

# Translation of XACML into RIF (Work in Progress)

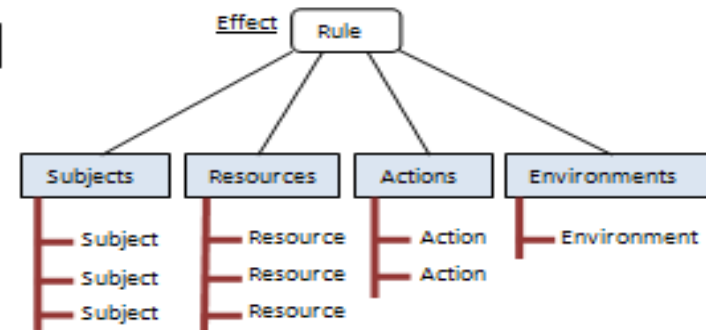
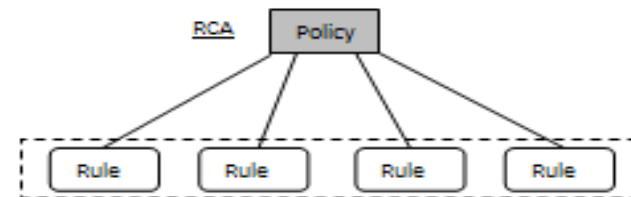
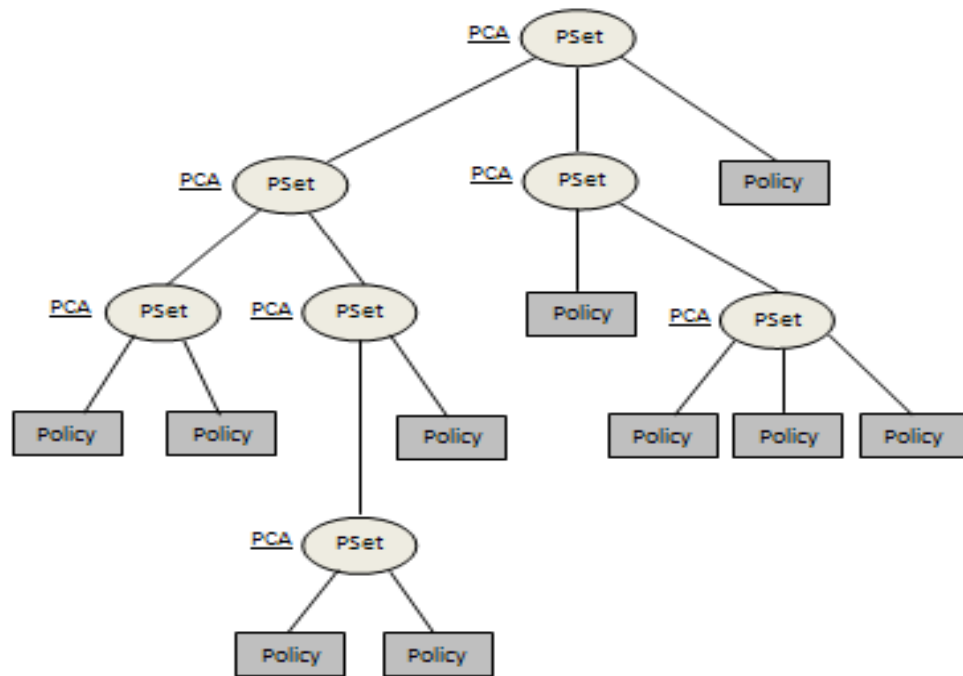
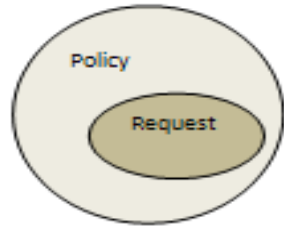
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# XACML & RIF

