Contents

1 question2 Theory

Built: 15 September 2019
Parent Theories: aclDrules

1.1 Datatypes

commands = grant | deny

keyPrinc = Staff people | Role roles | Ap num

people = Eve | Bob

principals = PR keyPrinc | Key keyPrinc

roles = owner | requester

1.2 Theorems

[question2Thm]

⊢ (M, Oi, Os) sat Name (PR (Role owner)) controls prop grant ⇒
(M, Oi, Os) sat
reps (Name (PR (Staff Eve))) (Name (PR (Role owner)))
(prop grant) ⇒
(M, Oi, Os) sat
Name (Key (Staff Eve)) quoting Name (PR (Role owner)) says
prop grant ⇒
(M, Oi, Os) sat prop grant impf prop deny ⇒
(M, Oi, Os) sat
Name (Key (Role requester)) speaks_for
Name (PR (Role requester)) ⇒
(M, Oi, Os) sat
Name (Key (Role requester)) says
Name (Key (Staff Eve)) speaks_for Name (PR (Staff Eve)) ⇒
(M, Oi, Os) sat
Name (PR (Role requester)) controls
Name (Key (Staff Eve)) speaks_for Name (PR (Staff Eve)) ⇒
(M, Oi, Os) sat
Name (Key (Staff Bob)) quoting Name (PR (Role *Operator*)) says
prop deny

Index