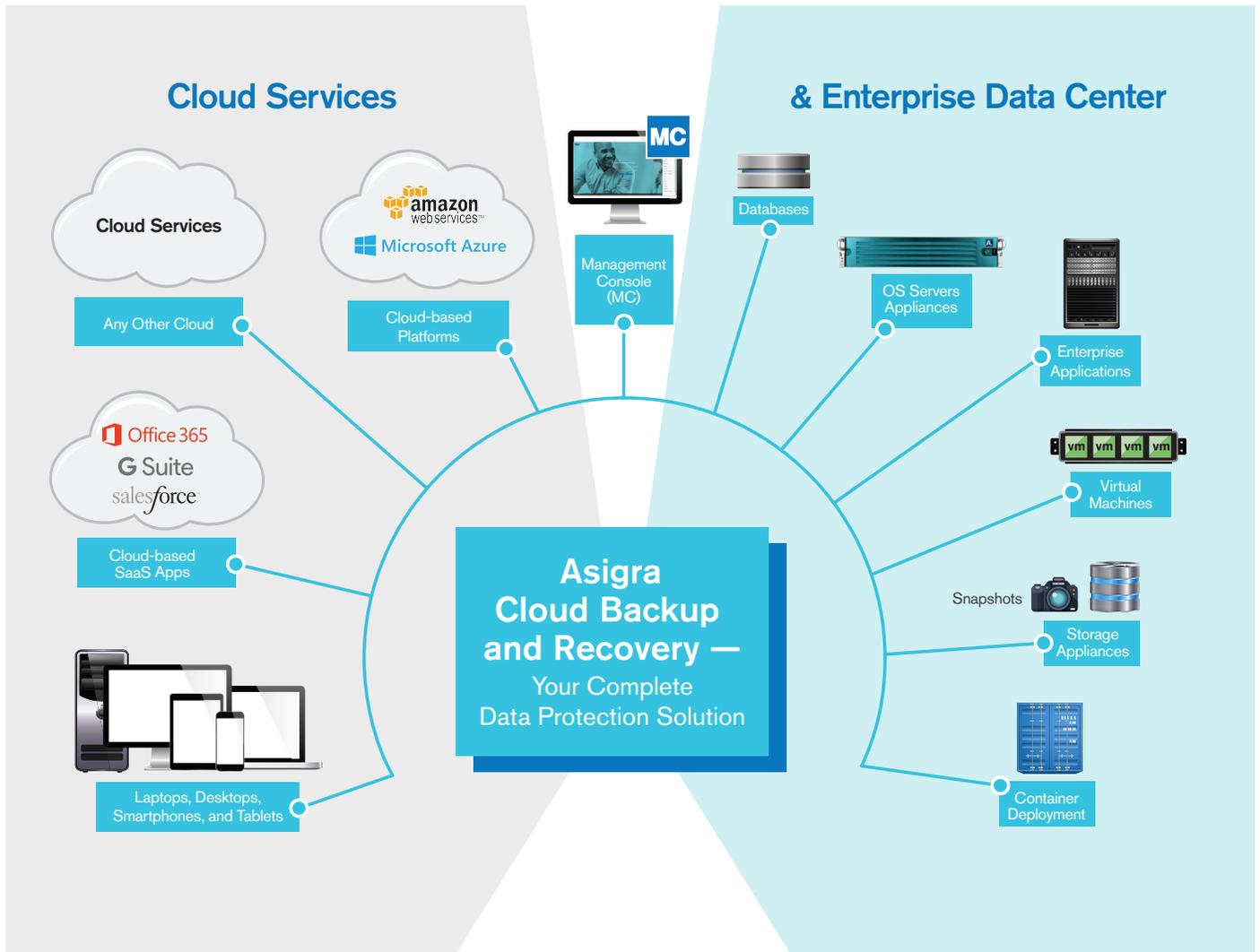
Maximum Security

With Asigra, your data is protected at all times with the highest levels of security and compliance:

- AES 256-bit in-flight and at-rest data encryption
- Government-approved NIST FIPS 140-2 security certification
- Customer-controlled encryption key and authentication

Asigra's agentless architecture is secure because it does not rely on vulnerable agents that need to be installed on each machine. This eliminates open ports on your firewall for all backup sources, dramatically enhancing security by removing points of attack inherent with agent-based architectures.

