

A photograph of several business professionals in a meeting, with their hands clasped together in a gesture of agreement or collaboration. The image is partially obscured by a grey diagonal overlay.

Cryptographic Hardware Devices

Hardware Token

- key is generated inside the token.
- Key is highly secured as it is part of the HW token.
- Highly portable, Machine Independent (virtual or physical).
- **Performance: ~ 1.5 signature / second.**

Use cases

- The number of transaction is less than 1.5 transaction/sec.



HSM Categories

PCI HSM

- PCIe HSM:
 - is a card-type HSM that installed into the PCI slot(s) of a host Server (signing component) ,
 - Attached to one machine (physical machine only).
 - Performance up to 10000 transaction/Sec.



Use cases

- The number of transaction is greater than 1.5 transaction/sec (hundred or thousands transaction per second)
- and
- one signing server component is used (physical machine).

HSM Categories

Network HSM

- Network HSM:
 - network attached HSM appliance.
 - Rack mounted in the server room.
 - accessed remotely via secure administrative and client links.
 - multiple applications/servers/clients.
 - Performance : Performance up to 10000 transaction/Sec.

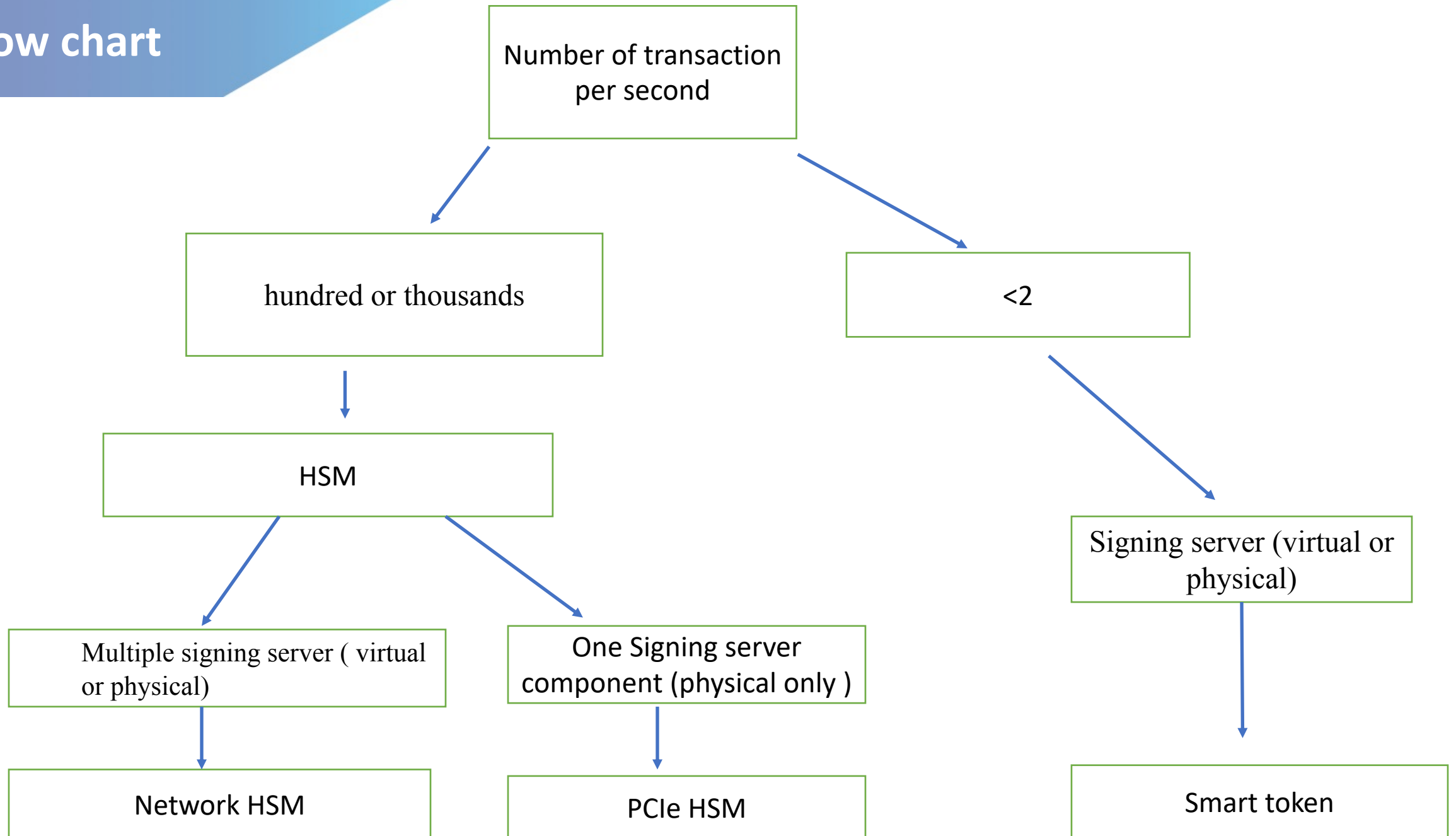


Use cases

- The number of transaction is greater than 1.5 transaction/sec (hundred or thousands transaction per second).
- and
- Multiple signing server component (physical or virtual).



Flow chart



Thank
You