

关于Windows AD服务器更新KB3205404KB3172729补丁后导致Mschapv2认证失败的解决方案的技术公告

寻尚岩 2017-05-15 发表

【产品型号】

H3C iMC EIA/UAM

【涉及版本】

H3C iMC EIA/UAM所有版本

【问题描述】

H3C iMC EIA/ UAM配合Windows AD服务器进行PEAP-Mschapv2认证时，如果AD服务器更新了KB3205404或者KB3172729补丁且重启AD服务器后，域账户再次认证时就会出现EIA/ UAM连接域控异常的情况，导致用户认证失败，该问题必现。

注意：KB3205404属于SSU（累计）补丁，由以下四个子补丁组成，通过微软补丁服务器自动更新时一般会安装如下四个补丁：

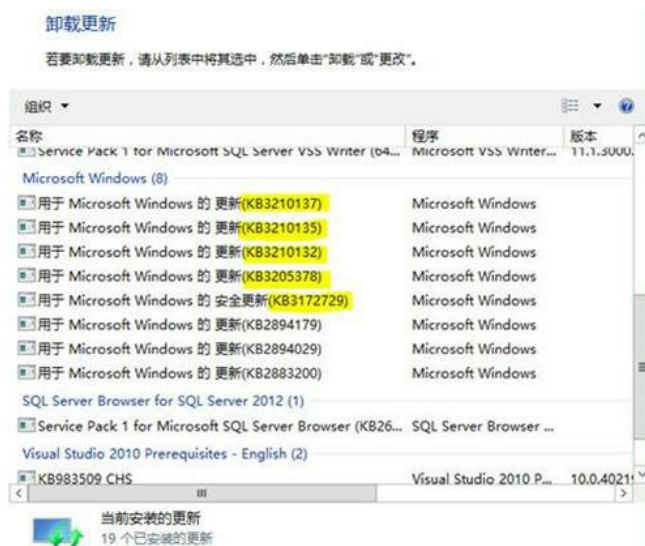
KB3210137

KB3210135

KB3205378

KB3210132

在操作系统“控制面板”-“已安装更新”界面看到上述四个子补丁后即表示KB3205404补丁已经安装。



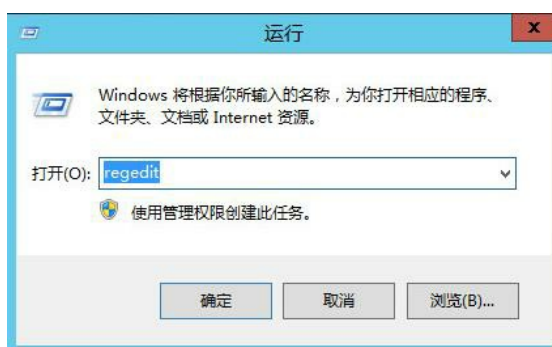
经微软确认，进行Mschapv2认证时，安装上述补丁的AD服务器对Radius Server发送的NTLM V1验证请求都做Reset操作，导致域控无法连接，用户认证失败。微软官方已发布类似问题的说明，关于该类问题的详细信息请参考如下链接：

<https://support.microsoft.com/en-us/help/2976994/shared-folder-in-windows-server-2012-r2-or-windows-8.1-cannot-be-accessed-by-using-smb-version-1-protocol>

