

HELP! WSE Token Manager calling another webservice

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Hi,

At this moment I'm involved in a software development project and we are experiencing a difficult problems. I really hope that anyone can help us to solve it, since we are working on a deadline and this keeps us from releasing our product, which is crucial for our organization.

I'll explain our situation:

Our solution exists of three parts:

1. We have a Windows Forms application, which is the client.
2. There is our Processing Webservice, which uses WebService Enhancements 2 SP3 (WSE) and SSL.
3. Finally we have our Authentication webservice, which is a completely different website, running on the same webserver, this also uses SSL but no WebService Enhancements.

HOW IT SHOULD WORK:

This client app (1) has to exchange information with the Processing webservice (2). The client will send an X509 client certificate to the webservice to authenticate itself. The request passes through a WSE Token Manager class, which retrieves the client certificate from the request. The token manager will then initiate a connection to the authentication webservice (3) and passes the X509 client certificate to that webservice.

The authentication webservice does not use a token manager but just gets the client certificate from the connection and returns the list of roles for the user owning this certificate. The Processing webservice (2) uses the set of roles to create a principle for the client app. When that's done properly, the actual webmethod will be invoked on the Processing webservice.

DESCRIPTION OF OUR PROBLEM:

The communication between the Processing webservice and the

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authentication webservice does not work properly. The authentication webservice can be called directly from Internet Explorer but if we call it from our WSE Token Manager, it we get a timeout or a 403 Access Denied message. Since this is a crucial part of the solution, we need a real solution as fast as possible!

OUR CONFIGURATION:

All software is currently installed on a Windows XP computer, in production this will all be hosted on a Windows 2003 server. We are using IIS5, .NET Framework v1.1 and WSE is installed. Each webservice is installed as a new Application within IIS, they all use Forms authentication and they all have Directory Security set to Anonymous and Windows Integrated Security is disabled for them. Each webservice had Require Certificates checked. All Web applications are working under the standard anonymous user account IUSR... with no special perm