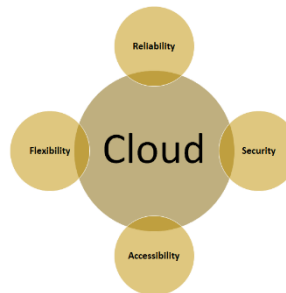


## Dedicated Cloud Services

### The Business Challenge

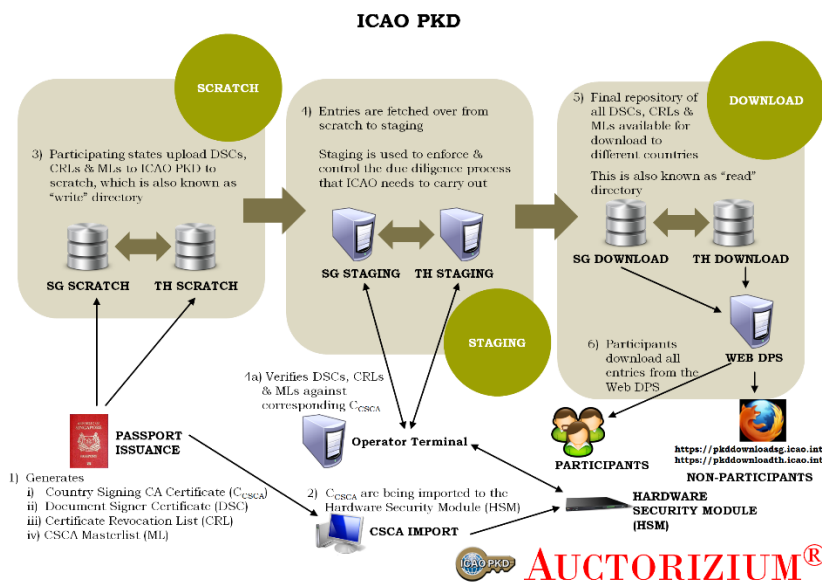
Enterprise applications fulfilling the business need of organisations contain proprietary Intellectual Property and confidential information. With global distribution of workforce, access from multiple locations and platforms, without compromising security and confidentiality are major issue faced by companies. Typical IT departments will have business IT experts but due to ever-changing challenging threat landscape, companies are required to make additional investment in non-core business competency requirements such as security framework, infrastructure and knowledge. The challenges include:

- Secure access of data
- Confidentiality of data
- Availability
- Accessibility



### An Example - ICAO PKD

**The Problem:** E-Passports issued by countries contain a chip that has the biographic and biometric information about the Passport holder and are digitally signed to protect against forgery and can be read and verified to authenticate the document itself. To this end, countries have to distribute their signing credentials to other countries, which is then used by Border Control Agencies to validate the contents of the chip and verify the authenticity of the Travel Document. The challenge is in distributing these signing credentials globally while ensuring that the distribution mechanism is secure and trusted.



**The Solution:** We architected a hosted solution as a private cloud. A secure channel, comprising of a mix of technology and process, was created to ensure that only valid Passport Issuing Agencies are able to add contents to the hosted repository. Furthermore, automated checks on the integrity of the data is done before the signing credentials are made available for download by Border Control Agencies. Border Control Agencies have an authenticated connection that allows them to download and use this information, while being assured of the integrity and trustworthiness of the data. Any other party, like hotels or banks that wish to authenticate an E-Passport can also access this information through a website. The solution is hosted across two locations that are synchronised in real-time and are available 24x7.

- Private Cloud, Allow countries to access from different locations
- Integrity of information, Geographical site redundancy, 24/7 availability, cryptographic protection of data
- MTCS certified

### Contact Us:

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## Our Offering

Auctorizium works with you to architect a modular solution that overcomes your specific challenges. Our expertise in ensuring synchronisation across multiple locations, secure access provisioning and threat monitoring complement your expertise in your business domain.

- Customised solutions
- Integrity of information
- Private Cloud
- Ensure 24/7 availability
- Geographical site redundancy through two data Centre
- BGP connected – seamless switchover
- Own IP address range
  - Dedicated for each application
- Two layer firewall infrastructure
- Monitoring & Threat Assessment



## Our Differentiation

When it comes to security, one size does not fit all. Organizations want to have control on where their data is located and who has access to it. Hosting in the cloud generally means loss of control on proprietary data. Services that monitor threat scenarios do not include defense against them. We work with an organization to understand their specific needs and create a solution that satisfies your business needs without compromising on security and availability.

## About Auctorizium

Auctorizium is a provider of cryptographic solutions and hosting services. We provide services focusing on validating E-Passports at the borders which includes the setting up a National PKD, and border control applications that follow best practises in assuring the integrity of E-Passports. We also host the ICAO public key directory as a private cloud for E-Passport issuers. Auctorizium is an **ISO27001:2013** certified company and has accreditation as SaaS cloud service provider under the **Singapore Standard SS 584:2013**.

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**AUCTORIZO** (medieval Latin)

- to confirm, approve, authenticate.