



JET EDUCATION SERVICES



PRIVYSEAL®

AGILE CREDENTIALING IN A POST-COVID-19 WORLD

“Through an increasing array of credentials — such as degrees, certificates, licenses, certifications, badges, and apprenticeships — job seekers, students, and workers have more options than ever. Yet, there has never been an efficient system to collect, search, and compare credentials and their competencies in a way that keeps pace with the speed of change, and is universally understood”.

US-based Credential Engine (2020)

Internationally, there is a strong movement towards credential transparency to allow for more agile and authentic systems to be developed as a key lever to reduce unemployment. African countries are well suited to the introduction of more cost-effective and agile credentialing schema that allow for independent authentication of the certificates.

JET Education Services is a registered non-profit organisation based in South Africa since 1992, with an established track record of conducting research and policy development in qualifications and professional licensing in South Africa, Africa and internationally. Clients include most international development agencies and many corporate clients.

Credentialing solutions through research and technology



PrivySeal has been in operation since 2010 offering digital seals, certificates and signatures certifying claims of qualification, professional status and more. They provide an essential service to clients which include regulatory bodies, academic institutions and several blue chip government bodies.

The synergetic partnership between **JET Education Services** and **PrivySeal** offers a progressive, evidence-based credentialing solution. This is supported by extensive experience in the area of qualifications, combined with pioneering digital credentialing technology.

Why PrivySeal digital certificates and seals?

While paper certificates are undoubtedly useful in certain scenarios they have their limitations. PrivySeal digital certificates and seals have a number of benefits including security, controllability and cost-effectiveness.



**Can be revoked
or re-issued
automatically**



**Cannot be
misrepresented and
always up to date**



**Securely
hosted and
cannot be lost**



**Authenticity is
easily verified by
regulators and
stakeholders**



**Drives
compliance
and increased
professionalism**

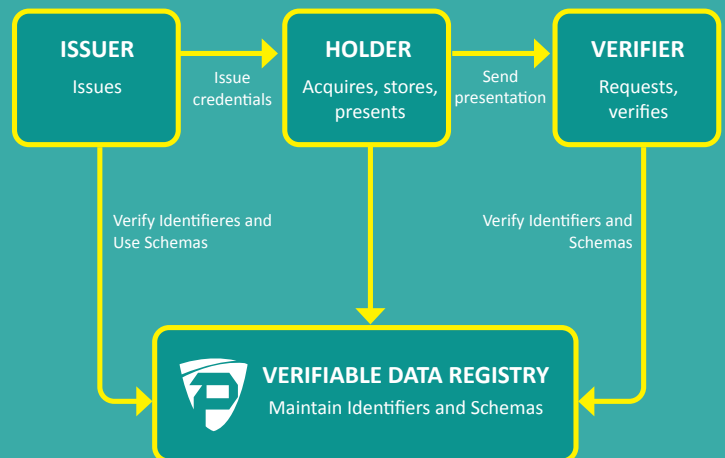
PrivySeal has partnered with one of the world's foremost data hosting and security companies, Amazon Web Services. Data may therefore be securely stored at their Cape Town data centre to ensure high availability and sub-second latency in display. PrivySeal scored A+ in their SSL Lab Report. All PrivySeal generated

Certificates are only ever decrypted in the web browser using the Secure Socket Layer encryption protocol. PrivySeal make use of CloudFlare to mitigate Distributed Denial of Service attacks and other threats. PrivySeal's Application Programming Interface (API) allows for ongoing synchronisation of credential data;

immediate issue, revocation, and re-issue of Credentials with zero delay; and limited data disclosure, in line with increased data privacy considerations. Clients may however choose to rather upload their Credential data to our platform by making use of a simple Comma Separated Values spreadsheet, hosted on a secure platform.

Easy migration from paper-based to digital Credentials

PrivySeal makes use of the **Self-Sovereign Identity (SSI)** Data Model and is therefore able to migrate its clients from issuing paper-based Credentials to digital Credentials. The platform is therefore "future proof" and well able to meet the current and future requirements of clients. In the SSI data model, the Credential is issued to the Holder by the Issuer through an Identity Ledger, provided by a third party such as PrivySeal. Given that the Credential is requested by the Holder and signed by the Issuer and then issued on the Identity Ledger, the process enables the Credential to be verified as authentically issued by the Issuer to the correct Holder.



How can PrivySeal and JET help with your Credentials?

PrivySeal and JET are well placed to advise clients on how to best secure and issue their Credentials using the SSI data model. Of particular interest to many Government Departments, SOE, SOC and Regulators is the ability to provide their Certificate Holders (whether they be registrants, citizens, permit holders, ratepayers, patients, scholars, students, graduates etc.) with a Verifiable Credentials Wallet in which all the Holder's Verifiable Credentials may be stored. This allows the credential holder to share aspects or all of their personal information securely, without the need to disclose sensitive personal information.



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JAMES KEEVY
james@jet.org.za
www.jet.org.za

**Please contact
us for more
information**

STEPHEN LOGAN
stephen.logan@privyseal.com
www.privyseal.com



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