
Question

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I Need Help - Having AES Encryption Issues

I am using the Java Binding to connect a Java Middleware Application to Cache. Originally I was using a `CacheListOfDataTypes` (`JAVATYPE = "java.lang.List"`) object to bring data back. I was tasked with encrypting the data using AES and I was using the `AESCBCEncrypt` function on the List elements (up to 20k characters for each element) to bring it back before concatenating it on the middleware. This almost worked. Like 95% of the characters were being decrypted correctly but some text was coming back garbled. I couldn't understand how this was happening. I tried to adjust things like the string encoding and such, but to no effect. Does anyone know why this might have happened??

Because of these issues I decided to try a different approach. I now have a `%BinaryGlobalStream` that I am putting the data in and then I am using the `AESCBCEncryptStream` function once all the data is in there. Using this method I have achieved a data transfer of a few thousand characters without any data issues. However, when I try to perform the encryption on a larger Stream, it appears to get hung up in the InterSystems encryption functions and I have to kill the process. Is there any limit to the size of stream that can be encrypted? The one I am working on is not even a megabyte.

Thanks for any help that can be offered.

[#Encryption](#) [#Java](#) [#ObjectScript](#) [#Tools](#) [#Caché](#)

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