

Using ImpersonateLoggedOnUser

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We have a .NET application implemented as a Windows service in order to perform impersonation for the purposes of gaining access to various resources. We are using `ImpersonateLoggedOnUser()` instead of the .NET impersonation API.

Everything works fine except when we call an external COM component that is supposed to print a report using its internal API calls. We can access file resources, etc.

We perform impersonation to a valid administrator account, yet the application fails to print (we wrote debugging information to make sure that we are impersonating properly).

The problem appears to be that the external process is still using the local SYSTEM account, which by default does not have access to printers (unless the registry is modified – see <http://support.microsoft.com/default.aspx?scid=kb;en-us;184291>). If the registry is modified to allow printer access to the SYSTEM account, printing works fine.

We do not want to have to modify the registry to allow access to printers. Any idea why impersonation is failing here?

Thanks in advance.