

# Flexible, high-performance security to protect your e-commerce and communications

As we do more and more digitally, it's vital to be able to authenticate users, restrict access to confidential information – give access to the right people – and verify who owns any sensitive documents. We can help secure your e-business activity quickly by building security mechanisms that sustain integrity, service availability and customer privacy – and ultimately build confidence.

Electronic transactions and correspondence are vital for business – but can come at a price if security is not tight enough. You need to be able to know exactly who you are dealing with, keep confidential information out of the hands of the wrong people – and make sure sensitive documents are secure.

Providing this level of trust-based security enables you to integrate more closely with business partners, protect data against internal and external threats, ensure business continuity and maintain compliance with government and corporate regulations. Security solutions based on Public Key Infrastructure (PKI) are particularly well-suited in addressing these business needs.

## Removing the barriers to e-business

Our Managed PKI security service is a hosted solution that enables you to quickly secure your web services, email, instant messaging, mobile workers, online forms exchange, legacy and other applications.

Because we manage and host your public key infrastructure you'll get a faster return on investment and more responsiveness to meet evolving business strategies. You'll also make the most out of any existing investments. At the heart of our Managed PKI service is two-factor authentication, along with digital signatures and data encryption.

## Our managed PKI service is:

- **cost-effective** – both in terms of up-front cost and long-term total cost of ownership
- **reliable** – built on a robust infrastructure of hardware, network, and software
- **scalable** – to meet ever-increasing business needs
- **supported** – by world-class professional services and customer support to ensure successful deployments
- **standards-based** – with solutions to help preserve existing and future investments
- **tried and tested** – based on well-established policies and procedures.



# Free your IT team to focus on your core business

Our Managed PKI Security service provides day-to-day operation and maintenance of your organisation's PKI environment.

## Best in class technology

Get leading edge security technology, strong encryption and audited security practices, all backed by Digicert and benchmarked against the best in the industry.

## Secure and scalable

Our diagnostic procedures, security practices, operational policies, and infrastructure have been tested and proven over time and designed with scalability in mind:

- delivers carrier-class scalability, and is architected to support the highest volume and peak load requirements in the industry
- system architecture supports the issuance and management of millions of certificates per year.

## Hosted certification authority

If you're issuing a large number of certificates, you can set up your own Certification Authority (CA) at a fraction of the cost and effort of 'in-house' implementations.

- generate CA key pairs
- activate and deactivate CA certificates
- maintain certificate revocation lists (CRLs)
- certificate issuance to internal and external users, web servers and devices
- supports validation of a certificate's status using online certificate status protocol (OCSP) standards.

## Real-time management

Managed PKI Security provides all the services, applications support and management tools you need to run a robust CA, giving your administrators full control over the issuing or withdrawal of certificates whenever they want. Full Online Certificate Status Protocol compliance in the core Managed PKI Security service means they can check the validity of certificates in real time.

## Why choose BT?

BT – in association with Digicert, a global leader in digital certification – has developed a highly flexible, fully managed PKI service, with everything you need to issue and manage digital certificates within your organisation (together with consultancy and professional services if you need them).

- employs the same PKI technology that is used throughout our military-grade PKI and data centres
- supports 24x7x365 monitoring, management, escalation with full disaster recovery
- we have been granted tScheme Approval and received ISO 27001 accreditation for this service.

Because it runs on your own existing hardware, you don't need to invest in the costly infrastructure often associated with a PKI service, and it is easy to customise, or to scale – from 25 to over a million users.

## Customer control

With our network capabilities, our experience in customer management and our expertise in IT security, we can add real value, tailoring the solution to suit your particular needs.

You can manage your own registration process, determine who should be given certificates, and decide what information should be displayed on the certificate. You also get daily updates to the certificate revocation list, a centrally managed list against which users check the validity of certificates.

## Specialist support

Security is a complex issue to manage, and even major organisations can struggle to retain the specialist skills necessary to stay ahead of the hackers and cyber criminals. As a managed service provider, BT consolidates these specialist skills into a single organisation which spreads costs over a larger customer base, thus reducing customer costs and improving the service to all.

We can offer a PKI solution in its own right or implement it as a part of a wider communications and IT security solution. But no matter how far you chose to go, we take on the day-to-day system management, leaving you free to focus on your business.

## What could Managed PKI Security do for you?

Visit [bt.com/security](https://bt.com/security)

### Offices worldwide.

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