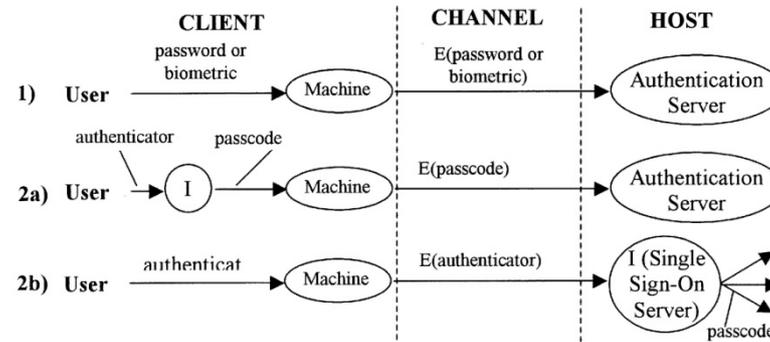


# The Quest for Single-Sign On

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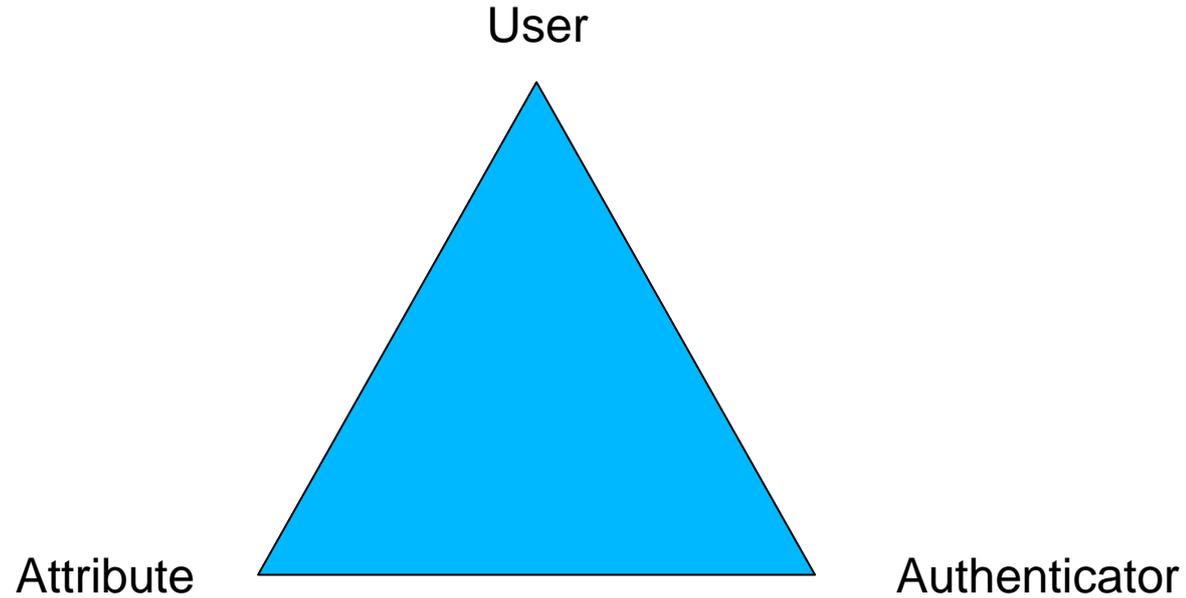
February 8, 2013

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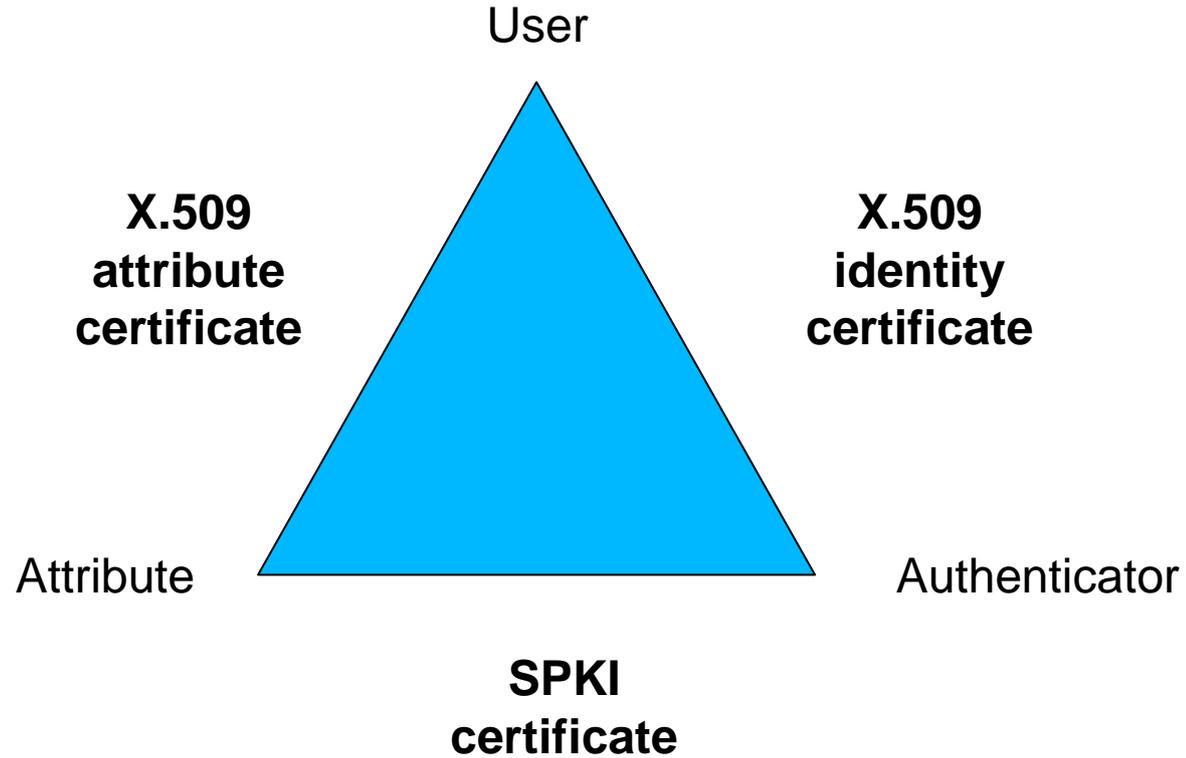


