

Presented by: Mingfeng BAO

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The article introduces us how Microsoft NGSCB works and some applications running above NGSCB system.

Next – Generation Secure Computing Base

APPRECIATIVE COMMENT(1)

It gives us a very good explanation on how to achieve openness securely

- SCP & authenticated operation
- code ID (cryptographic digest, hash)
- code based access control model
- Virtual Machine Monitor (VMM) isolation

SCP -- Security Coprocessor





Criticism:



>VMM & Main OS, which one boots first ?

"NGSCB platforms allow a lightweight boot of a machine monitor from within an already running operating system." > What is the meaning for S_1, S_2 ?

They were sealed by the same program, but have a different sealer's ID.



Questions:

- NGSCB has done a lot in improving system confidentiality; does it make improvement on its availability as well?
- Can we trust NGSCB fully, considering intentional back doors in OS and Applications?