

Becrypt OS Management Service

Simplifying supply chain security

Becrypt OS Use Case

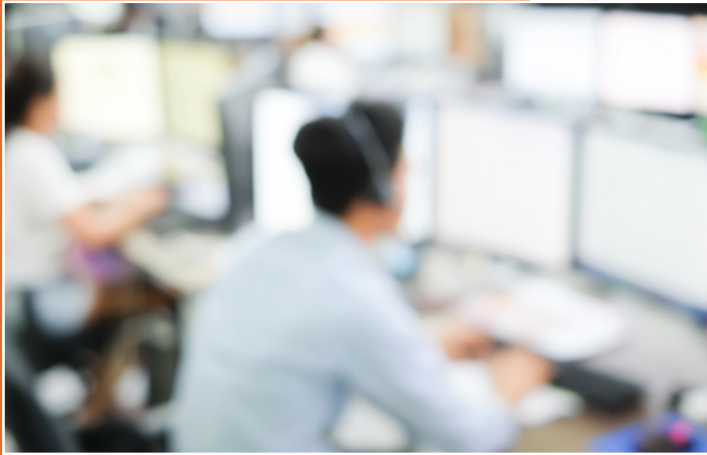
A significant proportion of high-profile data breaches have involved a compromise of an organisation's supply chain.

Cyber security and data protection regulations now almost universally require that organisations ensure their supply chain implements adequate security controls and practices, increasing organisational liability where risk is not adequately managed.

Becrypt OS (formerly Paradox) provides an easy way for supplier organisations to deploy compliant endpoint environments. With unique Device Health and Identity Management functionality, organisations have complete confidence in the identity and health of supplier connected devices.

We work with government and private sector organisations, protecting their supply chain ecosystem without impacting cost and service usability.

#becrypt



Attitudes to **Thin Client** security are often influenced by legacy IT. Today's **emerging threats**, shift to cloud and virtualisation can introduce unmanaged risks.

A customer project - HMG Cloud Client™

Becrypt worked with the National Cyber Security Centre (NCSC) on the Cloud Client project that seeks to develop standards to promote the safe use of end user devices. Key elements included a measured software execution process with a hardware root of trust to deliver strong end to end device health measurements.

Standards-based Remote Attestation was implemented to allow controlled access to shared networks and services based on the identity and health of connecting devices.

Becrypt OS was developed from Cloud Client standards, and is used every day by multiple UK Government departments to collaborate across separate IT infrastructures.

Remote Attestation guarantees health and identity of 3rd party devices.

The challenge

Within today's global and digital economies, supply chain challenges are both significant and diverse, ranging from protecting outsourced call centres, to outsourced IT services and supplier integration. However, many of the associated risks are common, including those to shared data, and to the integrity and availability of IT systems when connected to less well protected supplier networks.

Organisations are increasingly focused on the cyber maturity of suppliers, however common checkbox compliance exercises can be both time consuming and focused on compliance rather than measured risk reduction.

Becrypt OS – Simplifying Supply Chain Security

Becrypt OS (formerly Paradox) is a security-focused operating system and management platform designed in collaboration with UK government to simplify the deployment and management of endpoint devices. As Becrypt OS has been accredited for government use, demonstrating ongoing compliance through policy configuration requires minimum effort and overhead. A unique combination of Device Health Measurement and Remote Attestation allows organisations to control access to networks and services, ensuring supplier devices are identified, and in a healthy state.

Key benefits of Becrypt OS include:

- Accredited endpoint platform simplifies supplier compliance validation
- Measured software execution provides complete confidence in supplier device health
- Remote Attestation protocol guarantees identity and health of 3rd Party device connections
- Supports range of endpoints including Desktops, Laptops, Thin Clients, Kiosks...
- Automated deployment and patch management reduces cost of ownership
- Modern browser-based design, rapid boot and single sign-on enhances usability



Secure by design architecture

Becrypt OS - secure by design

The security focused operating system incorporates a 'secure by design' architecture, ensuring devices remain in a known good healthy state, free of malware.

Key features of Becrypt OS include:

- Unique trusted boot and measured software execution ensures cryptographic validation of firmware, operating system and all application components
- Standards-based remote attestation protocol allows server validation of device identity and health
- A light-weight and read-only operating system ensures Becrypt OS is not susceptible to common exploits
- Sandboxed user account for privilege escalation prevention and detection
- On premise or cloud hosted management infrastructure for rapid, automated and transparent patch management
- Architecture ensures high-value, low-volume audit events with SIEM integration
- Supports diverse hardware platforms including: desktops, laptops, thin-clients and portable thumb drives

An incredibly cost effective approach

The accredited security architecture removes the need for third party software such as anti-virus, IDS and personal firewalls, thereby reducing costs as well as complexity and simplifying automated patch management.

Additionally the Becrypt OS managed service offering provides an optional cloud hosted end to end 'device as a service' platform that organisations can utilise.



Why #becrypt

With a heritage of creating National Cyber Security Centre certified products, Becrypt is a trusted provider of endpoint cybersecurity software solutions. Becrypt helps the most security conscious organisations to protect their customer, employee and intellectual property data. It has an established client base which includes governments (central and defence), wider public sector, critical national infrastructure organisations and SMEs.

As one of the early pioneers in disk encryption software to today being first to market with a unique desktop operating system, Becrypt continues to bring innovation to endpoint cyber security technology. A recognised cyber security supplier to the UK government, Becrypt's software also meets other internationally accredited security standards. Through its extensive domain and technical expertise, Becrypt helps organisations optimise the use of new cyber security technologies and its flagship security solution Becrypt OS delivers a highly secure platform for the modern age.

Becrypt Secure Endpoint Services

Talk to the Becrypt Team about our service option for Becrypt OS customers, desktop-as-a-service. With the Becrypt OS 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.

Get in Touch

If you would like to find out more about **Becrypt OS** please contact us on

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