
ABAC Panel

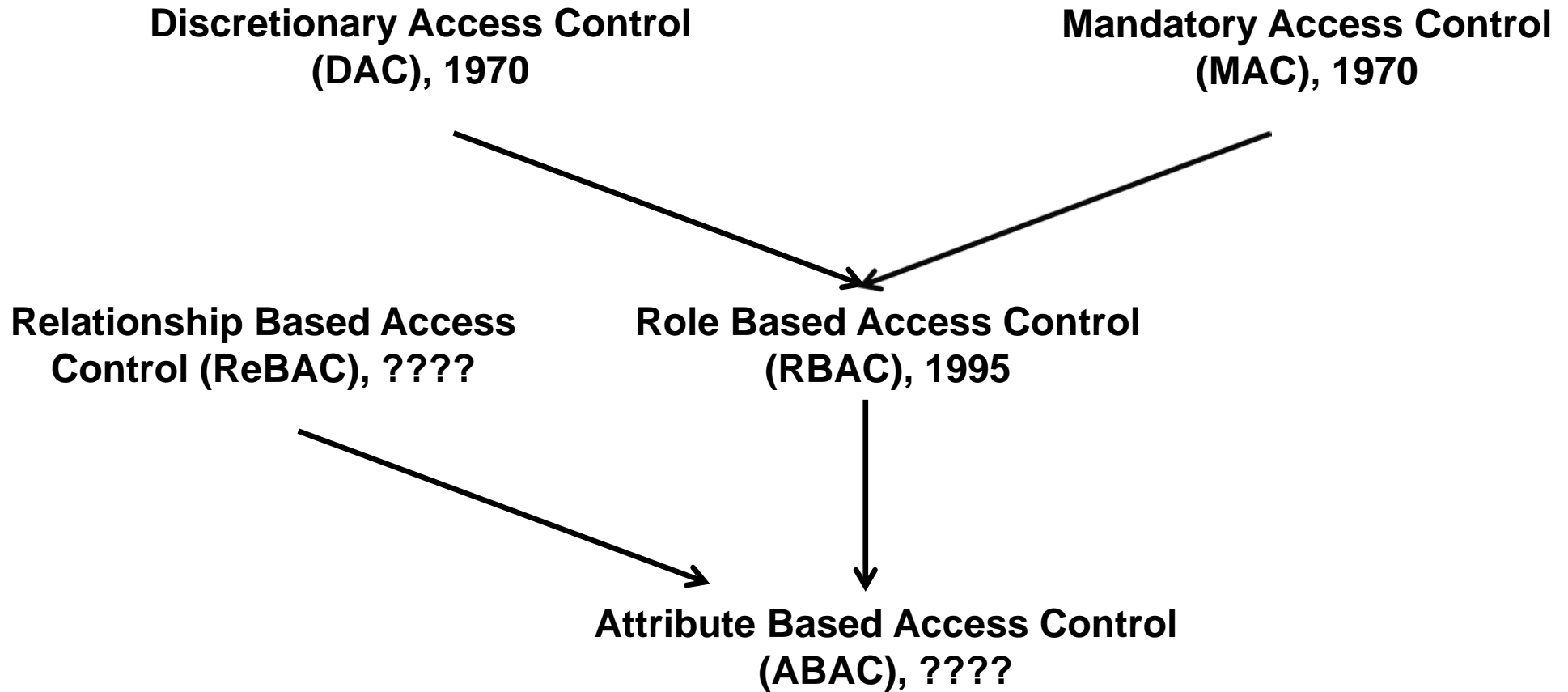
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ACM Workshop on Attribute-Based Access Control
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1. What do you see as the need for ABAC in practice?
Automation, Adaptability, Analytics, Anonymity
2. What ABAC issues, if any, have been well-studied and addressed by our community?
Foundational understanding
3. What challenges remain?
Adoption
4. How can academia, industry and NIST engage effectively?
Develop consensus, e.g., XACML ≠ ABAC

- Automation
- Adaptability
- Analytics (Review)
- Anonymity (Privacy)



- Historically, industry has built access control mechanisms that are
 - ❖ Mathematically incomprehensible
 - ❖ Lack rigorous foundations
 - ❖ Are over-featured
 - ❖ Are under-utilized

- Can this be changed? How do we make it to 5 A's?

- Maybe start with some elementary issues, e.g.,
 - ❖ XACML ≠ ABAC
 - ❖ User-Subject distinction is fundamental

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