

## Zirtu: Server-less VDI

Zirtu is a new type of user-centric virtualization technology, specifically designed for client-side computing. As a Server-less VDI, it provides all the benefits of centralized computing - with none of the drawbacks.



### Soaring per-server density

Zirtu removes the need for more and more costly servers in the datacenter, by using storage instead - running the centrally-stored user containers directly on end-point machines. This means that the “entry ticket”, ongoing operation and Windows VDA licensing costs are slashed, making virtual desktops economically reasonable even for smaller organizations, where traditional VDI is too expensive.



### Offline use - Virtual Desktop To Go

Zirtu makes virtual desktops available not just for on-site, but also for mobile workers - even if the network becomes congested or completely disconnected. Once the connection is back, the user’s centrally stored container is brought up to date with the offline changes.



### Seamless evolution

Using the unique Type 0 Hypervisor, Zirtu provides exactly the same user experience on the end-point - not a VM and not a remote desktop. By preserving the same workflow and environment, Zirtu removes the need to re-train the users and the IT staff, and eliminates the “transition shock”.



## New type of Client-side Virtualization



Storage-centric

Native execution on end-points

Offline use

**All the benefits of centralization  
without its drawbacks**

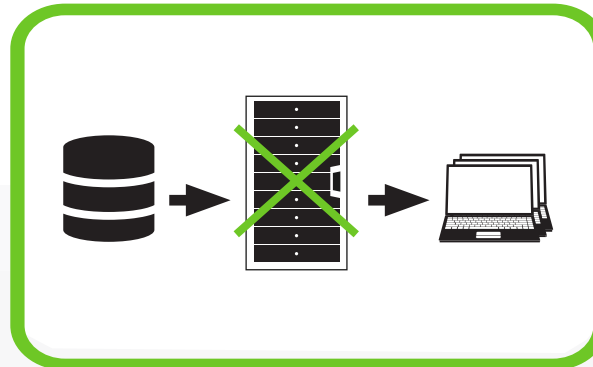
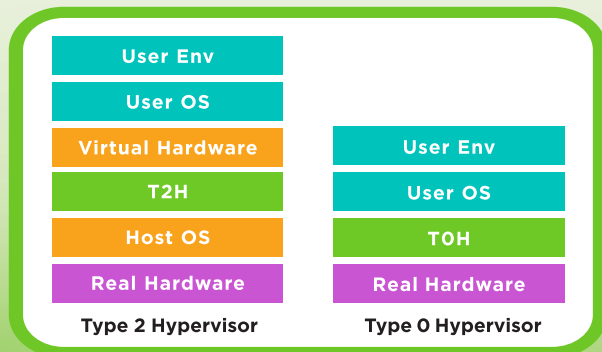
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## Type 0 Hypervisor - core technology

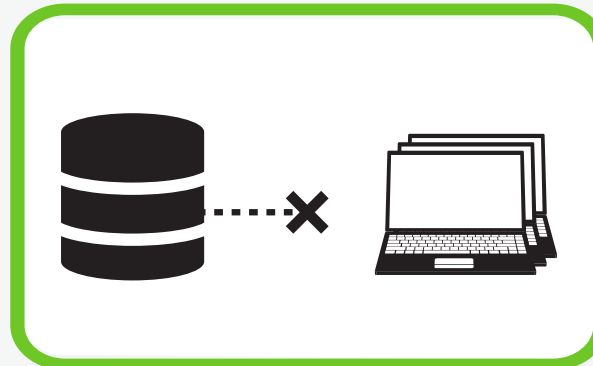
Type 0 Hypervisor is a new, unique virtualization technology. It executes the user's virtual container directly and natively on the real hardware layer, without any redundant intermediary.

Traditional Type 2 & 1 hypervisors have been developed for server side virtualization, and had done the job there. However, attempts to "stretch" those technologies for client side virtualization require a virtual hardware layer, which unavoidably harms performance and connectivity to peripheral devices, and a redundant underlying OS on the client machine - either an actual Windows or a thin Linux-based one - which has to be constantly managed, updated and patched by the IT staff.

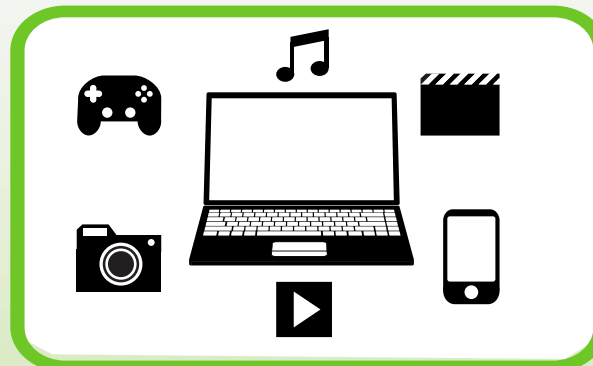
Type 0 Hypervisor removes the need for both virtual hardware and the redundant underlying OS - and ensures 100% genuine performance and transparent connectivity with any peripheral devices.



**Storage only instead of more and more servers**



**Offline use - bringing Virtual Desktops to mobile workers**



**Seamless evolution from traditional computing - rich experience, peripheral devices, and no re-training**

## My Container is My Computer

Zirtu works with Virtual DNA Containers. A DNA container includes the personalization and application layers of a captured physical desktop - everything that makes the user feel at home.

Once Zirtu is running on a PC, a centrally stored container with the user's familiar personalized environment becomes runnable natively and directly on any end-point. Only one instance of an OS has to be managed for all users running it. Type 0 Hypervisor then implants the user's DNA into that OS and executes the entire operating environment.

The end-point PC becomes a replaceable cartridge. BYOC and disaster recovery become inherent, since any computer assumes the personality of the DNA container it's attached to. The end-user's personalized desktop becomes accessible and usable everywhere.

