

IIS 5.1 Directory Authentication Bypass

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Introduction:

Although IIS5 is very old, finding one is not impossible! Therefore, I want to introduce a technique to bypass the IIS authentication methods on a directory.

Description:

This vulnerability is because of using Alternate Data Stream to open a protected folder. All of IIS authentication methods can be circumvented (Fig. 1). In this technique, we can add a “:\$INDEX_ALLOCATION” to a directory name to bypass the authentication.

Figure 2 shows a protected folder - “AuthNeeded” – which includes “secretfile.asp”.

It is possible to run “secretfile.asp” by using:

“/AuthNeeded:\$INDEX_ALLOCATION/secretfile.asp” (Fig. 3)

Instead of:

“/AuthNeeded/secretfile.asp”



Figure 1- Different authentication methods

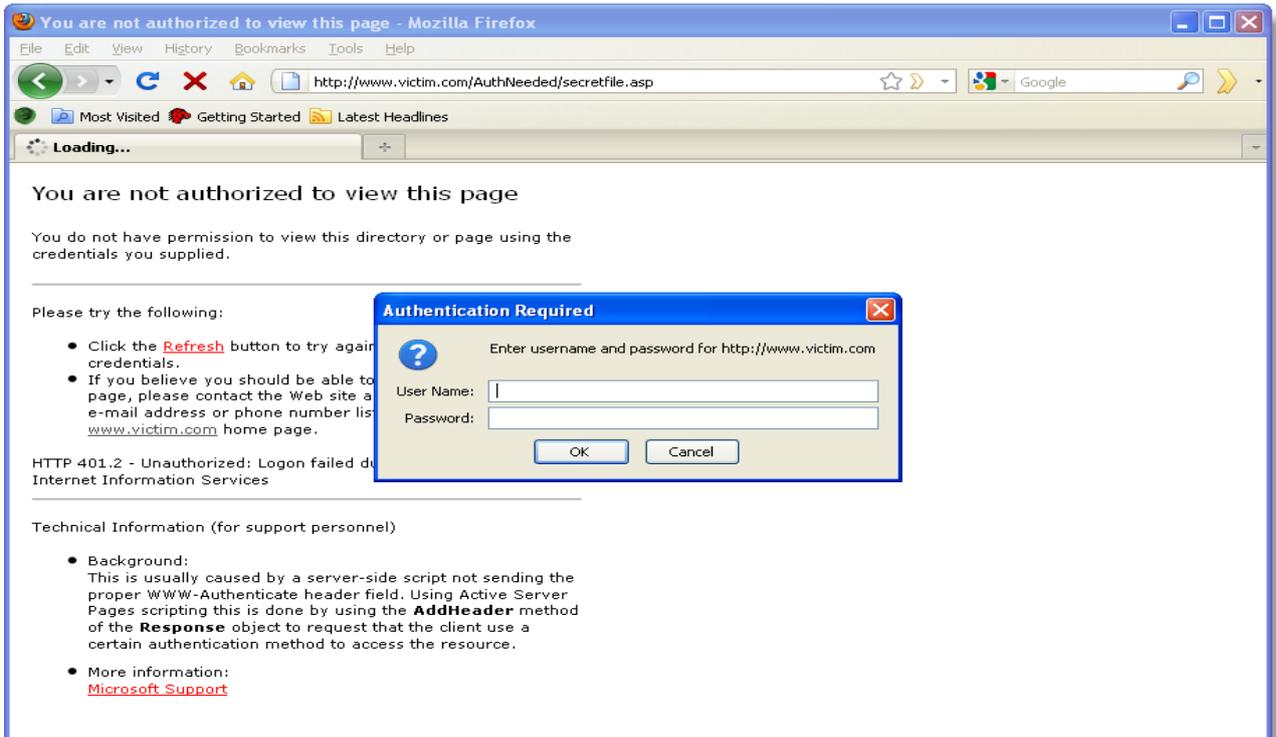


Figure 2- Protected Directory

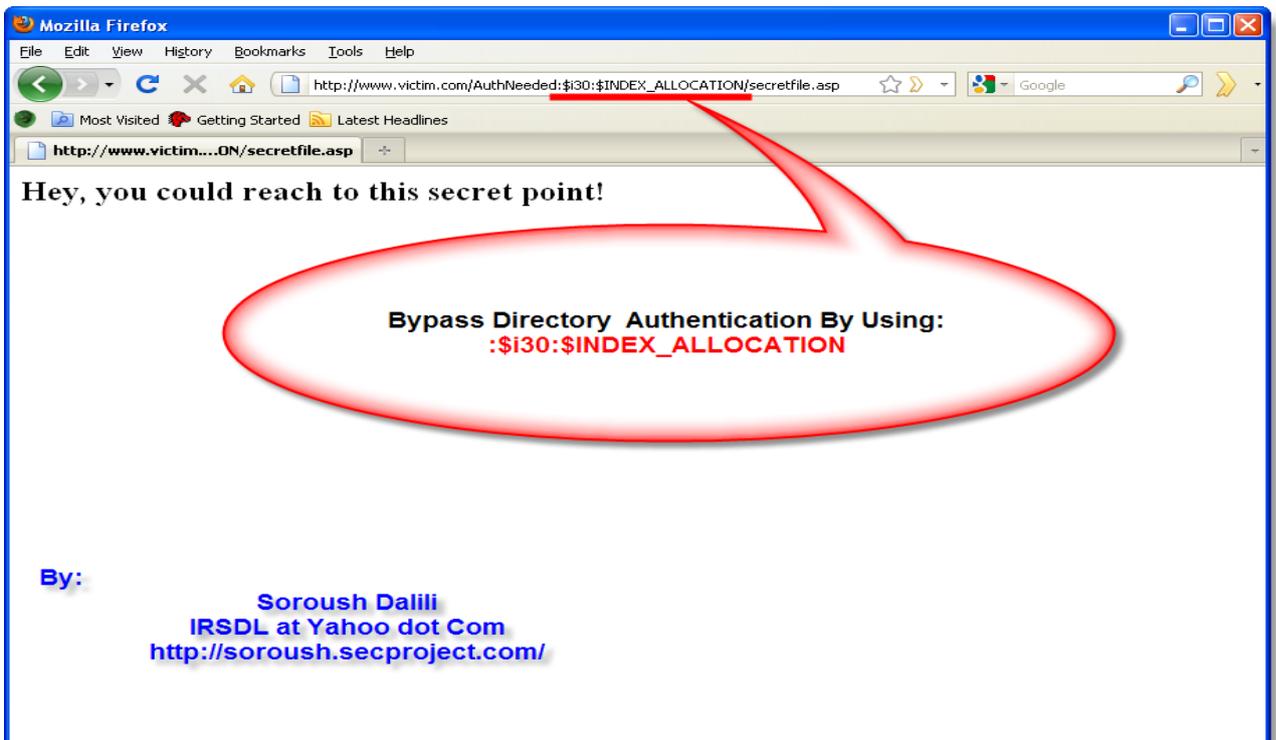


Figure 3- Bypassing the authentication by using ADS