Virtualization

☐ Virtual workspaces:

- ☐ An abstraction of an execution environment that can be made dynamically available to authorized clients by using well-defined protocols,

- ☐ Resource quota (e.g. CPU, memory share),

- ☐ Software configuration (e.g. O/S, provided services).

☐ Implement on Virtual Machines (VMs):

- ☐ Abstraction of a physical host machine,

- ☐ Hypervisor intercepts and emulates instructions from VMs, and allows management of VMs,

- ☐ VMWare, Xen, etc.

☐ Provide infrastructure API:

- ☐ Plug-ins to hardware/support structures

App	App	App
OS	OS	OS
Hypervisor		
Hardware		

Virtualized Stack