

WSE 3.0 Kerberos Auth and issue with Windows XP ASPNET Account

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I am using WSE 3.0 with Visual Studio 2005, specifically I'm using Kerberos authentication and passing Kerberos ticket from Presentation Tier (VSTO.2005 client) to Server Tier through our Web Services (based on WSE 3.0).

Having our WSE 3.0-WebService over Windows Server 2003, everything works great, but, over Windows XP, I have a problem (which is documented in WSE 3.0 help) but its workaround does not work properly (at least with my current testing).

The problem is that ASP.NET default user in Windows XP (ASPNET user account) does not have privileges enough for running Kerberos authentication over WSE 3.0 Web Services, so, by default, using ASPNET account, it does not work (we get WSE910 exception).

There is a MSFT sample where you can test it (WSSecurityKerberos) provided with WSE 3.0 Setup.

Also, WSE samples Help documentation says the same, and gives a workaround:

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Running the Kerberos Sample – WSSecurityKerberos

On Microsoft® Windows® XP and Microsoft® Windows® 2000 Server, the Kerberos Security sample (WSSecurityKerberos) requires additional higher privilege settings for the ASPNET account. There are several ways to enable this. One is to give ASPNET account "Act as part of Operating System" privilege using Local Security Setting, and then reboot the system. Another alternative is to modify machine.config by setting the username attribute equal to "system" in the ProcessModel element, and then reset IIS.

NOTE: By default the policy version of the WSSecurityKerberos does not work and throws an exception. This is because the machine name where the service is running needs to be updated in the wse3policyCache.config in the WSSecurityKerberosPolicyClient project to the machine where the service is installed.

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Using SYSTEM account as aspnet_wp.exe WinXP-IIS pool process identity (changing machine.config) with WSE 3.0-Kerberos over Windows XP, does work

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properly, BUT, the problem we have is that we DO NEED to run our XML Web Service with any account (lik