对于已经更新上述补丁且存在AD Mschapv2认证的局点，可以通过修改Windows AD服务器注册表或者升级Windows AD服务器指定补丁的方式解决。

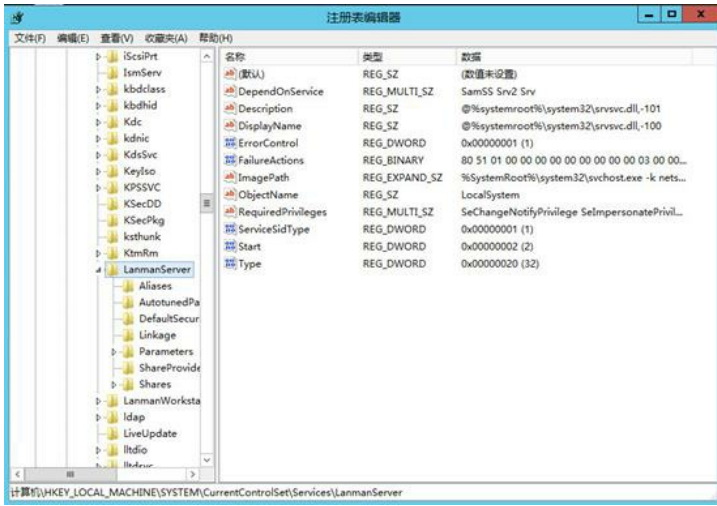
方法一：修改AD服务器注册表

以管理员身份登录Windows AD服务器，运行注册表编辑器：

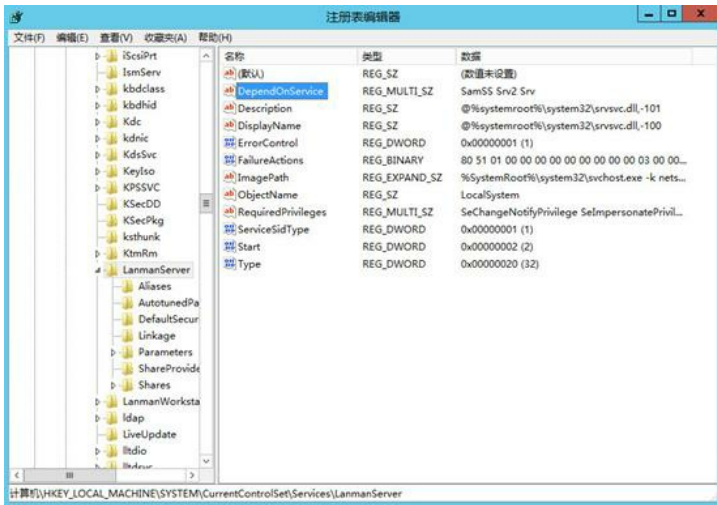


在注册表编辑器左导航栏定位到如下目录：

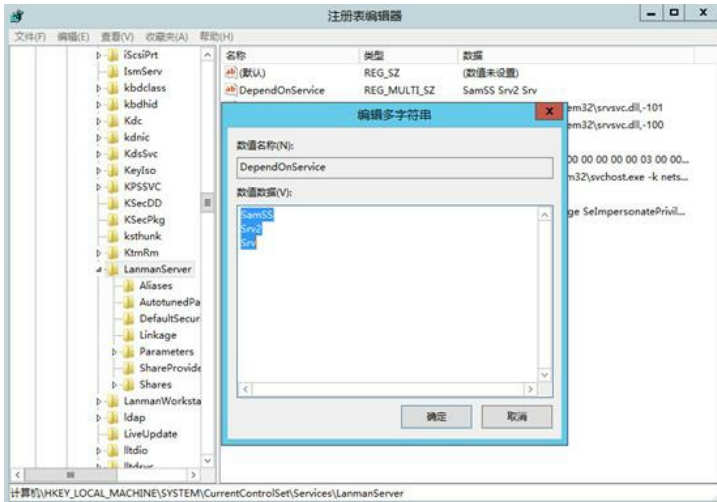
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\LanManServer



在右侧显示栏中右击DependOnService进行修改，如下图所示：



如下图所示，在弹出对话框的数值数据栏中输入：SamSS、Srv、2Srv，点击确定。



退出注册表编辑器，重启Windows AD服务器。重启完成后进行Mschap2认证，认证恢复正常。

方法二：升级Windows AD服务器指定的补丁

在微软官网下载如下补丁，注意请按照本发文的描述顺序安装补丁。

- 1、从 <https://support.microsoft.com/en-us/kb/2919442> 下载 KB2919442，选择独立安装包下载。安装该补丁后重启Windows AD服务器。



- 2、从 <https://support.microsoft.com/en-us/kb/2919355> 下载 KB2919355所有子补丁，下载方式同步步骤1。注意按照clearcompressionflag.exe、KB2919355、KB2932046、KB2959977、KB2937592、KB2938439、KB2934018的顺序分别安装，详见下图安装指导：

Method 2: Microsoft Download Center

You can also obtain the stand-alone update package through the Microsoft Download Center.

- Download the x86-based Windows 8.1 update package now.
- Download the x64-based Windows 8.1 update package now.
- Download the x64-based Windows Server 2012 R2 update package now.

Note The update for Windows RT 8.1 can be obtained only from Windows Update.

Note The updates must be installed in the following order: clearcompressionflag.exe, KB2919355, KB2932046, KB2959977, KB2937592, KB2938439, and KB2934018.

For more information about how to download Microsoft support files, see the following Microsoft Knowledge Base article:

119591 How to obtain Microsoft support files from online services

Microsoft scanned this file for viruses. Microsoft used the most current virus-detection software that was available on the date that the file was posted. The file is stored on security-enhanced servers that help prevent any unauthorized changes to the file.

3. 从<https://support.microsoft.com/en-us/kb/3000850>页面下载KB3000850包含的全部补丁，下载

Method 2: Microsoft Download Center

You can also obtain the stand-alone update package through the Microsoft Download Center.

- Download the x86-based Windows 8.1 update package now.
- Download the x64-based Windows 8.1 update package now.
- Download the x64-based Windows Server 2012 R2 update package now.

Notes

- The update for Windows RT 8.1 can be obtained only from Windows Update.
- Update KB3016437 is applicable only to computers that have the Windows Server 2012 R2 Active Directory Domain Services (AD DS) role enabled. If you try to install KB3016437 on a Windows client or a Windows server on which AD DS role is not turned on, the update does not install. There are no other adverse effects.

方式同上。

按顺序分别安装KB3000850、KB3003057、KB3016437、KB3014442

注意KB3016437补丁只有在Windows Server 2012R2服务器作为AD域控服务器时需要安装，其他情况均不用安装KB3016437补丁。

Install Instructions

- To start the download, click the **Download** button and then do one of the following, or select another language from **Change Language** and then click **Change**.
 - Click **Run** to start the installation immediately.
 - Click **Save** to copy the download to your computer for installation at a later time.
- Repeat this process until all of the following KBs have been installed: KB3000850, KB3003057, KB3016437, KB3014442

Update KB3016437 is only applicable to Windows Server 2012 R2 Active Directory Domain Services (AD DS) role enabled. If you attempt to install KB3016437 to a Windows Client or a Windows Server where AD DS role is not turned on, the update will fail to install, with no adverse effect other than reporting an update installation failure.

4. 按照如上方式从<https://support.microsoft.com/en-us/kb/3013769>页面下载KB3013769独立安装包，安装后重启AD服务器。

5. 重启AD服务器后查看所有已更新的补丁如下图所示，确认上述补丁全部安装后再次进行Mschapv2认证即可恢复正常。

Microsoft Windows (16)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB3013769)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB3014442)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB3016437)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的安全更新(KB3003057)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB3000850)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB2959977)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB2919355)	Microsoft Windows	Microsoft Corporation
用于 Microsoft Windows 的更新(KB2919442)	Microsoft Windows	Microsoft Corporation

注：各补丁的详细安装指导可参考微软官网：<https://support.microsoft.com/en-us/help/>。