Asigra also includes geolocation and remote data wipe for mobile devices. These features enable you to quickly identify the location of a lost or stolen mobile device that contains your corporate data. If you decide the data is at risk of falling into the wrong hands, Asigra gives you the power to remotely delete it with the click of a button, while leaving any of your employees' personal files untouched, making it an ideal data protection solution for bring your own device (BYOD) environments.



Maximum Manageability

Asigra delivers continuous control with low-touch manageability, centralized operations, and capacity management to provide you with a comprehensive, unified, organization-wide view of your systems, users, and devices:

- **Single consolidated repository** simplifies backup and recovery of data that's currently backed up in silos scattered across the enterprise
- **Single-pane-of-glass view** allows you to manage from an intuitive web-based dashboard with visibility across the enterprise for even the most complex disaster recovery and business continuity strategies, including multiple branch locations and local/remote backup and recovery management of data centers
- **Support for private, hybrid, and public cloud** so you choose the cloud architecture or deployment model that best suits your business needs and easily migrate as your needs evolve
- **Agentless architecture** simplifies installation and ongoing operations in your environment by eliminating the downtime and disruption of deploying and maintaining agents
- **World-class service from our worldwide partner network** minimizes the time and resources you spend on backup and recovery

Maximum Reliability

Having confidence in your ability to recover data when it matters most comes from trusting in the backup and restoration processes. Asigra has two important processes to ensure reliability in your recoverability:

- **Autonomic Healing** verifies the logical and physical integrity of the data written to the storage systems
- **Restore Validation** ensures data is restorable by simulating real recoveries (without actually writing the restored data)

“Tape is no longer a viable option given other alternatives now available in the marketplace. Cloud-based data recovery is so much easier than having to find, load and retrieve data from tapes. Thanks to Echopath and Asigra we have shaved off the number of hours spent on backup significantly and substantially improved our ability to recover from a data loss event regardless of where the data was originally located.”

Scott Reid, VP of Operations, PacMoore

Key Features

Security

- Agentless Architecture
- Attack-Loop™ Ransomware Prevention
- Multi-Factor Authentication
- NIST FIPS 140-2 Certification
- Encryption Key Management
- AES 256-bit Encryption
- Regulatory Compliance (SOX, HIPAA, Basel II)
- Compliant Data Destruction (GDPR)
- Geolocation and Remote Wipe

Manageability

- Block-Level Incremental Forever
- Deduplication
- Compression
- Local Storage
- Retention Rules
- LAN Storage & Resource Discovery
- Extensible Storage
- Backup Lifecycle Management (BLM)
- Microsoft System Center Configuration Manager (SCCM) Integration