- Initial authentication
- Session establishment and maintenance to authentication server
- Authentication to multiple servers
- Session establishment and maintenance at multiple servers
- Single logout

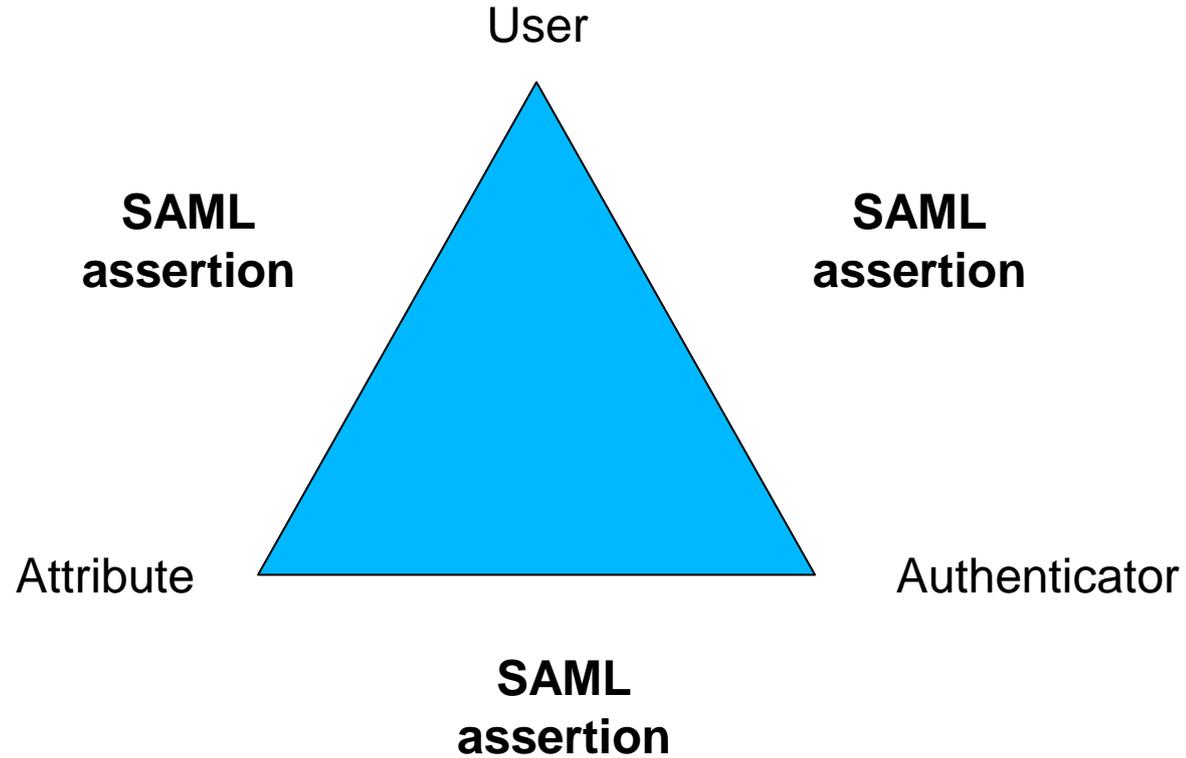
We will discuss SSO separately

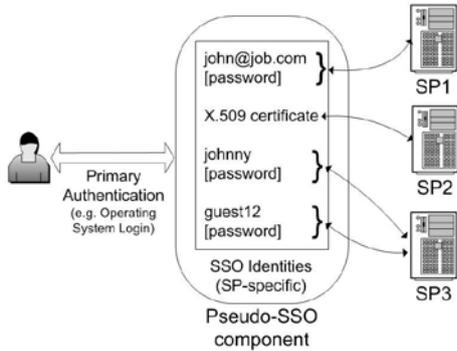


1990s



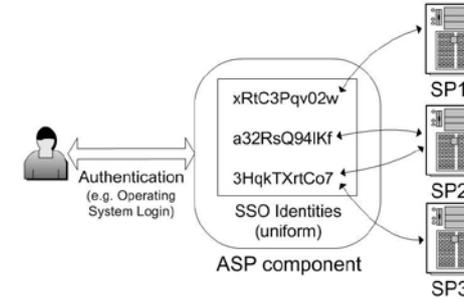
2000s





## Pseudo SSO

Identity to SP is n to 1



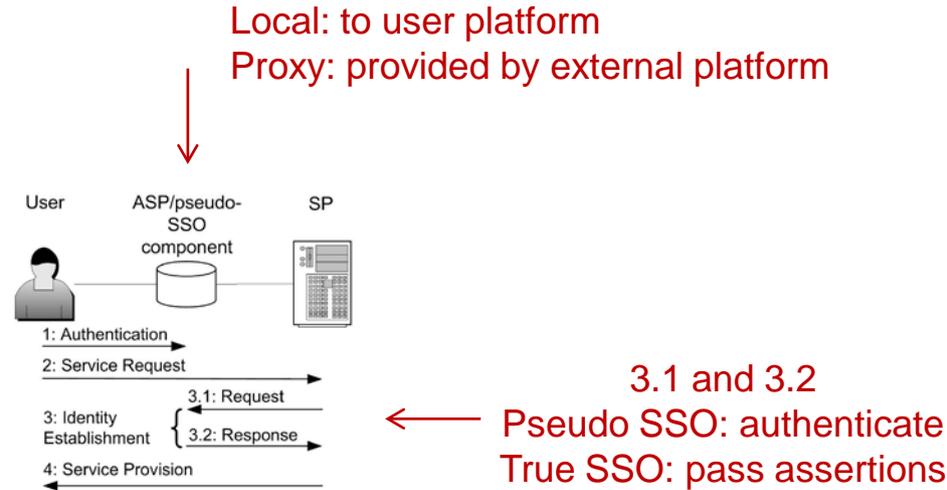
