

## Using trusted shell and binaries:

A collection of trusted binaries and shared libraries is provided for this exercise. The location of the trusted tools folder is: “/home/ipar/Desktop/trusted\_tools”.

The PATH environment variables (where the system would look for binaries and shared libraries) should be set appropriately so that only trusted binaries and shared libraries are used.

Move to the trusted\_tools directory:

```
$cd /home/ipar/Desktop/trusted_tools
```

Now, Perform the following steps:

Command	Purpose
<code>gnome-terminal -e bin/bash</code>	Start a known good shell from mounted Trusted_tools CD
Use the new shell (Terminal Window) for further steps	
<code>sudo su</code>	Gain the root access (use ipar user account password for authentication)
<code>cd bin</code>	Move to the mounted directory containing the known good binaries.
<code>export PATH=/home/ipar/Desktop/trusted_tools/bin</code>	Set the PATH variable to the location of the known good binaries and make the variable to be in the environment. The subsequently executed commands will use this path for binaries
<code>export LD_LIBRARY_PATH=/home/ipar/Desktop/trusted_tools/lib</code>	Set the LD_LIBRARY_PATH variable to the location of the known good libraries and make the variable to be in the environment. The subsequently executed commands will use this path to access shared libraries.
<code>echo \$PATH</code>	Verify the PATH variable
<code>echo \$LD_LIBRARY_PATH</code>	Verify the LD_LIBRARY_PATH variable

For entire incident response process, make sure that you use the trusted shell (terminal window) to run the tools/commands only from “/home/ipar/Desktop/trusted\_tools/bin” directory.