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# AUTENTIKA Delivers Top-Tier Zero Trust Solutions in Indonesia Powered by Entrust

## Challenge

Since Indonesia issued Presidential Regulation Number 82 of 2023, or the Acceleration of Digital Transformation and Integration of National Digital Services, the Indonesian government has been looking to fast-track and elevate its digital government strategy.

This includes offering national digital services via an electronic-based government system (SPBE). Nine priority services covering population administration, education, health, police services, social assistance, and immigration services will be integrated into a national digital platform called INA Digital. This service will streamline access to 27,000 public service applications that overlap with one another.

## Technical Challenge

As a result of the drive toward national digital services, Indonesia's need for Zero Trust solutions - including identity-centric security, secure connections, and secure data - is expected to surge. To meet this demand and realize Indonesia's national digital services ambition, the government could consider

## Performance, Reliability, Protection

### Business need

- Get AUTENTIKA ready to offer top-tier, innovative Zero Trust solutions that the Indonesian government and other clients need
- Ensure that AUTENTIKA's security offerings are future-proof

### Technology need

- Ensure the localization of personal data and secrets (keys) within Indonesia
- Provide tamper-proof hardware protection for secret keys
- Establish a secure multi-tenancy cloud solution that can be utilized by various entities
- At the same time, the integrated technologies must offer:
  - Secure APIs
  - Secure connections
  - High availability



[Learn more about HSMs at entrust.com](https://www.entrust.com)



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augmenting its systems with critical Zero Trust solutions, such as authenticating digital identities of its citizens nationwide (over 275M) and protecting data at rest, in transit, and in use.

AUTENTIKA - which has already been involved in several digitalization projects for the Indonesian government - wanted to get ready to provide top-tier, innovative Zero Trust solutions that the Indonesian government and other clients need.

## THE TRANSFORMATION

### Solution

AUTENTIKA turned to Entrust to boost its in-house authentication and authorization solutions to contribute to the Indonesian government's increasing data security needs. As such, the organization opted to deploy the Entrust nShield® hardware security modules (HSMs), nShield Web Services Option Pack (WSOP), and the Entrust Tokenization Solution, which perfectly aligned with AUTENTIKA's requirements and allowed the company to achieve its objectives.

On top of this, the company developed a comprehensive software framework after deploying the nShield WSOP and Entrust Tokenization Solution. This gives AUTENTIKA the ability to offer lower-cost subscriptions to organizations, either for one or both services, via a multi-tenant setup - thereby enhancing its competitive edge and boosting its revenue opportunities.

## MEASURES OF SUCCESS

### Results

With the deployment of Entrust's nShield HSMs, AUTENTIKA can now confidently provide a hardened, tamper-resistant environment - the foundation of trust - for its data security solutions in Indonesia.

## TECHNOLOGY

### Solution

- nShield hardware security modules (HSMs)
- nShield Web Services Option Pack (WSOP)
- Entrust Tokenization Solution

### Result

- Robust security performance, reliability, compliance: Having deployed Entrust nShield HSMs before, AUTENTIKA knows firsthand the robustness of their security performance and reliability as well as how they help facilitate compliance with regulatory requirements
- Scalability: Entrust nShield HSMs are not dependent on internal memory, which makes them easily scalable to meet AUTENTIKA's growing needs fueled by an expanding market
- High availability, resiliency: With Entrust nShield HSMs' robust redundancy features, AUTENTIKA can ensure high availability and resilience in its operations

Additionally, the robust redundancy features of nShield HSMs mean that AUTENTIKA can expect high availability and resilience in its operations. nShield HSMs are not dependent on internal memory, making them easily scalable to meet AUTENTIKA's growing needs.

AUTENTIKA can also leverage secure APIs integrated into an API HUB for the other services it develops, such as facial recognition, document recognition, and digital signatures.



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**“We value Entrust’s leadership in the identity-centric security and digital trust space, as well as their dedication to educating and empowering their partners with the best tools and knowledge - whether it is to help us discover new opportunities or ensure our solutions are future-proof.”**

Bruno Vanhoucke, Commissioner at AUTENTIKA

Looking ahead, AUTENTIKA wants to leverage Entrust’s capabilities to continue delivering comprehensive solutions to its clients. To achieve this, AUTENTIKA aims to:

- Further integrate Entrust’s offerings with its existing framework while remaining flexible to incorporate other specific components as needed
- Align with CISA’s Zero Trust frameworks to reflect its commitment to robust security practices
- Explore quantum-ready technologies to stay future-proof

## Customer Profile

PT Autentika Digital Indonesia (AUTENTIKA) is an Indonesian provider of digital solutions headquartered in Jakarta. AUTENTIKA offers seamless and convenient solutions in the fields

of authentication and authorization, prioritizing confidentiality, integrity, and non-repudiation through advanced cryptographic methods. Its team boasts decades of experience in electronic and digital security, enhanced by data science expertise. The company has successfully implemented solutions for both private and government projects.

## The Entrust advantage

nShield HSMs provide a hardened, tamper-resistant environment for secure cryptographic processing, key generation and protection, encryption, key management, and more. nShield hardware security modules are available in a range of FIPS 140-2 and 140-3 certified form factors and support a variety of deployment scenarios.

[Learn more about Entrust nShield HSMs](#)



Learn more at  
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