



Plenary Panel on Cloud Security and Privacy: What is new and What needs to be done?

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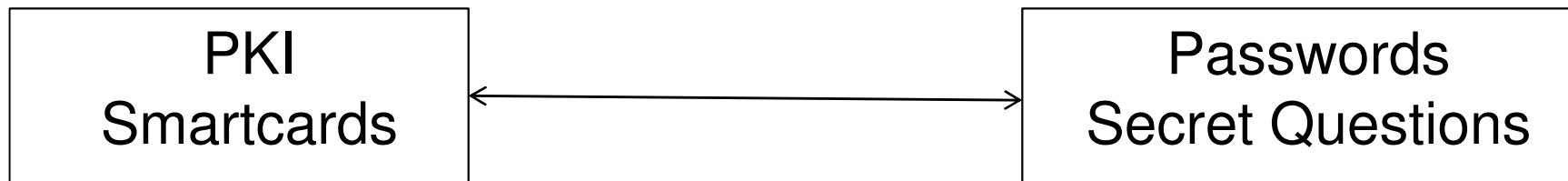
- Attractions of Cloud Computing:
 - ❖ Economics
 - ❖ Productivity
- Concerns About Cloud Computing:
 - ❖ Dependability
 - ❖ Security
- Guess who wins?!

Cyber security has evolved

- ❖ Computer security
- ❖ Computer security + Communications security
 - Consider ACM Computer and Communications Security (CCS) Conference founded 1993
- ❖ Information security
- ❖ Information assurance
- ❖ Mission assurance
 - The cloud, or any other cyber infrastructure, by itself cannot guarantee mission assurance.
 - Cyber security then becomes a piece of the larger goal of mission assurance.

Understand the Problem

➤ Internet authentication:



➤ Data security in the cloud:

