

An Application to VMs

In theory we can have an executable on the system which is an entire desktop OS, with *its* system files stored in its directory. In this way, we can have a highly-secure VM.

Modern VM software claim high security, but there is nothing stopping advanced malware from hijacking the VM and hypervisor, and then, because the hypervisor is just userspace program, the underlying OS. This can be extrapolated to any number of nested VMs.

Because of the principle assumption that MoonCluster securely sandboxes its processes, we can assume the same for the VM. The VM cannot escape the sandbox imposed by the system, regardless of the amount of malware accumulated by it, so after the VM is shut down, the rest of the system remains unchanged and stable.