

The Outstanding Real Zero Client Computing Approach

A New Way to Desktop Virtualization

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Moving desktops into the data center

■ Virtual Desktop Infrastructure

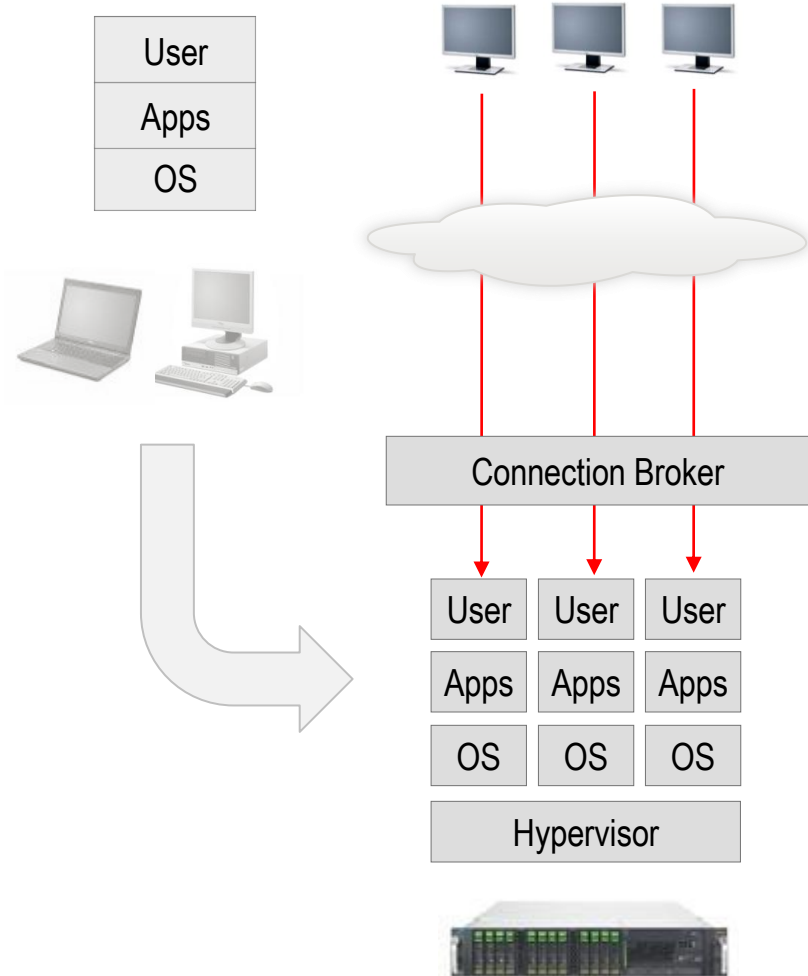
- Run individual virtual desktops in DC

■ Combination of advantages

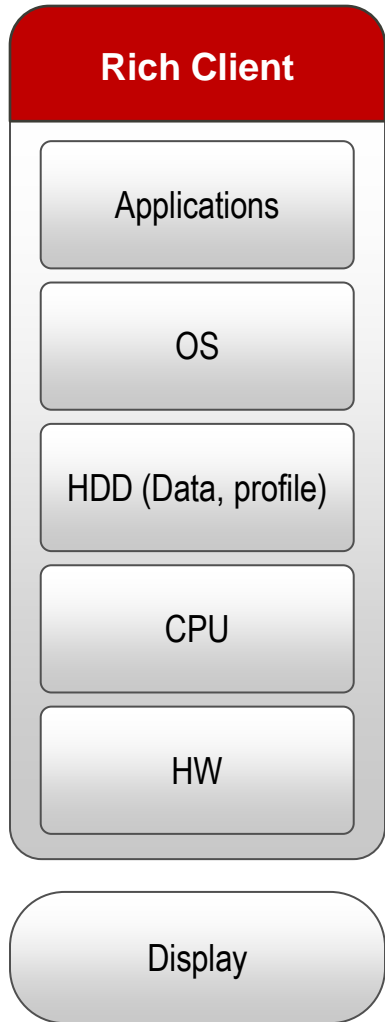
- SBC without restrictions
- Traditional PC
- Server virtualization

