

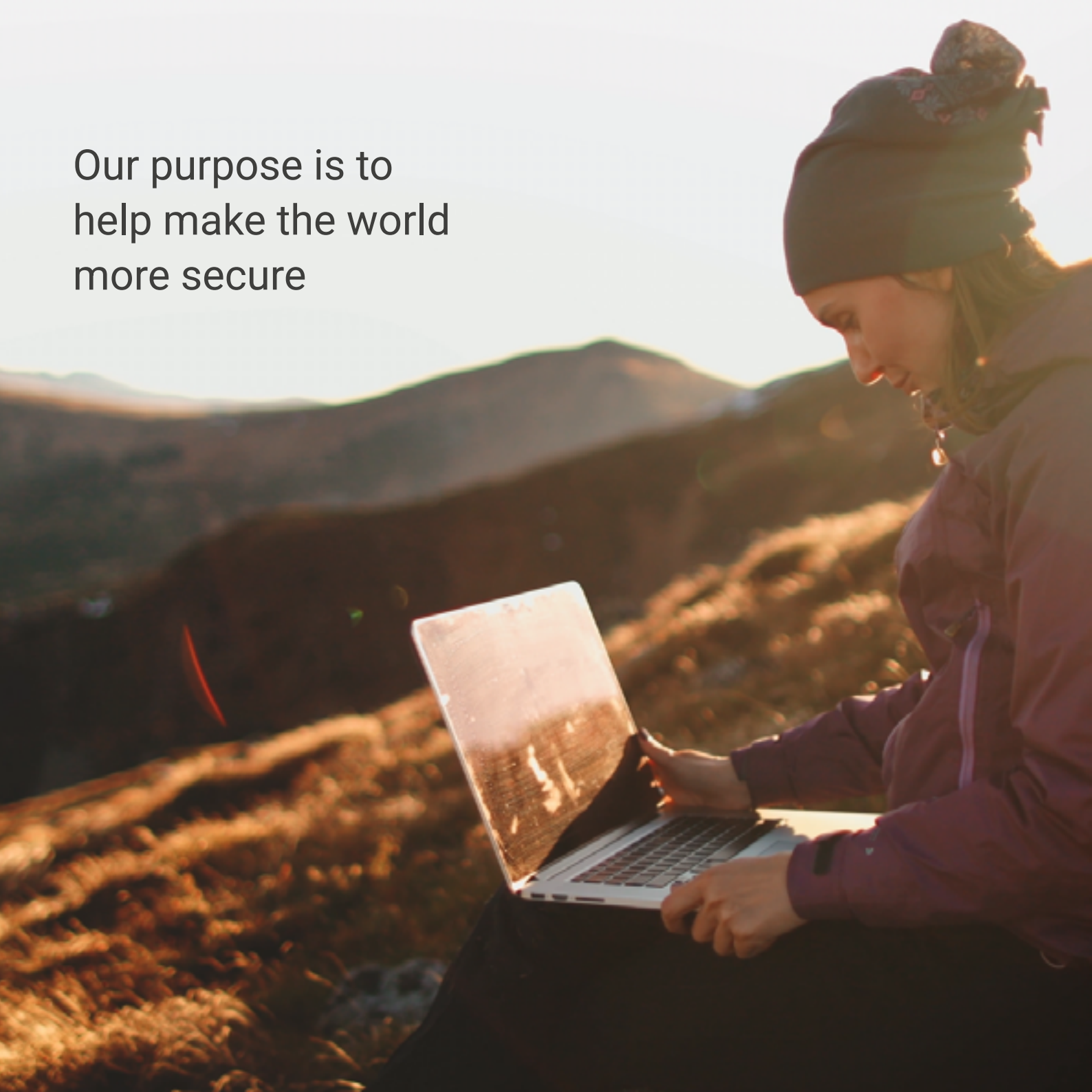
#becrypt



**Cyber security solutions for
high-threat environments**

www.becrypt.com | Tel: +44 (0) 845 838 2050

Our purpose is to
help make the world
more secure



What we do

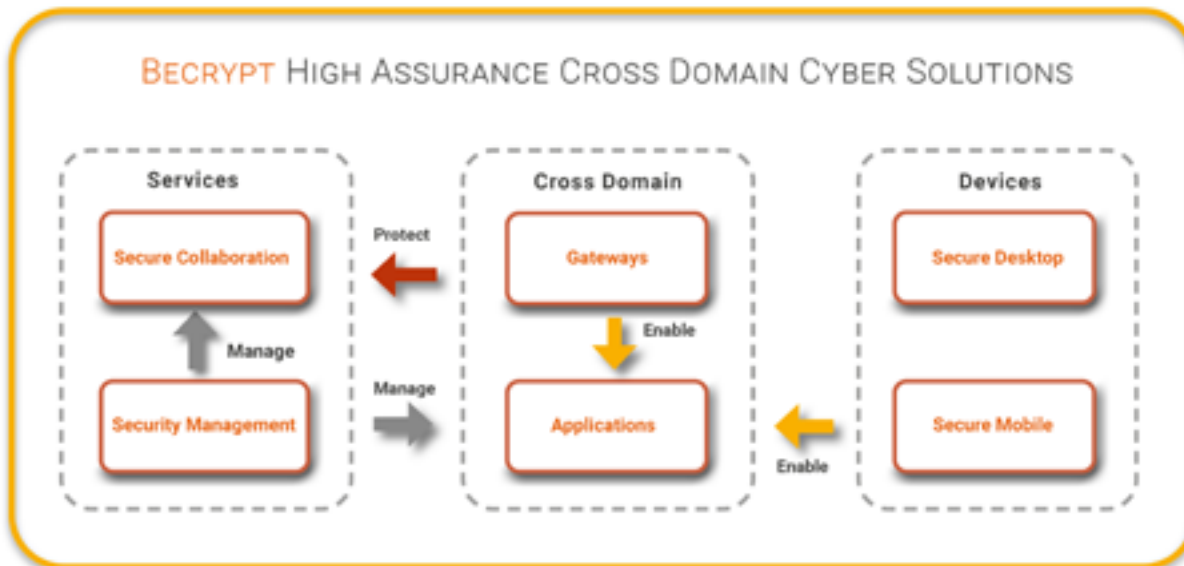
We work with organisations across government, defence and the wider Critical National Infrastructure (CNI) to help build systems that keep our most valuable assets and information secure from elevated cyber threat.

We live in an increasingly interconnected world that is experiencing an exponential explosion of data. Cyber threats and adversary techniques are rapidly evolving, operating across a complex grey zone where boundaries between communication, competition and conflict are increasingly blurred. To help our customers work effectively and securely in today's high-threat environments, industry and government are collaborating in the development of **high assurance** cyber security solutions.

Becrypt provide high assurance solutions that enable secure collaboration across governments and partners. Our innovative technologies have been funded by, and developed with government, to enable Zero Trust integration across high-threat multi-domain environments. Our integrated range of Cross Domain, Endpoint Device and Mobile products and services are Secure by Design - from concept to deployment.

Effective cyber security is an enabler.

We deliver high assurance products and services to simplify informed risk management.



Delivering High Assurance

The UK National Cyber Security Centre (NCSC) guidance for high assurance products has been developed for organisations that are at risk from elevated cyber threats, and are targeted by the most sophisticated of adversaries.

High assurance principles describe how product developers can best support effective cyber risk management in high threat environments, while enabling the agility and flexibility required for complex IT and software systems within government and Critical National Infrastructure organisations.

From our heritage in data and device encryption, our solutions span operating system security, mobile device management, secure voice and cross domain. We turn government and private-sector funded research into commercially available products and secure managed services.

Research

We work with a number of government departments, including the National Cyber Security Centre (NCSC) supporting research programmes related to endpoint security, mobility and cross domain.

