Security Design Principles

**Minimize Secrets**

# Question Solutions

### **What operating system is this?**

The operating system on the Kali VM is Linux.

### **What is held in the file /etc/passwd?**

/etc/passwd holds all the passwords of the users on the system, in plain text.

### **What is held in the file /etc/shadow?**

The file /etc/shadow holds the passwords in hashed format so you cannot see the plain text.

### **What does john the ripper do?**

John the Ripper hashes every single password in a list and tries to compare that password’s hash to the hashed password you are trying to break.