

# Cryptographic service provider (CSP) could not be found for this algorithm.

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2004-09/1568.html>

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I'm running an ASP.NET webapplication on a Windows 2000 Server SP4 machine with .Net Framework 1.0 installed.

The ASP.Net application uses impersonation (windows domain account). This is needed for communication between two servers (some ldap stuff). Furthermore the application uses FormsAuthentication. At some point the FomrAuthentication.Decrypt method is called. At this point I get the following error:

Cryptographic service provider (CSP) could not be found for this algorithm.  
Description: An unhandled exception occurred during the execution of the current web request.  
Please review the stack trace for more information about the error and where it originated in the code.

Exception Details:

System.Security.Cryptography.CryptographicException:  
Cryptographic service provider (CSP) could not be found for this algorithm.

Source Error:

An unhandled exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.

Stack Trace:

[CryptographicException: Cryptographic service provider (CSP) could not be found for this algorithm.]

System.Security.Cryptography.DESCryptoServiceProvider..ctor() +239  
System.Web.Security.FormsAuthentication.Initialize() +242  
System.Web.Security.FormsAuthenticationModule.OnEnter(Object source, EventArgs eventArgs) +146  
System.Web.SyncEventExecutionStep.Execute() +60  
System.Web.HttpApplication.ExecuteStep(IExecutionStep step, Boolean&

microsoft.public.dotnet.framework.aspnet: Cryptographic service provider (CSP) could not be found for this algorithm

completedSynchronously) +87

The application runs fine on another Win2K SP4 machine and also on some other WinXP machines.

I tried to install the Windows 2000 High Encryption Package. But that didn't solve the problem.

The error doesn't occur when I turn impersonation off. But the application needs impersonation so this is no solution.

So what to do ?

I searched msdn and the internet but I couldn't find anything that solves the problem.

Any help is appreciated.

Thanks in advance.

Sven-Torben