We have designed and constructed a system for the Electronic Transfer of Prescriptions (ETP) based around storage of electronic medicinal prescriptions in an LDAP directory. Consequently, we needed to find the top performing LDAP directory in order to carry out evaluative performance tests of our ETP system. The performance and scalability requirements of the ETP project are stringent; the system needs to hold millions of entries, support a large number of searches (well-suited to LDAP directories) and a large volume of add/delete/modify operations (perhaps better suited to traditional RDBMSs).The speaker will describe the results of the LDAP directory testing undertaken as part of initial tests for our ETP system.