■ Benefits

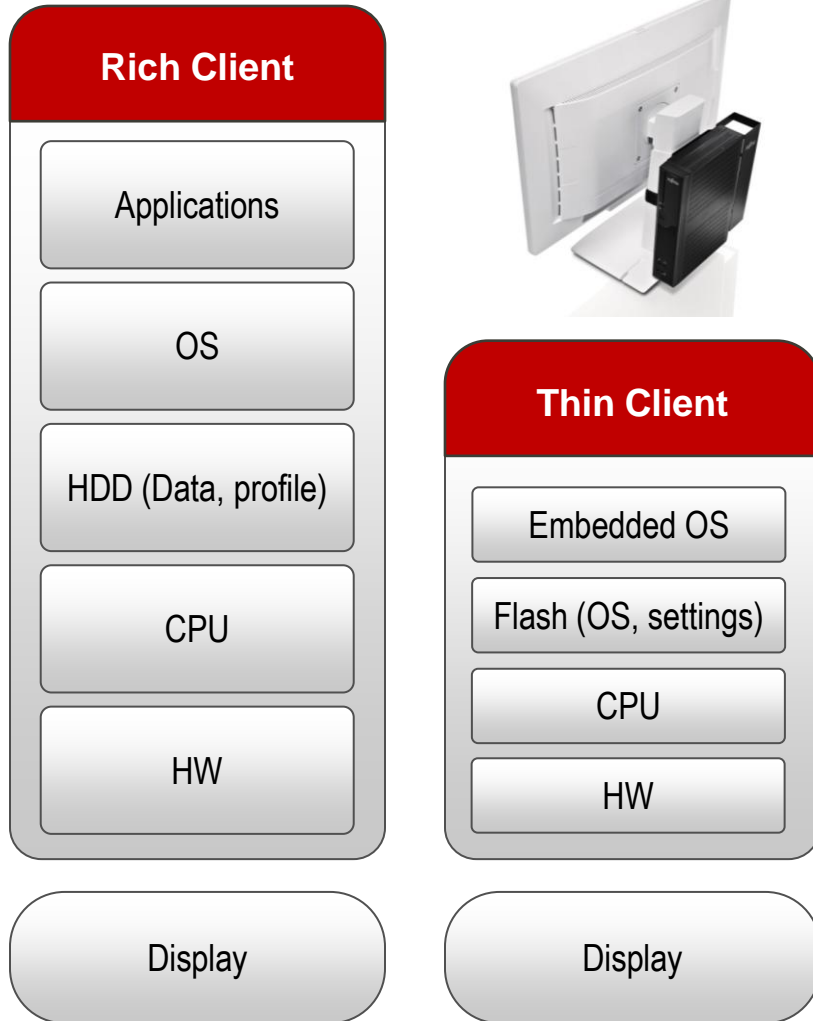
- Simplified management
- High availability, productivity
- Data security and compliance
- High flexibility and speed
- Access anywhere, device of choice
- Reduced power consumption
- Longer life spans
- Reduced TCO



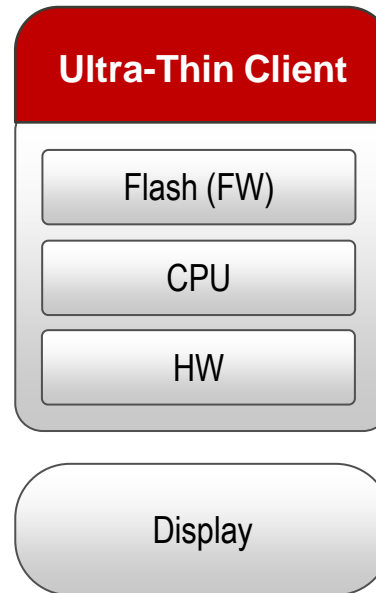
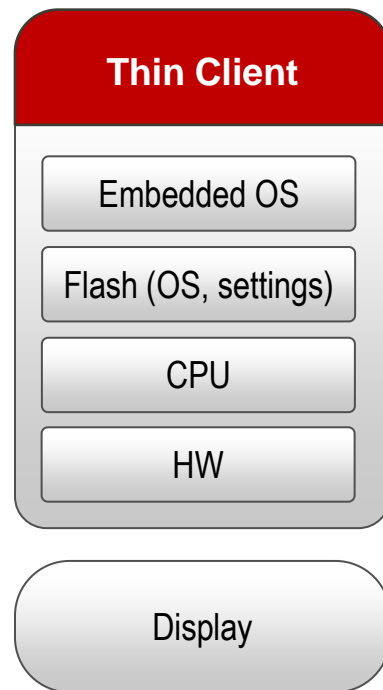
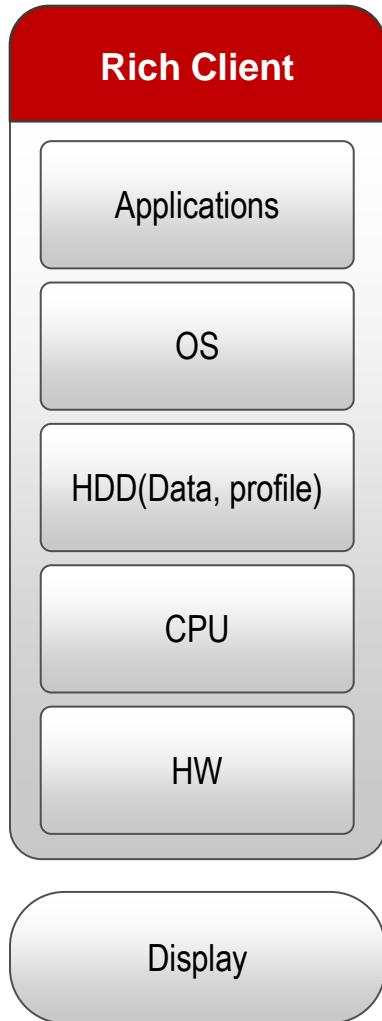
Evolution of client devices



