

# Becrypt **Cloud-S**

Sovereign Cloud Services

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## Sovereign Cloud Services

**Becrypt Cloud-S** enables secure collaborative working for organisations looking to consume Private Cloud Services with UK Hosting, for compliance and resilience. Designed to meet an enterprise need for collaboration within the critical national infrastructure and regulated environments, supporting Microsoft office productivity, video and voice conferencing, and an extensible platform of project management and collaboration tools. Based on Becrypt's market-leading Everything 365™ Public Cloud managed service offering, the platform uses Private Cloud infrastructure to integrate best-in-class collaboration tools that are configurable to meet a range of customer requirements, as well as an integrated IaaS platform that enables self-service application hosting.

### Helping critical national infrastructure with secure collaboration and compliance.

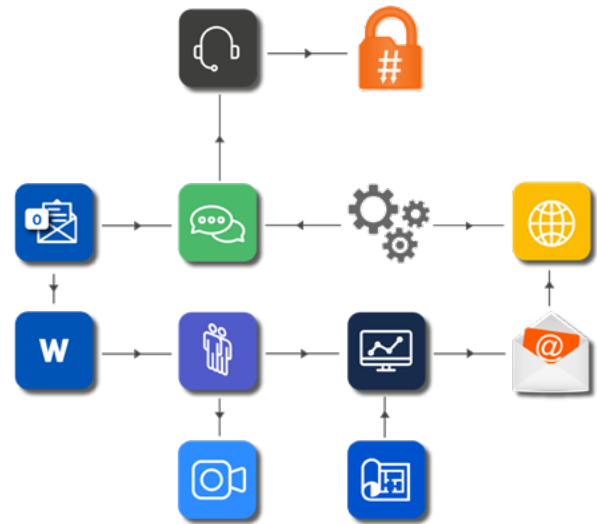
Becrypt Cloud-S provides an ideal platform for security conscious organisations to achieve compliance or accreditation rapidly and cost-effectively for projects that extend an organisation's collaboration requirements and risk profile. Becrypt Cloud-S has been accredited for use within the UK defence sector to protect official sensitive information and provides the basis for protection above official with integration of approved High Assurance components.

Becrypt Cloud-S provides an easy route for defence suppliers to achieve Cyber Essentials +, Def Stan 05-138, or even ISO 27001 compliance for hosted project environments using sovereign UK data centres.

### Accredited within UK Defence sector for official sensitive, and accreditable for secret.

## Becrypt Cloud-S

UK Private Cloud for Secure Collaboration



Ideal for organisations looking to reduce IT costs and increase time to value, whilst implementing secure third-party collaboration and compliance. Becrypt Cloud-S uses proven technology components and architectures that have been developed with and accredited by UK Government, and are widely used across the public and private sectors to simplify risk management while delivering a first-class user experience.

As standard, Becrypt Cloud-S employs a privately hosted Microsoft Office Online Server, with Exchange, SharePoint, and Terminal Services, delivering browser-based access to familiar office productivity (Word, PowerPoint, and Excel) and Email services. An integrated open source VOIP, Video and Instant Messaging platform provides an intuitive secure communications environment. The standard service offering includes project management and rich collaboration using either an Atlassian Jira instance, or OpenProject dependent upon customer requirements.

Becrypt Cloud-S is hosted by default, as a single tenancy within a secure private UK data centre. To support evolving or bespoke customer requirements, Becrypt can provide a flexible pool of co-located compute, storage, and networking. Customer defined templates may be used to constrain workloads to authorised images and networking configurations with infrastructure as code supporting policy and accreditation, ensuring strict change control and audit trail for accreditation maintenance.

The platform provides extensive monitoring and reporting, and rich APIs allow automation and developer integration. Becrypt provide bespoke consultancy resource in line with customer requirements, calling on the company's extensive UK-based software development, DevOps, IT and security resources. For redundancy, bespoke services are optionally replicated to a second UK data centre.

