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Security Management in Kerberos V5

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Abstract - It has been observed from literature that today more than ever , secure communication is a must . Most companies now use network infrastructure to conduct their business , whether internally (intranet model) or externally to reach partners or customers (extranet /internet models) . while it utopian to consider todays networks as being safe , there are solutions to make them more secure and use them with bit of trust. The aspects to securing communication over a distributed environment are authentication , integrity , confidentiality and authorization . Kerberos is a network protocol that addresses the authentication part . This application aims at using Kerberos V5 to secure a communication between a J2ME MIDLET communicating over the GPRS, and a Banking Transaction Server. This project mainly covers at gaining the initial ticket provided by the authentication server . Authentication server checks its data base to authenticate the user. If the user name and the pass word match it generates and initial ticket by which we obtain many service tickets to access the services provided by the banking transaction server .