




Enclave

Trusted classes

```
class Trusted {  
    Secret s;  
    public static String  
    encrypt(String in) {  
        String tainted =  
            Encryption.encrypt(s, in);  
        Enclave.declassify(tainted);  
        return untainted;  
    }  
}
```

Reduced
Java VM

Information Flow Control

-  Entry or called untrusted interface
-  Triggered isolated execution
-  APIs for enclave declassification

Untrusted classes

```
class Untrusted { Trusted t;  
    public Untrusted() {  
        t = new Trusted();  
    }  
    String process(String o) {  
        return t.encrypt(o);  
    }  
}
```

Civet
front-end

Java VM