Products

We maintain a suite of endpoint, mobile security and cross domain solutions, providing innovative cost-effective products that exploit our unique research programmes, available to both government and private sector customers.

Services

We offer a range of services that leverage our cyber security expertise and business agility, including hosted secure collaboration platforms, managed end user device services and security monitoring.



Our Customers

Becrypt's products and services are developed to meet emerging government, defence and national security requirements. With over 20 years experience in information assurance, we serve both public and private sector organisations, large and small, across the globe.

We specialise in providing security teams a better night's sleep, minimising the cost and complexity of cyber risk management, and supporting the user mission.

OUR VISION

High assurance products and services protect our customers' most sensitive information – completely.



Secure Mobile Solutions

Mobile Device Management (MDM)

Becrypt have worked with UK Government on the development of an MDM platform for high-threat environments. For an attacker, an MDM is a high-value target, that when compromised allows users to be geo-located, phones unlocked, and malicious Apps installed or existing Apps modified - all invisible to the user.

For adequate high-threat protection, a solution was required to enable an MDM platform to live on a 'high side' network, benefiting from the more robust security mechanisms provided by Cross Domain Solutions (CDS) or High Assurance Gateways. **Becrypt MDM+** is our unique CDS compatible MDM solution - deployed extensively across secure networks within the UK CNI.

Becrypt Docs is a CDS-compatible mobile application developed in collaboration with UK Government to provide controlled access to files within a secure network (high-side) from a managed mobile device.

Secure Applications

Becrypt provide a range of both in-house and partner developed applications to support secure communication and collaboration, including secure voice, video, email and messaging as well specialist applications such as **Becrypt Docs** that support mobile to high-side file browsing.

Secure mobile services can be deployed on premise, or consumed as a secure hosted service delivered by Becrypt or specialist partners.





Delivering secure communication, secure collaboration and a range of mobile business applications for high-threat environments.

