Title: RBAC in Social Networks

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Abstract:

In my research, I studied how social networks can offer more privacy and security to their users while still being user-friendly. I decided incorporating the implementation of one of the three access control models DAC, MAC, or RBAC could offer such characteristic improvements. RBAC was the access control model more equipped to be used with social networks that could offer the improvement of security and privacy for users and also be user friendly.

My research consisted of two parts. First, I researched which access control system could be used with social networks and be best effective. Within this area I studied and researched all three systems and decided which one was best for social networks. The other part of the research, was actually implementing RBAC in the social network. This consist of two parts itself the first part was using a model that was defined in a generalized, network independent method by Brandon Barkley. But I had to improve on how it could be actually used within the social network so it would be user-friendly and non-technical user would be able to use it.