



paradox

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**The secure  
enterprise  
operating system**

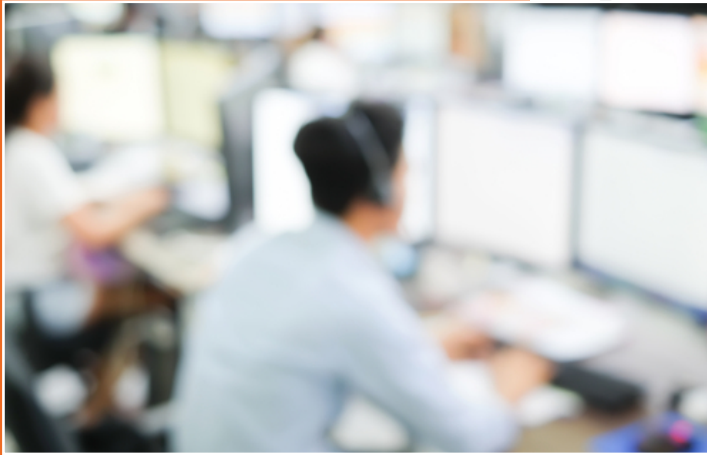
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#becrypt

As Paradox is designed for endpoint devices that access cloud and online services, it doesn't carry the baggage and corresponding vulnerabilities of a general purpose operating system. And unlike common Thin Client platforms, Paradox doesn't ignore the need for robust enterprise security.

In fact Paradox enhances enterprise security with unique health measurement technology, ensuring system and application components are free of compromise.

We work with government and private sector organisations, helping them protect high-value services, while maintaining the cost and usability benefits of virtualisation, web or cloud-based environments.



**Verizon threat report: 30% of cyber incidents involved an endpoint vulnerability and 39% involved compromising a user.**

**What percentage of your organisation's endpoint devices access high-risk services?**

**Paradox Health Measurements ensure endpoints are free from compromise and are optimised for accessing cloud and online services.**

**Paradox is an easy to use yet highly resilient endpoint platform that guarantees endpoint devices remain free from commodity malware, providing strong protection against targeted cyber-attacks.**

**Paradox is easy to deploy and its unique measured software execution ensures that no applications or system components have been tampered with.**

#### **The challenge**

The endpoint has always been a key battleground for adversaries in cyber space. It's where our treasured yet imperfect users interact, and it's where typically millions of lines of untrusted code within applications, browsers and operating systems conceal yet to be exploited vulnerabilities. It's where the complexity of coordinating the patching and the management of multiple vendor security products and user applications drives both operational risks and costs.

For organisations adopting virtualisation, or web-services, Thin Clients can reduce complexity, but on close inspection, their security functionality falls well short of enterprise desktops. If a Thin Client device is compromised through a direct exploit, or lateral movement, this can remain undetected, sometimes permanently.

Paradox was developed with UK Government to enhance security and reduce the costs and complexity of endpoint environments.

#### **Paradox**

Becrypt's Paradox is a security-focused operating system and management platform. With unique health measurement functionality, organisations are assured that devices running the Paradox operating system are in a known healthy state, free of malware, every time a device is started. No third-party security products are required to maintain device health, and with automated application and system patching, the costs and complexity of management are significantly reduced.

Key benefits of the Paradox operating system include:

- Unique health measurements of system and all application software
- Automated deployment and patch management reduces cost of ownership
- Automated roll-back and recovery from attempted compromise reduces system and user down-time
- Modern browser-based design, rapid boot and single sign-on enhances usability



# Security meets simplicity

## Security

- The only solution that can guarantee health of operating system and ALL applications when launched.
- Unlike other solutions, protects against operating system AND application compromise, preventing privilege escalation by targeted attacks.
- Read-only system prevents attempted malware persistence, and leakage of user data.
- Remote attestation proves device identity for protected services, compatible with cross-domain solutions for high-threat environments.
- Automated roll-back to a known good state when unauthorised modification detected.

## Cost

- Accredited architecture removes the need for 3rd party software such as anti-virus, IDS and personal firewalls.
- Automated and transparent patch management of operating system AND applications.
- Light-weight automated deployment extends life of existing hardware.
- Available as a cloud-hosted service, reducing time to deploy, and resource to manage.

## Usability

- Rapid boot and application launch with single sign-on.
- Modern browser-based look and feel.
- Supports diverse hardware including desktops, laptops, Tablets and Thin Clients.
- Fully customisable for business and user needs.

Becrypt work with public and private sector organisations reducing the risks and costs of endpoint projects ranging from legacy IT transformation, supply chain security, public kiosk access, employee web access and protecting privileged management services.



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# Why #becrypt

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With a heritage of creating National Cyber Security Centre certified solutions, Becrypt is a trusted provider of a range of high assurance cybersecurity products and services.

We work with the most security conscious organisations including governments, defence, the wider critical national infrastructure and its supply chain – protecting organisations large and small.

Becrypt continues to bring innovation to cybersecurity, from its origins in device encryption, to today's focus on operating system security, secure mobile and cross domain technology. Through its extensive domain and technical expertise, Becrypt helps organisations optimise the use of mobile and cloud technologies through a range of managed services.

## Get in Touch

If you would like to find out more about Paradox please contact us on

**0845 838 2080**  
**info@becrypt.com**

## Paradox is available as a cloud hosted managed service:

**Paradox Edge** provides a desktop-as-a-service option for Paradox customers. With the Paradox management platform pre-built and hosted within a secure cloud environment, organisations can rapidly deploy secure endpoints outsourcing patch management and security monitoring to reduce internal IT resource requirements, and leverage scale for ongoing cost reduction.

paradox<sup>edge</sup>



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