Paradox
a High Assurance Desktop

Overview

Paradox is a security-focused operating system designed in collaboration with the National Cyber Security Centre (NCSC) to support enterprise desktop and laptop deployments accessing government classified networks. Paradox has been widely deployed across Government and Defence, providing a secure, usable and cost-effective platform for accessing private cloud, browser-based applications and network services.

Becrypt remain engaged with government partners whose continued input is helping to ensure Paradox alignment with strategic IT transformation programmes. Current work includes government funded development to ensure compatibility with the next generation of Cross Domain and Secure Mobile solutions.

Designed for High Assurance

As a 'High Assurance' product, Paradox is designed to protect against elevated threats, with an architecture that has enabled key security components to be validated by NCSC, and that is subject to regular security testing.

Paradox uniquely ensures endpoint devices are in a known healthy state on system start, through a series of cryptographic health measurements that apply to all software and firmware components, based on a hardware root of trust.

Software access and privilege control mechanisms prevent device exploitation by commodity attacks, and simplify endpoint security monitoring.

Device Identity Management allows strict control over access to network application and services, using an accredited Remote Attestation protocol.

About Becrypt

Becrypt is a London Headquartered UK SME with around 70 staff, the majority of whom exist within engineering research and development. Becrypt has 20 years' experience of developing security and encryption technology for government, defence and security customers. Becrypt maintains a Government accredited environment and cleared staff.

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