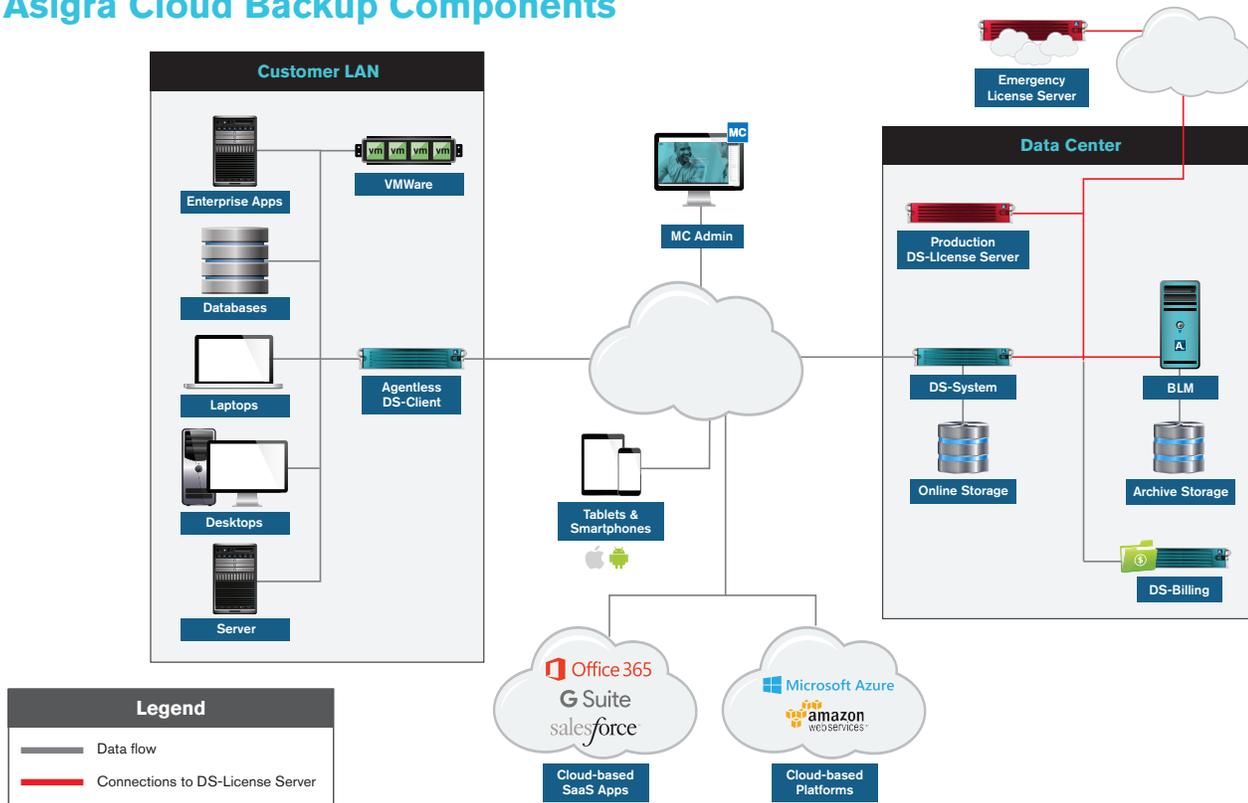
Reliability

- Restore Validation
- Autonomic Healing
- Reporting

Near-Instant Recovery

- Incremental Backup
- Continuous Data Protection (CDP)
- P2V Conversion
- Snapshot Support
- System Replication

Asigra Cloud Backup Components



Granular Recovery When You Need it the Most

Organizations often want to backup an entire data source to ensure all data is protected, even though they will usually only need to recover individual items or files from the backup. Email servers are a typical example. Asigra supports this use case for many data sources, including VMs, Microsoft Exchange and SharePoint servers, and SaaS based data, by allowing you to recover individual data elements from the backup.

For example, Asigra includes a convenient feature that allows you to quickly backup hundreds of mailboxes belonging to a single Microsoft Office 365 domain to one backup set. If you ever need to recover a single data element from the backup – such as an email attachment or calendar entry – you don't need to recover all data in the domain. Instead, Asigra will let you choose the items you want to recover and the location where you want to recover them to – such as back to the Office 365 cloud or a local file on your laptop

Did You Know?

Enterprises using Asigra can restore in a few minutes rather than several hours.

Recover Quickly and Resume Business as Usual

Depending on your organization's Recovery Time Objective (RTO) requirements, you may want near-instant recovery for some mission-critical applications and data. Asigra provides peace of mind by safeguarding the availability of your environment with optional features such as:

- **Continuous Data Protection (CDP)** can be selected for specific backup sets to ensure you can be up and running quickly with minimal data loss
- **Incremental Backup** enables you to backup VMs by retrieving only the changed blocks from the server and incrementals from the source.
- **Snapshot capability** gives you the ability to achieve aggressive Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs) for even large amounts of data.
- **Physical to Virtual (P2V) Conversion** from physical to virtual machine.

Compliance

Asigra's comprehensive backup, recovery, and archiving solution offers the stability and control you need to meet the General Data Protection Regulation (GDPR) compliance requirements.

Our single-minded focus makes Asigra your complete data protection solution. At Asigra, we focus on one thing: being the absolute best at backing up and recovering your data.

Contact us to learn more about how you can increase your recoverability.

If you have a question, please call us at 1-877-736-9901 or 416-736-8111 ext. 1301, or email us at info@asigra.com.

About Asigra

Trusted since 1986, Asigra provides organizations around the world the ability to recover their data now from anywhere through a global network of partners who deliver cloud backup and recovery services as public, private and/or hybrid deployments. As the industry's first enterprise-class agentless cloud-based recovery software to provide data backup and recovery of servers, virtual machines, endpoint devices, databases and applications, SaaS and IaaS based applications, Asigra lowers the total cost of ownership, reduces recovery time objectives, eliminates silos of backup data by providing a single consolidated repository, and provides 100% recovery assurance. Asigra's revolutionary patent-pending Recovery License Model provides organizations with a cost-effective data recovery business model unlike any other offered in the storage market. In 2015, Asigra Cloud Backup was named the **Top Enterprise Backup Solution** and achieved silver in Storage Magazine's **Products of the Year**.

More information on Asigra can be found at www.asigra.com