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For a collaborative working environment (CWE) security should not detract from the key advantages of leveraging cloud technologies, namely the flexibility to scale and adapt services to evolving demand. Becrypt ensure a number of principles are adhered to, to maintain flexibility and attractiveness of the service offering:

### **Avoid vendor lock-in**

Becrypt's customers are retained through service delivery excellence, not vendor lock-in. Becrypt Cloud-S reduces dependency on proprietary IPR, and we ensure our customers can maintain a migration path for service capability and data to other private or public sector platforms and providers if needed.

### **Tailor to customers' needs**

We have a track record that spans the delivery of small agile projects for government, through to supporting large-scale strategic programmes: from the rapid provisioning of new capability in sandpit environments to supporting collaborative transition to large-scale deployments.

### **Community expansion**

Becrypt Cloud-S allows user identity management to be augmented with strong device identity management, allowing partners to have confidence in the health of endpoint devices as the community grows. When used with the accredited Paradox Operating System, new partners can inherit an accredited endpoint platform with minimal overhead.

### **Private "cloud of clouds"**

To leverage competition and innovation, organisations typically engage multiple public cloud providers, so we help consumers of high assurance private clouds to adopt an equivalent model. Becrypt can work with other data centre and service providers, using federated identity management and secure connectivity to appropriately accredited platforms to allow customers to transparently access service capability from other cloud providers through a common service window.

### **Secure mobile compatibility**

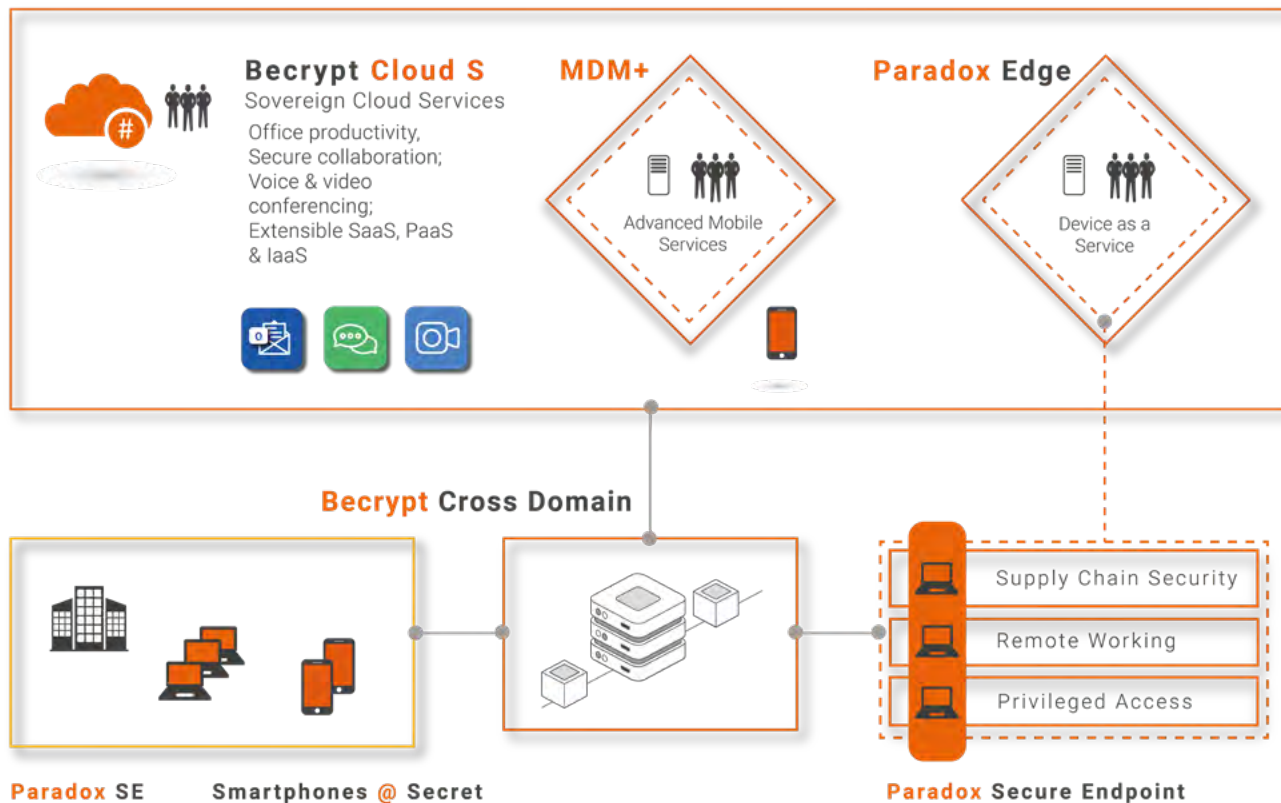
Working with partners within the UK High Assurance sector, Becrypt have supported the development and deployment of secure mobile architectures, with smartphones now deployed and in use within the defence community above Official Sensitive. Becrypt Cloud-S is compatible with High Assurance architectures, allowing integration of mobile platforms, while maintaining security or accreditation status.



