

Re: Password encryption

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- *From:* "Herb Martin" <news@xxxxxxxxxxxxxxxx>
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"Paul Carlton" <Paul_Carlton@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:F5232524-47D6-4228-8EEC-6BCB650D8DDB@xxxxxxxxxxxxxxxx

I am working on a project to integrate Active Directory with a database, i.e. support for AD integration so that customers can logon to our database using their AD user and password.

The problem I'm trying to overcome is that the user sends their password as clear text, i.e. they enter it into the ODBC/JDBC client. This means that our ODBC/JDBC client and server code has access to this password in clear text so a rouge developer could potentially capture user's password, which they could use to access other company systems.

What I'd like is a client plug-in that the user could install that would encrypt their password so the encrypted password could be passed through our database to the AD server. The AD server would then decrypt the password, verify it and respond to the authentication request.

Does this facility exist?

Sort of except that AD doesn't "decrypt" the password but rather compares the encrypted version (by the client/software) with another encrypted version that is stored on the server -- or uses those encrypted versions for kerberos ticket encryption (even when no passwords are transmitted.)

What you really want to do is add "Integrated Authentication" to your database.

Is your "database" written by you or some (known) database you have adopted?

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Microsoft has or used to have an SDK freely available for doing such things.

You could also create flag files or other objects which only the "user" could open and then use those to prove that the AD identity had been authenticated (but this is actually the kludgy way.)

You might also do better asking this on one of the ADSI or other programming newsgroups.