

Enclave

Trusted classes

```
class Trusted {  
    Secret s; Cipher cipher;  
    public byte[] encrypt  
        (byte[] in) {  
        cipher.init(s);  
        byte[] tainted =  
            cipher.doFinal(in);  
        return Enclave  
            .declassify(tainted);  
    }  
}
```

Information Flow
Control

Reduced
JVM

Civet
back-end



Entry / Untrusted interface



Triggered isolated execution



APIs for enclave features

Untrusted classes

```
class Untrusted {  
    Trusted t;  
    public Untrusted() {  
        t = new Trusted() ;  
    }  
    byte[] encrypt(byte[] o) {  
        return t.encrypt(o) ;  
    }  
}
```

Civet
front-end

JVM