

# Case study – AWS cloud security service



Unipus is a university foreign language teaching platform that integrates education, learning, evaluation and research. It is different from the current hot online education. Unipus uses a mixed teaching mode combining online and offline to deeply participate in the teacher. In teaching, the whole process of teaching and learning runs through.

## Technical challenges:

By the advantage of AWS shared responsibility model, AWS is responsible for the advantages of the underlying software and hardware security. The main security risks of the Unipus business system hosted on the AWS cloud platform come from various external malicious attacks and security vulnerability scanning behaviors of customers, public security and other departments. In particular, the security vulnerability scan results from customers and the public security department directly affect the operation of the Unipus website. These security precautions are bound to be the focus and top priority.

## Our solution:

- Establish a cloud security operation and maintenance system
- Provide self-developed AWS cloud platform security solutions
- Operating system security hardening
- Kubernetes platform security hardening
- Application layer vulnerability scanning and penetration testing
- Provide WAF solution architecture design, deployment and configuration services
- Application-layer code auditing services

