Patent Week: Enhanced virtualization system

**Abstract:** A computing device creates lightweight state files. The state files may include information relating to user processes, user-interface elements, and time points. When loaded, the state files restore the saved state. State files may be transferred to different computing devices thus making a computer state portable. A series of state files viewed as a stream showing changes in the system state over time.

**Problem:**

* RDP cannot preserve state through reboots
* RDP cannot allow multiple users simultaneously share processing power and memory of single computer
* Maintaining multiple guest OS for hypervisor takes significant processor and memory resources and hypervisor takes long time to load at system startup (another layer b/w/ hardware and UI).

**DETAILED DESCRIPTION**:  
  
The disclosure describes a computing experience that compliance aspects of both hypervisors and Remote Desktops into a solution that provides light weight Remote Desktop style access, with the ability to load a saved state. By saving the "state" of a computing experience, everything that a user is interacting with (e.g., files, applications, windows, web pages, etc.) is maintained in a state that allows the user to return to a previously saved state similar to the way notebook computer wakes from a hibernation state. The state file can be loaded by an operating system (OS) and the OS is able to place a computing device into the state stored in the state file. The state file can restore a computing device to the previously saved state or the state file can be used to transfer the state to a different computing device.

-user interface as well as process state.