



Product Support Notice

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PSN # PSN006046u

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Severity/risk level

High

Urgency

Immediately

Name of problem PSN006046u – CMS ODBC Driver support for Signature Algorithm attribute

Products affected

CMS 19.1, 19.2

Problem description

The IBM Informix database management system (DBMS) used by CMS supports IBM Informix ODBC compatible clients. CMS is currently delivered with the ODBC 4.10.FC2 client. This version of the ODBC client doesn't support the "Signature Algorithm" attribute. Some applications connecting over ODBC require the "Signature Algorithm" attribute in the TLS handshake in order to support TLS 1.2.

Resolution

The resolution for this issue is to deploy a later version of the ODBC client, namely 4.50.FC7.

The 4.50.FC7 ODBC client is available for download from PLDS at the following location:

- [CMS ODBC Driver 4.50.FC7](#)

Patch Installation Instructions.

Installing ODBC on Windows Procedure

This procedure will install the 4.50.FC7 ODBC Driver. The previously installed 4.10.FC2 ODBC Driver will not be removed. Once the installation has been verified, the 4.10.FC2 Driver can be uninstalled.

1. Copy the CSDK client zip file, `ibm.csdk.4.50.FC7.WIN.zip`, to your Windows system to your chosen Windows folder.
2. Open Windows Explorer.
3. Navigate to the folder where you copied the zip file.
4. Double-click the CSDK zip file. Unzip the files to the folder of your choice.
5. In Windows Explorer, navigate to the folder where you unzipped the files.
6. Right-click the `installclientsdk.exe` file and 'Run as administrator'.
7. The installation program displays the Introduction screen.
8. Click **Next**.
9. The installation program displays the Licensing Agreement screen.
10. Enter the appropriate response for the licensing question.
11. Click **Next**.
12. Choose a location for the Client-SDK installation. You can use the default location or choose a specific location.
e.g. `C:\Program Files\IBM Informix Client-SDK`
13. Click **Next**.
14. The installation program displays the Encryption Library screen.
15. Do NOT check the "Use OPENSSSL instead of GSKit?" option.
16. Click **Next**.
17. Keep the default install option of **Install Set: Typical**.
18. Click **Next**.
19. Click **Install**.
20. The installation program displays the Installation Complete screen.
21. Be sure this screen indicates completion with no errors. In the case of errors, review and address.
22. Click **Done**.
23. Once installation is complete continue with installing GSKit.

Installing GSKit Procedure

1. Navigate to the location chosen for the Client-SDK installation.
2. Navigate to the `gskit` folder
3. Right-click the `gsk8ssl64.exe` file and 'Run as administrator'.
4. The installation program displays the Welcome screen.
5. Click **Next**.
6. The installation program displays the Destination Folder screen.
7. Accept the default folder. Click **Next**.

The Installation program displays the Ready to Install the Program screen.