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With over 20 years of experience of providing security products and services to government and their partners, Becrypt are today a leading supplier of High Assurance capability.

Through NCSC funded R&D, we have helped shape both the architectures and technologies now in use across government and the CNI to support remote working, collaboration and mobility above Official Sensitive. We provide security and architectural support and advice; managed services both directly and through partners; security monitoring; and bespoke engineering services all informed by our security pedigree, while delivering the user experience that even our most security-conscious customers now demand.



### Becrypt Product Integration

Becrypt’s range of High Assurance products can be easily integrated with Becrypt Cloud-S to enhance organisational and supply chain resilience.

Paradox and Paradox SE provide an accredited platform for highly secure endpoints, with Paradox Edge an optional hosted Device as a Service managed service offering.

Becrypt’s MDM+ developed in collaboration with NCSC, provides the standard architecture for mobile device management in elevated threat environments.

Becrypt’s Cross Domain Solution capabilities can provide strong isolation of management infrastructure from un-trusted networks, and provide strict controls of data sharing across peered networks.



## Service Features

- Familiar and easy to use productivity tools
- Rich collaboration platform with voice, video, messaging and planning environments
- Extensible IaaS platform with control and accountability through managed infrastructure as code
- Federated identity management enables optional secure connectivity to additional cloud platforms
- Layered security architecture includes managed VPN and Firewalls configured to NCSC guidelines
- Dedicated Security Operations Centre with 24/7 security monitoring
- A range of multi-factor user authentication options
- Optional endpoint security provided by the government accredited Paradox Operating System
- Service access restricted to authorised devices with optional device health measurement
- High availability and site replication for disaster recovery
- Self-service or managed user and device enrolment
- Device application & policy management
- Service infrastructure management
- Software vulnerability and patch management
- Reporting
- Incident Management

## Information Assurance

Becrypt's Cloud-S is hosted within UK-based private data centre, managed by cleared UK staff. Becrypt have a record of accomplishment in delivering a range of desktop, remote working, collaboration and mobile services at Official Sensitive and above, both directly and through select UK partners.

Becrypt support system accreditation activities, providing high-level design documentation, details of service security management and monitoring processes.

## On Boarding

Becrypt can provide new customers immediate access to an existing environment to support consideration of technology options, including consideration of integration with existing corporate IT where required.

User authentication, security policy, support and governance processes are then agreed, allowing an initial capability to go live within weeks. Becrypt provide a dedicated team of consultants, architects and engineers to support service expansion and evolution in line with evolving customer requirements.




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## About Becrypt

Becrypt is an agile London-based UK SME with almost 20 years' experience of disruptive innovation in cyber security. We supply governments and security-conscious commercial organisations, large and small, with a range of security solutions and services - from funded research, to commercially available products and flexible managed services.

Adopting emerging technology, be that cloud or mobile, is about enabling business value and improving user experience. Technology should be designed to be secure by default, simplifying informed risk management. We leverage relationships with government and the 'High Assurance' communities to deliver technologies and services designed for elevated threat environments, and available for all.

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

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