

# Creating an external signer for EthSigner

EthSigner supports the addition of more external signers in same way as HashiCorp Vault.

To create an external signer:

1. Clone the [EthSigner repository](#)
2. .
3. Create a Gradle module for the new signer in theethsigner/signer
4. directory.
5. To ensure the module for the new signer is built, add the module to thesettings.gradle
6. file.
7. In the new module, create a concrete child class ofSignerSubCommand
8. .
9. The newSignerSubCommand
10. must include the parameters (tagged with PicoCLI annotations) to initialize your signer.
11. Update thecreateSigner()
12. function to be the entry point to create and return your signer. Your signer is exposed only as aTransactionSigner
13. .
14. note
15. The new signing class is responsible for fulfilling theTransactionSigner
16. interface. To fulfill theTransactionSigner
17. interface, the class must be able to create a signature for a block of bytes and provide the address associated with the key pair in the signer. ::: 6. InEthSignerApp.java
18. , register the newSignerSubCommand
19. with thecmdLineParser
20. as for existing signers.
21. Update the EthSigner::app module dependency list to include the module created in step 2[Edit this page](#) Last updatedonMar 30, 2023 byEric Lin [Previous Use metrics to monitor performance](#)[Next Concepts](#)