

第七周周报

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本周对交易系统进行最终完善，对于之前明文保存的各种信息进行加密处理，读取时再解密以获取原始数据。

选用的加密算法是 **AES**，是一种最常见的对称加密算法（加密和解密用相同的密钥），这种算法具有速度快、安全性高和资源消耗低的特点。选择密钥为字符串”geth”，对明文进行加密，加密后内容如下所示。

A screenshot of a Windows Notepad application window titled "addresses.txt - 记事本". The window contains a single line of encrypted data, which is a long string of alphanumeric characters. The text is as follows:
U2FsdGVkX1/Js5hacsSBFUB06seH/k7y30k+luf8ophTViql+6hdfMkvOp4NXXpv
aPQAQs9JqQh7NRaWBGcSQ45x5JWFW4LidKnWuncKq24hfx/q3cO7ltPOcxtqsb8E
F3LC2Kv/hslW36wfSSXmJl+NyqBZ/DZR+gyiWEecTDM0lalu7Kscem6PtPrsKINA
/Z08xdtpOOI2Qm8F/5h4X3EqkntS24PwuTSQ+G+l/4VpnsBCBMdiE32J4xmFFIke
eU2rh2GUcVgHmG9wqmQV9DBWJQg+fKKcgFLLkwwJHe33obTqykpGvwHsd4goXP5
q6r9G0dIx8Fov7v1jH0mg+5RwtNZb1Yse2U7X8AdOZpH6ZUhDmKl76S3sD6Krihi
KB865M8Crq7U6gV9+2zoTLNwocemMDDmAdax+XMjP/nH7sQBepcXMFjTR2HYPL07
zfUyC8MLmTdkRNC+WMYTcc14oDyrog76q+gvGPntWSNfYxbVKgGhVkcY90gGfsF
XefDRO+iCZvKrDvJI4IQ411g04/EcOMw6JrobU0cW9o5d9alcDlz+JnAWdh1bnYg
JSww8pwyvROlyVS82KEHNQ03M5tct8Tfctm0kH8iatruVoqTgnTQbTIBJYS8HXuW
OMXxggcwxuplsPSqtV0IIxu00Tn2RpL14ZC85PfXgiK/svD4vPvic7xoAkxqPBFL
1MgljTyxf+3at9TNk/yLtGcYgJLtQ3ld/6l410jzu6fXVwXWbCG8i+XHONVUiia
IEP2cM6AARPVXMRlWxnrix+nrJZqGbxgVsQO8Fj5rBJKwb/bqziHCcvH1UeYZzg
p8PeYVpTrz8WSkM98PJlqknkK5ptdm53SbL17qqH/rG6o8OOyoz+xKaiAF3wDlgs
Oe/AitEl8CkCwgKQmBT3TOdJL3qxhLFE1GnD038sMcYWC08wLLKplb9AWYTLaXev
LSjkoEoL0K4jX1gG+I31M8zdQRLaCj3IOGEIbRtPCUQ+IMdo8DW7roou0dusrdw
5XRHVh0NNqn3O9IKtkFaw4DhXYGEOWbz6Z6coMUU09zFhacZTdmhl/tb7l/40LvL
waQcbgl1K0RjWm9rXnxhR348tyd0x0+Gq45s/uS4RXbB3PAz7tOw8mJolh/OczE
clbh9N22by5Gjw1EvUGYRkgIGtYwkvD1QSS7PwxBEJOVAag8iYhkBtkmviLjgq29
u3QuvEKz6+vIAtURF6Za5meKcvG7KEtLwb5tAijBjbrC9UAZnPiMuNyoTQhml5SY
lqEL43FjvUHZTAFGgEVx+3al8wOP4mh2pdpirX/Z17kYwxVDaaV69o+hdps9zeH
iR9MOv0r8WNSEwzWEQZSVhDVOwtG/z5hKwwt3Uj0UAoLKZtsoTOUwfmC+flbCCYf
kFY6E1pn0JvgVFI2/CHznxdZbubijbmFdTeVh5A/XO9WUuQ5Qe54bu1dc9nHR415i
z/Hb6Q2WdksdauWXbGqaKkXsibO5WlVRVA1By6ALgr8NJFgYUIXjdZPkitoWe1
niWdGmVhPFSPXMrP7aDiYVlUBvnH+kVMZ04Jwh8dT2SiuaO7UxhYXDgnjOCrcO7D
tBYcp4EYC9LNAgmilibsubKkUJ2l1c1p2+O4GG4J8mV6sW8JtoW8E0CuLul97MlgK

交易系统完成后，开始学习以太坊的源码。由于之前参加的软件杯进入复赛，本周花了大量时间在比赛上，所以只是大致了解了源码的整体结构，下周再深入学习。