

Public Key infrastructure (PKI) has been a part of the security landscape almost as long as computers have talked to one another. There are few collections of policy and technology that span as great and are more broadly interwoven into the global internet and enterprise community: SSL, TLS, S\MIME and many other acronyms are 'powered by PKI'. The ever-growing and evolving threat landscape against today's networks and applications require the the authentication and encryption benefits that a well-managed PKI can deliver.

A decade ago, running a PKI was an expensive, technologically difficult undertaking that was left to large organizations with deep pockets- banks and governments were the primary customers. As the interconnection of systems has become more simple and more commonplace, trickling down to conceivably every business no matter its size, the need for PKI services is growing. In a world where it is now commonplace to buy complex services on demand for a fraction of the cost of 'running it yourself' PKI services have lagged behind, hiding behind a screen of marketing jargon, complicated pricing schemes and costly contracts.

HydrantID was created to make PKI services accessible, cost-effective and easy to buy. Providing publically-trusted SSL certificates for a fixed subscription fee was the the beginning and has been expanded to include private-trust certificates. These certificates are used by companies to secure internal server communications and provide private authentication of both corporate and "bring-your-own-device" resources on the network. The choices available to the CISO/CTO used to be limited to:

- spending hundreds of thousands of dollars on PKI software and expensive Hardware Security Modules, or
- Do-It-Yourself, for "free" with Microsoft Certificate Services, or
- Buy Internal Hostname certificates from a SSL certificate provider, or
- Some combination of the above

HydrantID makes all your private PKI encryption and authentication needs available in two complementary offerings:

- Private PKI- A custom offline root and one or more issuing CA's with policies and naming for your organization hosted in the cloud
- Dedicated Issuing CA- An issuing CA signed by our Internal Hostname Root CA with your organization name in the certificate.

Each shares our simple-to-use Certificate Portal, an available API and out-of-the-box integrations with partners like Venafi. You choose the service capabilities that meet your certificate needs and pay one fixed subscription service fee. Just like our trusted SSL certificate

# Cloud-Based PKI Services



services, you can start with a minimal set of capabilities and easily expand as your business demands, delivered from our highly-scalable cloud infrastructure.

Features	Private PKI	Dedicated Issuing CA
Dedicated CA Infrastructure with private root certificate	✓	
Dedicated root certificate	✓	
Dedicated private root key gen	✓	
Dedicated CPS and CP (optional services)	✓	
Specific CA architecture and hierarchy design	✓	
Customizable certificate profile templates to support different uses	✓	✓
Shared CA infrastructure with Hydrant root (non chained)		✓
No required investment in CA infrastructure	✓	✓
Rapid set up and deployment in days	✓	✓
Optional Trusted SSL subscription module	✓	✓
Optional End User or Client subscription module	✓	✓
Optional Mobile certificate module	✓	✓
Highly accredited and audited CA infrastructure	✓	✓
24 x 7 support	✓	✓
One simple subscription fee for unlimited service (per domain for SSL)	✓	✓
On demand, real time certificate issuance	✓	✓
Bundled Professional Services to ensure implementation success	✓	✓
60 day money back guarantee	✓	✓

What drives the decision to choose one offering over the other? If you simply need certificates to protect internal resources and don't intend on issuing them to external partners or others outside your firewall, the Dedicated Issuing CA is the most cost-effective approach. This is an excellent candidate for replacing an internal Certificate Authority and can be extended to support popular technologies like certificate auto-enrollment and mobile device management.

Do your certificate requirements include the need to support a customized Certificate Policy, the possibility of issuing private-branded certificates to third-party partners or customers or the desire to have a full PKI hierarchy for your organization complete with an offline Root CA? The

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Private PKI option provides complete flexibility to support these and other requirements unique to your business. We ensure that your long-term PKI assets can be easily migrated in the future, all for a yearly subscription fee with no long-term contract requirement.

For more information contact [questions@hydrantid.com](mailto:questions@hydrantid.com) or visit [www.hydrantid.com](http://www.hydrantid.com)