
Question

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How to encrypt and sign files

Currently running Ensemble on Red Hat Enterprise Linux Server release 7.7

One of our clients is requesting files sent to their SFTP site be encrypted with their PGP public key and digitally signed with our PGP private key

We have created a custom class that includes the following command to encrypt the files

```
if (pAction = "Encrypt") {  
  // Find the Key ID from the Keyname  
  set tKeyId = ..GPGKeyLookup(pKeyName, ..#PUBLICKEYLUT)  
  set tCmdLine = "gpg --homedir "pGPGHomedir_ "--always-trust -r ""tKeyId"" -o "pOutFileName_" -e  
  "pInFileName"  
}  
// Execute the command to generate the output file  
write !,"Calling command: "tCmdLine  
do ##class(JMH.Utills.Utilities).RunCmdLine(pWorkarea, tCmdLine, .tOutput)  
write !,"tOutput: "tOutput
```

We want to update the gpg command to digitally sign the encrypted file

Would appreciate any suggestions on how to edit the gpg command to digitally sign a file

[#Business Operation](#) [#Code Snippet](#) [#Encryption](#) [#ObjectScript](#) [#Red Hat Enterprise Linux \(RHEL\)](#) [#Ensemble](#)

Product version: Ensemble 2018.1

Source URL: <https://community.intersystems.com/post/how-encrypt-and-sign-files>