

"For years we were working to bring data from different systems together. When we were told S3 could solve the problem, I was very skeptical. Boy, was I wrong! AcademyOne's implementation of S3 and single sign-on worked flawlessly."

Saichi Oba,
University of Alaska
Associate Vice President, Student & Enrollment Strategy

Improving User Experiences with Realtime Integration

According to Gartner and Eduventures, institutions spend over 50% of their IT budgets supporting integration and interfaces between software applications. Part of the reason for such a high cost is the sensitivity and controls needed to ensure data security and privacy. The capabilities and capacities to address application integration can be challenging. Many institutions refuse or delay integration simply because of the insecurity of existing methods and the risk of hacking. Institutions will tightly couple interfaces to ensure safety – only to create the need to bridge and maintain versions, which can delay updates and complicate coordination.

Free yourself and your team from chains imposed by incompatibilities and lack of controls necessary to ensure security. S3 bridges disparate databases securely enabling applications to access authoritative sources with a loosely coupled platform. Proprietary vendor or home grown applications no longer have to inhibit your initiatives. AcademyOne has engineered a toolkit to administer REST services supporting access to Academic History, Academic Term, Student Information and more – so institutions can share data between trusted partners. S3 incorporates a cloud hosted hub where institutions can manage and monitor the real time integrations with secure private connections, encryption and workflow controls. Subscribing consumer applications can be added, removed or updated sharing the common queries to retrieve data.



Save Time & Money

Decrease the administrative expense of exchanging data over multiple systems through automation.



Maximize Productivity

Put an end to making users jump through the hoops of using multiple applications to perform tasks and garner information.



Manage Complexity

Bridge the silos of information residing in disjointed databases to streamline connections.



Digital Transformation

Make systems smarter by optimizing the assets in which you've already invested heavily.

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Integrate Disparate Data Systems Securely



SOURCE

A lightweight application installed and automatically updated within institutional firewalls.

- Receive and fulfill requests from the hub
- Authenticate both parties with certificates
- Provide institutional SQL statements to meet specifications
- Reuse application queues for any number of consumers

HUB



A switchboard in the cloud that forwards requests from a consumer to the correct source and marshals the replies.

- Authenticate, authorize and log all services
- Establish standard communication protocol
- Provide separation services
- · Integrate with any application
- Track and log utilization



CONSUMER

A Software Development Kit (SDK) used within webconnected applications.

- Authenticate with the gateway via certificates
- gateway via certificatesEstablish a real-time
- connection with the gateway
 Manage multiple applications simultaneously
- Ensure message encryption
- Track utilization

The administrat

The administrative interface that gives institutions complete control to manage what consumers have permission to utilize their services.

PORTAL

- Manage services through a single point of entry
- Download and test the SDK install and services



TECHNOLOGY

A data sharing technology platform.

- Integrate with any SIS, LMS or Curriculum Management System
- Utilize web services to construct, test and return queries
- Use standard SQL queries and procedures
- Scale performance with SQL Server and Microsoft IIS
- Connect data to applications through APIs and REST

SECURITY



A secure transport.

- Hub and Spoke cloud architecture
- Digital certificates for senders and receivers
- Encryption of data and service requests
- Private network of participating institutions

AcademyOne is a software development and consulting company serving the higher education community. We deliver solutions that bridge digital experiences to resolve the challenges and complexities inherent to global academic credit portability, the recognition of prior learning and credentialing.

