

Data Security and Zero Trust

Your Data, Your Cloud, Your Control

The Archive360 platform is a PaaS solution, deployed and managed based on Zero-Trust principles. Unlike the SaaS shared cloud model, the Archive360 Platform can support and be a part of Zero Trust security architecture, i.e., a private/secure enclave, to ensure there are no shared resources, shared encryption keys, or common security certificates.

The Archive360 platform is deployed in the customer's own subscription (cloud tenant) running in the Microsoft Azure Public Cloud (commercial and Gov), versus as a SaaS solution in our tenant. For federal agencies, this approach is key, as it gives them total control over where their data is stored (which cloud, which location), and how it is secured and managed. Unlike SaaS platforms, with Archive360 there are no shared network resources. Customers can implement additional levels of security, including fully private, isolated enclaves, and create and store their own encryption keys (separately from their data). Customers retain complete control and direct ownership of their encryption keys and their data at all times.

Support for Directives such as M-19-18

In support of the federal government's continuing IT modernization program and OMB's directive M-19-18 for data governance and best practices, Archive360 provides a highly scalable and secure cloud-based platform to reduce the risks and increase the ability of agencies to manage large volumes of data in the cloud to address specific operational, security and regulatory needs. Federal agencies can leverage security, scalability, and power of Archive360's unified archive and information management platform to meet any enterprise-wide data management and governance requirements. This provides greater control of administrative security costs, performance, and reduced risks for agency future needs. It also reduces the complexity of data collection, onboarding, classification, encryption and preservation.

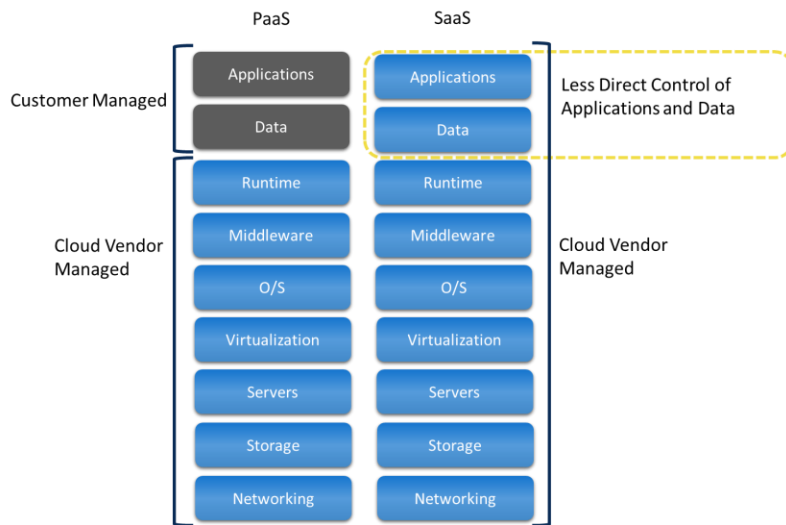


Fig 1. PaaS vs. SaaS

Security Benefits

- Secure, private enclave
- no shared network or other resources
- no shared encryption keys
- no shared or common security certificates

Data Entitlement and Access Controls

Archive360 uses Azure Active Directory, role-and attribute-based access control to ensure users can only view content they are entitled to access. Unique data classification and encryption keys are used to apply access control to specific sensitive words or character sets within a file as well as the file's metadata. The encrypted words or character sets can then be masked, anonymized, or redacted to prevent unauthorized users from seeing them. While most archives simply encrypt data at rest or in transit with a single set of keys, Archive360 manages thousands of keys, providing access control to specific pieces of sensitive information dispersed across the organization.

Encryption Key Management

A key differentiator of Archive 360's approach to data security is our Security Gateway functionality. This provides encryption of all data before movement to the cloud, on-premises encryption key storage (versus encryption keys stored with the data and owned by the archiving vendor), access controls, and homomorphic and field-level encryption for total data security in transit, at rest, and WHILE IN USE.

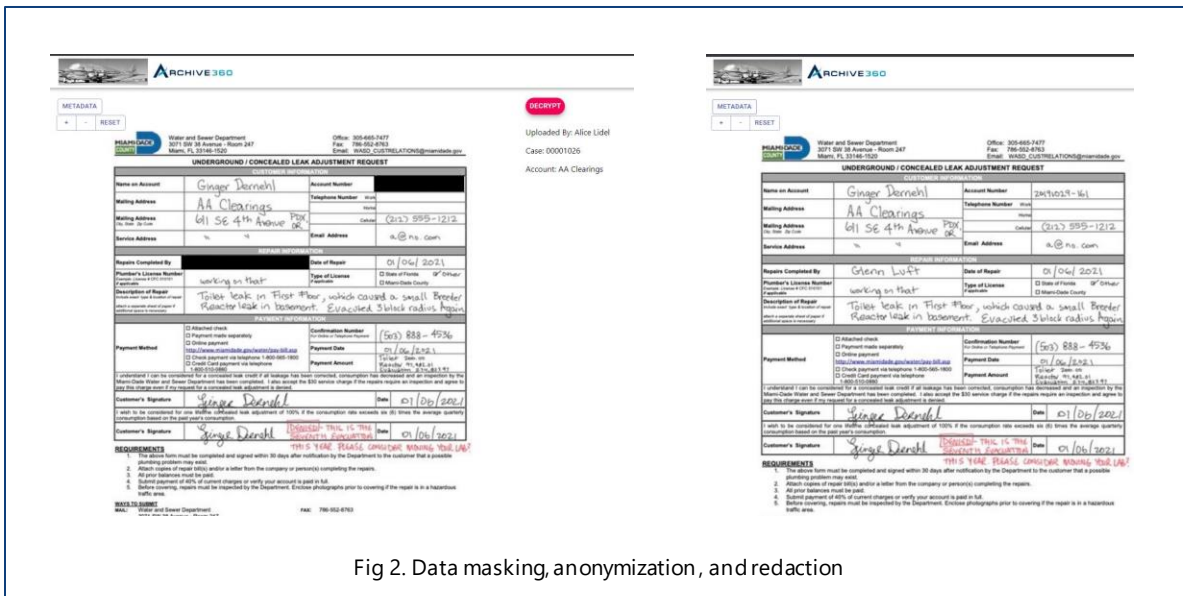


Fig 2. Data masking, anonymization, and redaction

About Archive360

Archive360 is the enterprise information archiving company that businesses and government agencies worldwide trust to securely migrate their digital data to the cloud, and responsibly manage it for today's regulatory, legal and business intelligence obligations. This is accomplished by applying context around the search, classification, security, retention, disposition and indexing of data including files, videos, and emails—all while allowing organizations to maintain full control over privacy, access, and compliance. Archive360 is a global organization that delivers its solutions both directly and through a worldwide network of partners. Archive360 is a Microsoft Cloud Solution Provider, and the Archive2Azure™ solution is Microsoft Azure Certified. To learn more, visit www.archive360.com.



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