### **Step 1: Ensure Permissions on Sensitive Files**

SOLUTION

1. Permissions on /etc/shadow should allow only root read and write access.  
   * Command to inspect permissions:

/etc$ ls -l shadow

* + Command to set permissions (if needed):

/etc$ sudo chmod u=rw,g=,o= shadow

1. Permissions on /etc/gshadow should allow only root read and write access.  
   * Command to inspect permissions:

/etc$ ls -l gshadow

* + Command to set permissions (if needed):

/etc$ sudo chmod u=rw,g=,o= gshadow

1. Permissions on /etc/group should allow root read and write access, and allow everyone else read access only.  
   * Command to inspect permissions:

/etc$ ls -l group

* + Command to set permissions (if needed):

/etc$ sudo chmod u=rw,g=r,o=r group

1. Permissions on /etc/passwd should allow root read and write access, and allow everyone else read access only.  
   * Command to inspect permissions:

/etc$ ls -l passwd

* + Command to set permissions (if needed):

/etc$ sudo chmod u=rw,g=r,o=r passwd