Radiant object security

John D.H. Pritchard *

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Abstract

Radiant object theory [1], topology [4], applications [2], and continuity [3] opened a perspective on social peer trust networks. This effort is a continuation of that examination of radiant object systems.

1 Structure

If communications link privacy is guaranteed by the padded pad

```
oaep b<m>:pk b<n>:k
oaep b<m>:pt b<n>:t
xor b<m>:pm b<m>:pk b<m>:pt
```

the shared secret key material requires private production and sharing. Perhaps a duplex infrared serial port is employed for sharing the secret key material that is part of the guarantee of link privacy.

The inconvenience represented by the maintenance of key material includes the metaphysical work of organizing key material maintenance and the physical work of performing key material maintenance.

The nano-economics of key material become the nano-economics of link communication in practice. Using these links for package broadcast reaching is expensive in terms of padding.

The nano-economics of padded links illustrates the dynamics of social mesh internetworking. Network bandwidth is *link* scarce.

References

[1] J. Pritchard. Introducing radiant object theory. Technical report, Syntelos, December 2020.

[2] J. Pritchard. Radiant object applications. Technical Report 20201214, Syntelos, December 2020.

[3] J. Pritchard. Radiant object continuity. Technical Report 20201215, Syntelos, December 2020.

[4] J. Pritchard. Radiant object topology. Technical report, Syntelos, December 2020.

*@syntelos, logicalexistentialism@gmail.com