Becrypt APP-XD

Cross Domain Applications allow structured data to be communicated and validated across trust domains - from office docs to geospatial data.



Cross Domain Solutions

Becrypt APP-XD is a high assurance Cross Domain Solution (CDS) that was developed in collaboration with UK Government, based on the HiTMAN CDS Architecture, to provide flexible and cost effective support for secure integration and communication across separate network trust domains. **Becrypt APP-XD** is a flexible, bi-directional API Gateway, addressing a range of API-based use cases, such as machine to machine communication, that are difficult to achieve with traditional high assurance diode-based gateways.

CDS platforms benefit from the combination of the use of hardware modules, such as FPGAs, to provide a level of assurance and protection that cannot be achieved with commercial products, such as Firewalls. Many CDS architectures to date have been required to decrypt traffic in a less-trusted network zone, such as a DMZ. The innovative **Becrypt APP-XD** architecture allows CDS traffic to be safely decrypted within an assured and trusted hardware module.

Becrypt APP-XD

is the first API-centric Cross Domain Solution. It ensures un-modified data transmission, supporting authentication and certificates for Zero Trust in High Threat environments.

Management Isolation

Becrypt APP-XD forms a standard building block for UK Government recommended architectures for secure networks, creating isolation between management platforms and endpoint or mobile devices for all management traffic.

Document Validation

Content Disarm and Reconstruct (CDR) validation of document content, providing protection against known and unknown malware.

Network Protection

Becrypt VDI Guard is a network isolation platform that uses **Becrypt's APP-XD** high assurance gateway to protect environments hosting VDI, RDP and SSH services accessed from less trusted networks or devices.

Secure email

Becrypt Mail provides CDS compatible end to end encrypted email between organisations and their partners.

Calendar Synchronisation

Becrypt Calendar Sync is an example of automating controlled information exchange between low-side and high-side calendars.

Data Import

Controlled import of data, from Geospatial to SIEM ingest.

Secure Endpoint Solutions

Becrypt OS (Formerly Paradox)

For many organisations, an increasingly large number of users and customers exclusively access online or client-server applications and services, with user devices becoming simply a platform to launch a browser or thin-client application. However, popular feature-laden operating systems present a level of software complexity that ensures that endpoint devices remain the target platform of compromise for the majority of cyber-attacks.

Becrypt OS is a secure operating system that can be deployed on a variety of devices, including thin-clients, laptops or embedded devices. **Becrypt OS** optimises cost, security and flexibility for access to online, client-server or browser-based applications.

Designed in collaboration with the National Cyber Security Centre (NCSC), Becrypt OS provides cryptographic assurance that all device software and firmware is in a known good state, free from compromise on system start.

Detect

Provides high assurance that device is in known good state. Device health and identity can be proved to online services.

Defend

Security architecture defends against advanced threats: read-only system partition, user and application models prevent privilege escalation.

Manage

Simplifies user and device management complexity and overhead. Automated management of OS and application patches.

Secure Desktop

Becrypt OS is deployed as the standard desktop across government and defence classified networks - protecting organisations from elevated cyber threat.

Privileged Access

Becrypt OS is deployed across the critical national infrastructure, protecting privileged access workstations.

Supply Chain

Becrypt OS supports device health attestation, securing the connectivity of supply chain endpoints.

Secure Remote Working

Secure hybrid and remote working to enable secure access to sensitive or accredited systems from anywhere.

Services

Becrypt Collaborative Work Environment

Becrypt Collaborative Work Environment is a managed service designed for organisations that are looking for secure Private Cloud-hosted productivity and collaboration services. It has received accreditation for use within the UK Defence Sector.

This service reduces the costs and complexities of collaboration across partner and supplier communities. Becrypt deliver a high performance, secure and flexible platform that allows partners to focus on mission success, rather than struggling with legacy IT headaches. The environment supports office productivity, secure voice and video, and a range of product management tools.

Becrypt Secure Endpoint Services

Becrypt Secure Endpoint Services is a complete managed Device as a Service (DaaS) offering that allows organisations to consume endpoint devices and their management as a service based on the government accredited **Becrypt OS** endpoint software. This solution provides unrivalled security, yet reduces the cost of ownership to a fraction of traditional endpoints.

It complies with standards such as Cyber Essentials+, Def-Stan 05-138 and ISO 27001 applied to secure enclaves. With **Becrypt OS** federated device identity, this service provides the ideal platform for achieving assured cyber resilience for remote workers and the supply chain. Additionally it helps smooth those organisational bumps and barriers to technology change – helping IT Services do more for less.

Becrypt Bespoke Services

Becrypt Bespoke Services is a tailored cybersecurity solution to meet unique organisation needs.





Access our product and service brochures by scanning QR code.

Becrypt Headquarters:

Becrypt Limited, Albion House, 1st Floor, 55 New Oxford Street, London WC1A 1BS, United Kingdom



+44(0) 845 838 2080



sales@becrypt.com



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