



The Information Security Arm of GCHQ

Making Sense of the Changing Product Assurance Landscape

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Why does assurance matter?

There are two ways of constructing a software design:

One way is to make it so simple that there are obviously no deficiencies, and the other way is to make it so complicated that there are no obvious deficiencies.

Sir. C.A.R. Hoare, 1980 Turing Award Lecture



Product Assurance and GCP

Grades of Assurance

TOP SECRET

SECRET

OFFICIAL

High Grade

(new) Enhanced Grade

Foundation Grade

Schemes:

CAPS

CPA

Common Criteria



Getting IA right for OFFICIAL

Confident use of public cloud services

Secure commodity WANs

Desirable and protected end user devices

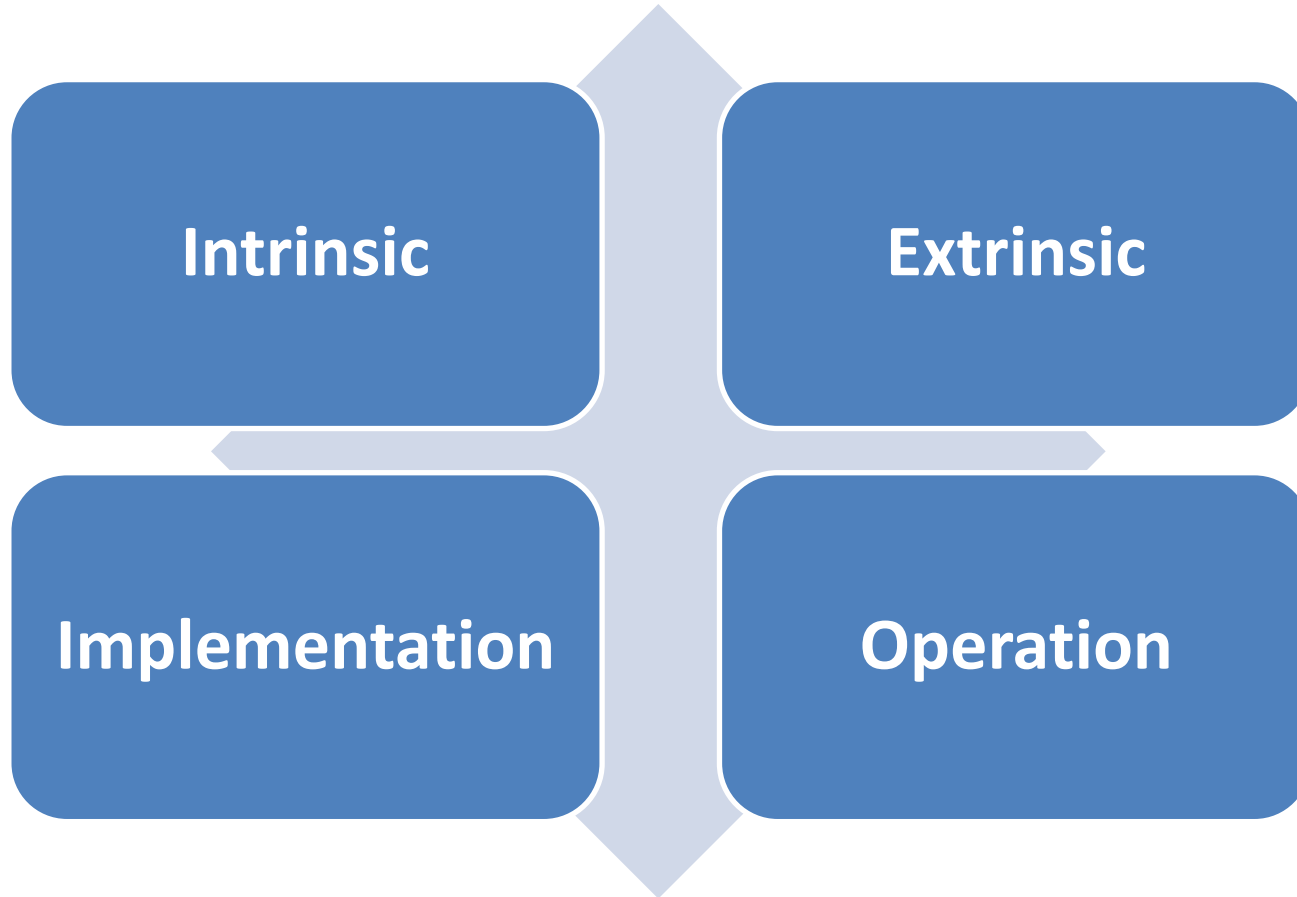
AND

Informed Risk Owners

Secure information

Happy end users

The four areas of assurance





Commercial Product Assurance

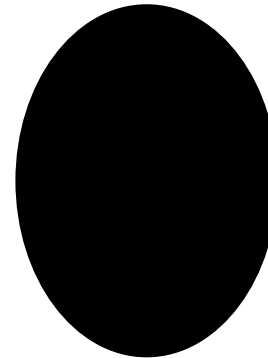
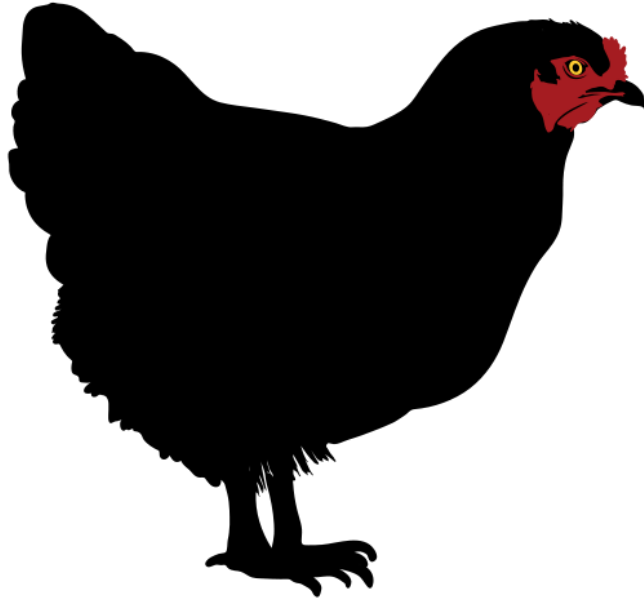
Security Characteristics

Build Standard Validation

Security Procedures

Assurance Maintenance

The Chicken and Egg Problem





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<http://www.cesg.gov.uk/servicecatalogue/CPA/>

THANK YOU