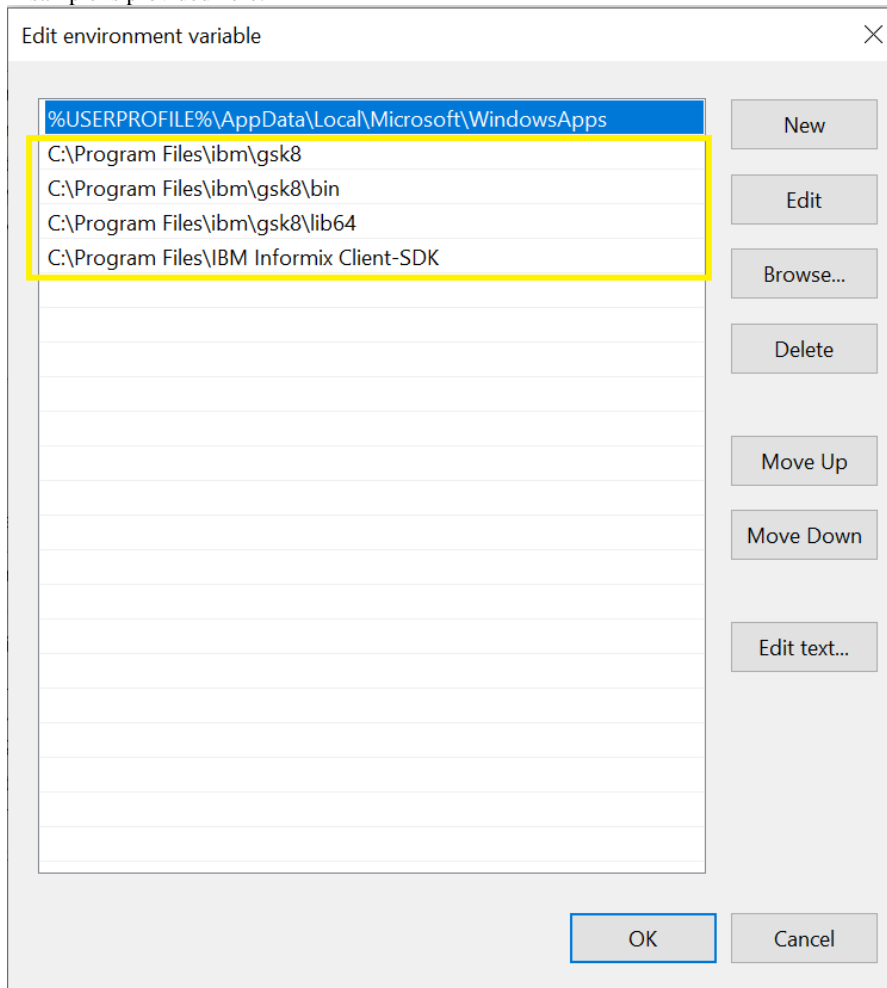
6. Click **Install**.
7. Once installation is complete continue with setting environment variable.

Set Environment Variable

The values outlined below may already be in the Path variable. If this is the case there is no

1. On Windows system navigate to “Edit the system environment variables”
2. Navigate to Environment Variables
3. Edit the Path variable
4. The values outlined below may already be in the Path variable. If this is the case there is no need to proceed with the following steps.
5. Add the following paths with appropriate values for your installation.
 - ibm\gsk8
 - ibm\gsk8\bin
 - ibm\gsk8\lib64
 - location chosen for the Client-SDK installation

A sample is provided here:



6. Click **OK** on this window and other windows until operation is complete.

Installing pcks certificates

1. Copy the client_cert (p12 type certificate) into a preferred folder on the Windows machine.
e.g. C:\Program Files\IBM Informix Client-SDK\etc
2. Navigate to the location chosen for the Client-SDK installation.
3. Navigate to the lib directory under that.
4. Copy the file libisi_o10.dll.2.2 to libisi.dll.2
5. On the Windows machine open the command prompt with administrator privileges.
6. Navigate to the location where the client_cert (p12 type certificate) was copied

7. Run the following commands

- gsk8capicmd_64 -keydb -create -db client.p12 -pw <password>-type p12 -stash
- gsk8capicmd_64 -cert -import -target client.p12 -target_pw <password> -file client_cert.p12 -pw <password>
- gsk8capicmd_64 -cert -list -db client.p12 -pw <password>
- onkstash client.p12 <password>

References

See Chapter 6: Encrypting the ODBC and JDBC connections of [Using ODBC and JDBC with Avaya CMS](#) guide for instructions on how to encrypt link and set up certificates.

See Configuring an ODBC data source section of [Using ODBC and JDBC with Avaya CMS](#) guide for instructions on how to test link.

Workaround or alternative remediation

Remarks

Patch Notes

The information in this section concerns the patch, if any, recommended in the Resolution above.

Backup before applying the patch

Always

Download

n/a.

Patch install instructions

Service-interrupting?

n/a No

Verification

n/a

Failure

n/a

Patch uninstall instructions

n/a

Security Notes

The information in this section concerns the security risk, if any, represented by the topic of this PSN.

Security risks

Avaya Security Vulnerability Classification

Mitigation

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