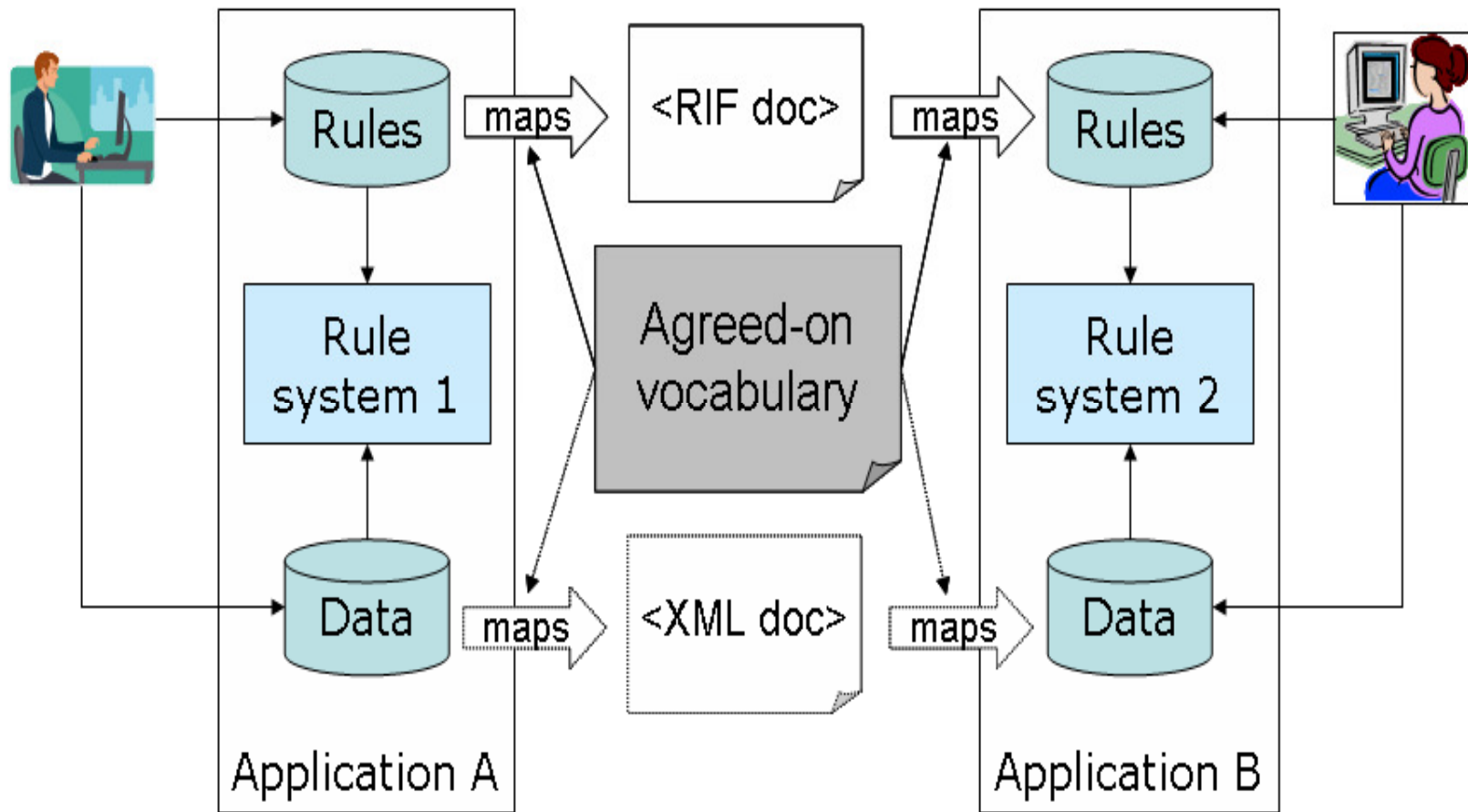
- RIF Working Group envisions a generic platform for the exchange of rules among different parties in a machine processable way.
- XACML most widely deployed access control language.

# XACML & RIF (Cont.)



PCA : Policy Combining Algorithm  
 RCA : Rule Combining Algorithm

# XACML & RIF (Cont.)



Ref: RIF Working Group Specs.

# XACML & RIF (Cont.)

- RIF-BLD corresponds to the language of definite Horn rules with equality and a standard first-order semantics

Match (?T ,? R) :- And(

Inc(?T.Subject req:Subject)

Inc (?T.Resource req:Resource)

Inc (?T.Action req:Action)

Inc (?T.Environment req:Environment)

)

# XACML & RIF Challenges

