

## Re: Is an Access 2007 db Secure enough for a Corporate server?

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*Source:*

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.security/2008-08/msg00038.html>

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- *From:* "david" <david@xxxxxxxx>
  - *Date:* Fri, 8 Aug 2008 12:48:04 +1000
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I agree. Committing anything to paper – or to computer – is always a security risk, but if your Oracle Server is more secure than your File Server, you've got something set up wrong.

(david)

"Billiam" <Billiam@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:D43B622E-8FAE-451A-92A6-5C99E7320F03@xxxxxxxxxxxxxxxxxxxx>

Thanks for your great reply, David. If I understand you correctly, our access 2007 data should be okay on a properly secured microsoft Small business server network from \*non-users\*—from the internet, for example. We are not concerned about our very small group of users (although I am sure many think this is foolish!).

Billiam

"david" wrote:

Access 2007 uses Windows Security. Is Windows Security secure enough for you? If not, you should not use Windows.

Windows Security does not give you record-level security. Do you need record-level security? i.e. some people can see some data, other people only see other data? If you need record-level security, you need an additional record-level security system.

The record-level security system in MDB files is very old, does not use Windows Security, and is not secure. If you need secure record-level security, you should use MS SQL Server (or MySQL or Oracle, but only if you already use those systems) with Access.

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The role-based security system in Access is also very old, does not use Windows Security, and is not secure. If you need secure role-based security, you should not use Access. You should use C++ or C# or VB.net, so that a connection can be associated with certificate. If you use Access, there is no secure way to prevent a user from using Excel to do anything that the same user can do in Access.

Access is just as secure as your corporate server is. It does not make your corporate server less secure. It does not add any new security features to your corporate server.

If you need new features, you need to add a new service that has the new features. Adding a new service, or a new server, is automatically less secure. Adding a new Oracle or MySQL server will give you a new security weakness, will not make you more secure, but will give you new things you can do.

If you need to securely do things that Access cannot securely do, you need to a new service to do those things. It is not about if Access/Windows is secure enough: Windows 3.1 was not secure. Windows 98 was not secure. Windows Server 2003 is secure if you secure it.

Word doc files on your corporate server are secure enough if properly secured, but may not have all the database features you want. Email files on your corporate server are secure enough if properly secured, but may not have all the database features you want. XLS files on your corporate server are secure enough if properly secured, but may not have all the database features you want. MDB files on your corporate server are secure enough if secured properly, but may not have all the database features you want. MSACCESS.exe on your workstation using Oracle is secure enough if properly secured, but may not have all the database features you want.

In particular, secure record-level access control is not available with MDB files: (insecure record-level access control is available), and secure role-based access is not available with MSACCESS (insecure role-based access control is available). Secure table-level access control is difficult to implement, and would also be a reason for choosing Access with MySQL/Oracle/SQL Server instead of Access with MDB.

(david)

"Billiam" <Billiam@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:60C6503D-8E42-4232-A34E-7D39548C58CA@xxxxxxxxxxxxxxxxxxxx](mailto:news:60C6503D-8E42-4232-A34E-7D39548C58CA@xxxxxxxxxxxxxxxxxxxx)

Re: Is an Access 2007 db Secure enough for a Corporate server?

I am concerned that an Access 2007 db is not secure enough  
and that you  
should use MySQL or Oracle. Is this true and why?