

Access Management System for a **Leading eLearning Solutions Provider**



ATTENTION. ALWAYS.

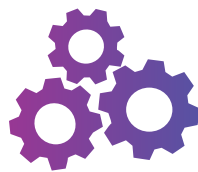
aspire 
SYSTEMS
attention. always.

THE CUSTOMER

Our customer is the industry leader in curation, contextualization and maintenance of a digital content collection of educational resources. They offer a wealth of professionally-evaluated online resources easily accessible through their applications or integrated into their customers' Learning Management Systems.



THE CHALLENGE



It was imperative for the customer to have a secure and easy to use access control system. One that would be flexible enough to manage access to specific services based on the product subscription, organization and user level.

Furthermore, they needed a mechanism to facilitate seamless data exchange with their customers' LMSs in a way that guarantees uninterrupted access by anyone, anywhere, anyhow, and anytime. In the absence of such a mechanism, they were faced with stagnant business growth since their customers wanted to stay with their own LMSs and were reluctant to switch to multiple products.

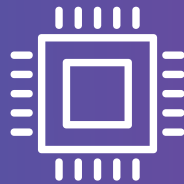
THE SOLUTION



Aspire provided multi-level access control to services and features while ensuring high degree of flexibility for customization.



TECHNOLOGY SNAPSHOT



Java
MySQL
Memcache
ActiveMQ
Solr, Spring
JPA/Hibernate
MongoDB



THE BENEFITS

The scope of the initiative included the following:

- 1 Provided multi-level access control to services and features while ensuring high degree of flexibility for customization. Implemented a custom framework for access control by using multiple levels of check.
- 2 Use of hierarchy logic in their access control decision has reduced the amount of access related data required to be stored in the database and made propagation of accesses much faster from top to bottom.
- 3 Enabled open and seamless integration with partners' LMSs based on the industry standard of LTI (Learning Tools Interoperability).
- 4 Supported OAuth 2 (an authorization framework) to grant token-based access to partners.

Broadly, it helped in delivering the following benefits:

- ➡ Flexible authorization, including fine-grained access control to their services and features.
- ➡ Made the management of access data between organizations and their users much more efficient and faster.

FUTURE IMPACT

- ➡ Used a big data database for storing access related data which provides better performance and very high scalability.
- ➡ Moved from a cookie based system to a token based authentication system, which works well across multiple domains and ensures access across various devices and platforms.
- ➡ Provided a much-needed boost to customer acquisition by way of expansion to new avenues of data sharing.



By minimizing the potential for unauthorized access to their services, Aspire's solution would help to ensure the availability and integrity of information. Besides, seamless integration and connectivity with their growing base of customers would help them maintain their growth momentum and also bolster competitiveness.

www.aspiresys.com



ATTENTION. ALWAYS.



ABOUT ASPIRE

Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

SINGAPORE
+65 3163 3050

NORTH AMERICA
+1 630 368 0970

EUROPE
+44 203 170 6115

INDIA
+91 44 6740 4000

MIDDLE EAST
+971 50 658 8831

For more info contact
info@aspiresys.com or visit www.aspiresys.com

