

2000

broad categories of users have the rights to use services
+ / or access broad categories of objects. It is efficient to
2 decouple role from current list of members --

• on issue: $f(\text{SECRET}, \text{role}, \text{obj-id}) \rightarrow \text{signature}$
held securely by server one-way function. eg 128 bits (this year) ...

• check again on presentation with access request

+ protects fields from tampering

6 - not theft, not transfer - any principal can use
an extra field containing the principal's persistent
name, such as the user-id, can be included in
the cap. or just put through the fn.

Persistent name must, securely, accompany request.

+ prevents theft

4 + transfer only via server creating new cap.

a transient principal-id such as process-id
can be used as above.

+ less susceptible to attack as of shorter lifetime.

- overhead of reissuing/session + on crash

4 - how to capture long-term role membership? <discuss>

Revocation.

change SECRET - non-selective - all need re-issuing
her-list - consider checking overhead of ACL check.

easier to set up revocation/status data structure

4 of her list if pointer in transient capability.