## True SSO

Identity to SP is n to m

SSO: single sign on

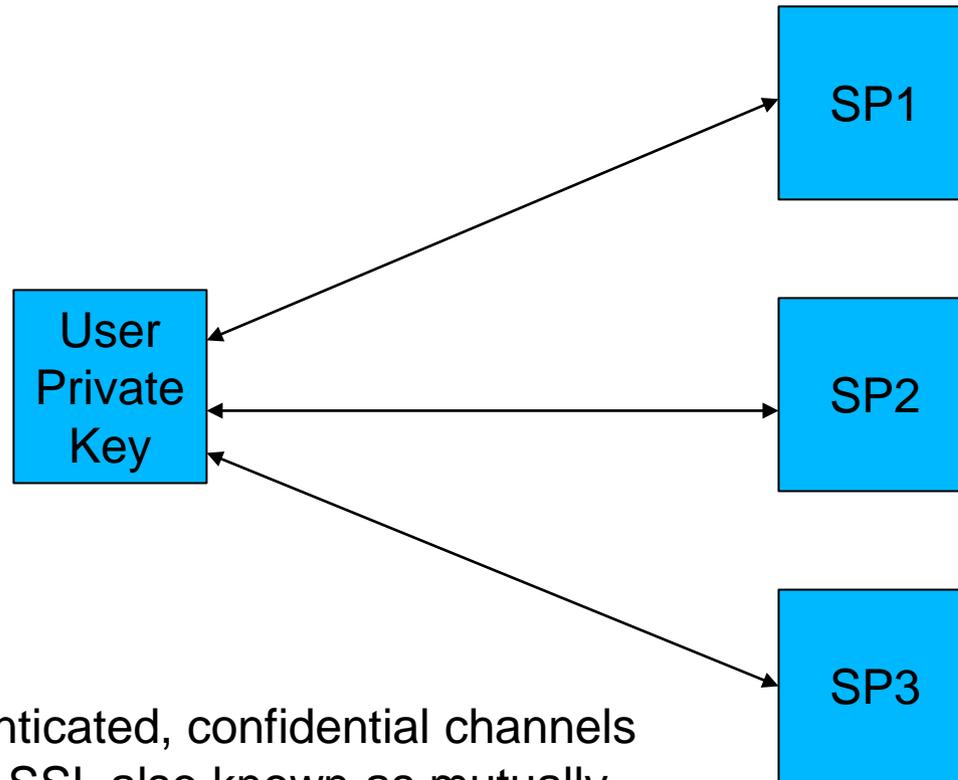
SP: service provider (also called relying party)

ASP: authentication service provider



- Local, Pseudo
- Proxy, Pseudo
- Local, True
- Proxy, True

PKI (Public Key Infrastructure) does not fall neatly into this characterization



Authenticated, confidential channels  
2-way SSL also known as mutually  
authenticated SSL