MobileAsset v7: Database transfer to mobile device fails at step 2 of 3; service log mentions FIPS

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MobileAsset v7: The mobile device can browse the service PC on port 10008 as expected, but when transferring database to device, the process gets to step 2 of 3, then fails.

The mobile device's MobileAsset.log file contains an error similar to:

> 2016-09-14 13:35:46.000 VERBOSE | IpSync Error(ErrorCode=0,ErrorCodeSpecified=False,ErrorDesc=Error downloading DevFile=\Program Files\MobileAsset\Database\MobileAssetDb_temp.sdf, SvcFile=C:\ProgramData\Wasp Barcode Technologies\MobileAssetWindowsService\7.0.0.0\App_Data\MobileAsset_86829e20

6aad483baa35a5c8a2dbfb86.sdf, SentByServiceMD5=C:\ProgramData\Wasp Barcode Technologies\MobileAssetWindowsService\7.0.0.0\App_Data\MobileAsset_86829e206aad483baa35a5c8a2dbfb86.sdf, RecvdOnDevMD5=,Source=,StackTrace=,LoggedInUser=1)

And on the PC running the Wasp MobileAsset Windows Service, the WaspMobileAssetServices.log file contains an error similar to the following (note the mention of FIPS):

2016-09-15 10:17:16.072 5 ---------- ERROR | Error in RunCommand(): System.Reflection.TargetInvocationException: Exception has been thrown by the target of an invocation. ---> System.InvalidOperationException: This implementation is not part of the Windows Platform FIPS validated cryptographic algorithms.
| at System.Security.Cryptography.MD5CryptoServiceProvider..ctor()
| --- End of inner exception stack trace ---
| at System.RuntimeMethodHandle.InvokeMethod(Object target, Object[] arguments, Signature sig, Boolean constructor)
| at System.Reflection.RuntimeConstructorInfo.Invoke(BindingFlags invokeAttr, Binder binder, Object[] parameters, CultureInfo culture)
| at System.Security.Cryptography.CryptoConfig.CreateFromName(String name, Object[] args)
| at System.Security.Cryptography.MD5.Create()
| at Wasp.WCFService.IPSync.WaspIPSyncService.GetMD5(String sFile)
| at Wasp.WCFService.IPSync.WaspIPSyncService.RunCommand(String sToken, IPSyncOperation op)

Cause

The service PC has FIPS enabled, which is incompatible with the MD5 used to validate the mobile database.

Resolution

FIPS will need to be disabled on the service PC in order for the mobile download to work.

HKLM\System\CurrentControlSet\Control\Lsa\FIPSAlgorithmPolicy\Enabled. Change the value of this registry entry to 0 to **disable** it.