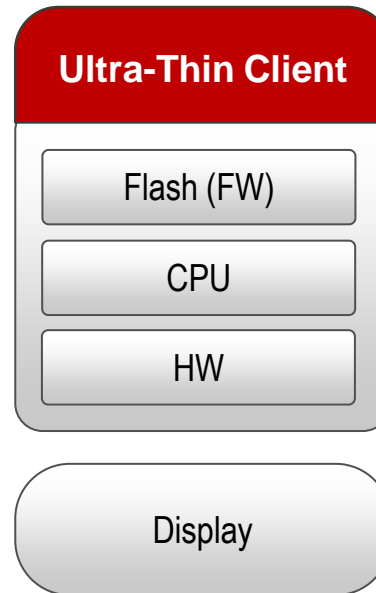
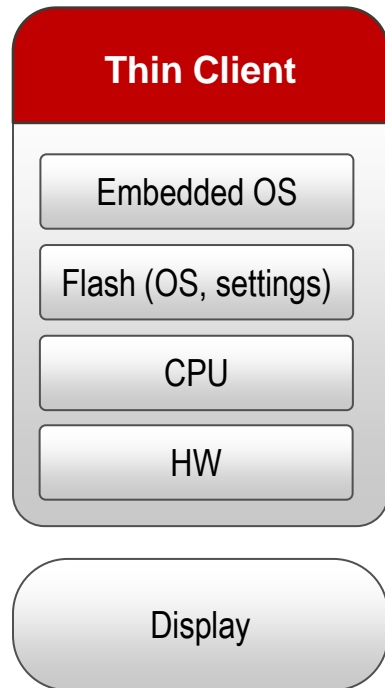
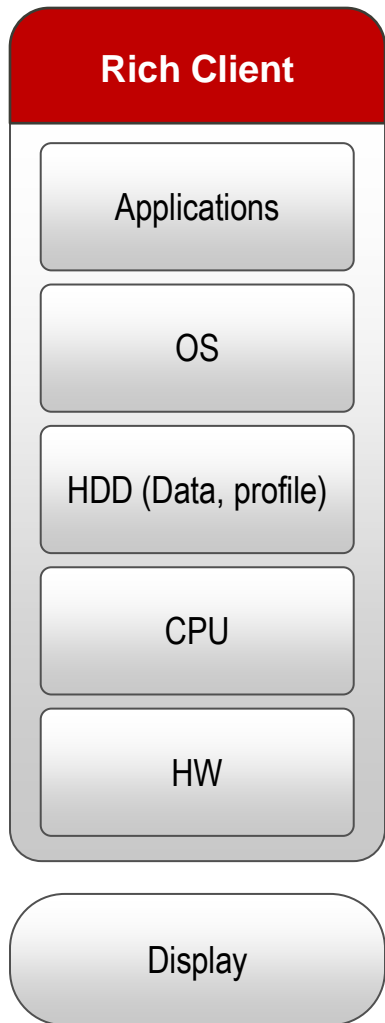
Evolution of client devices



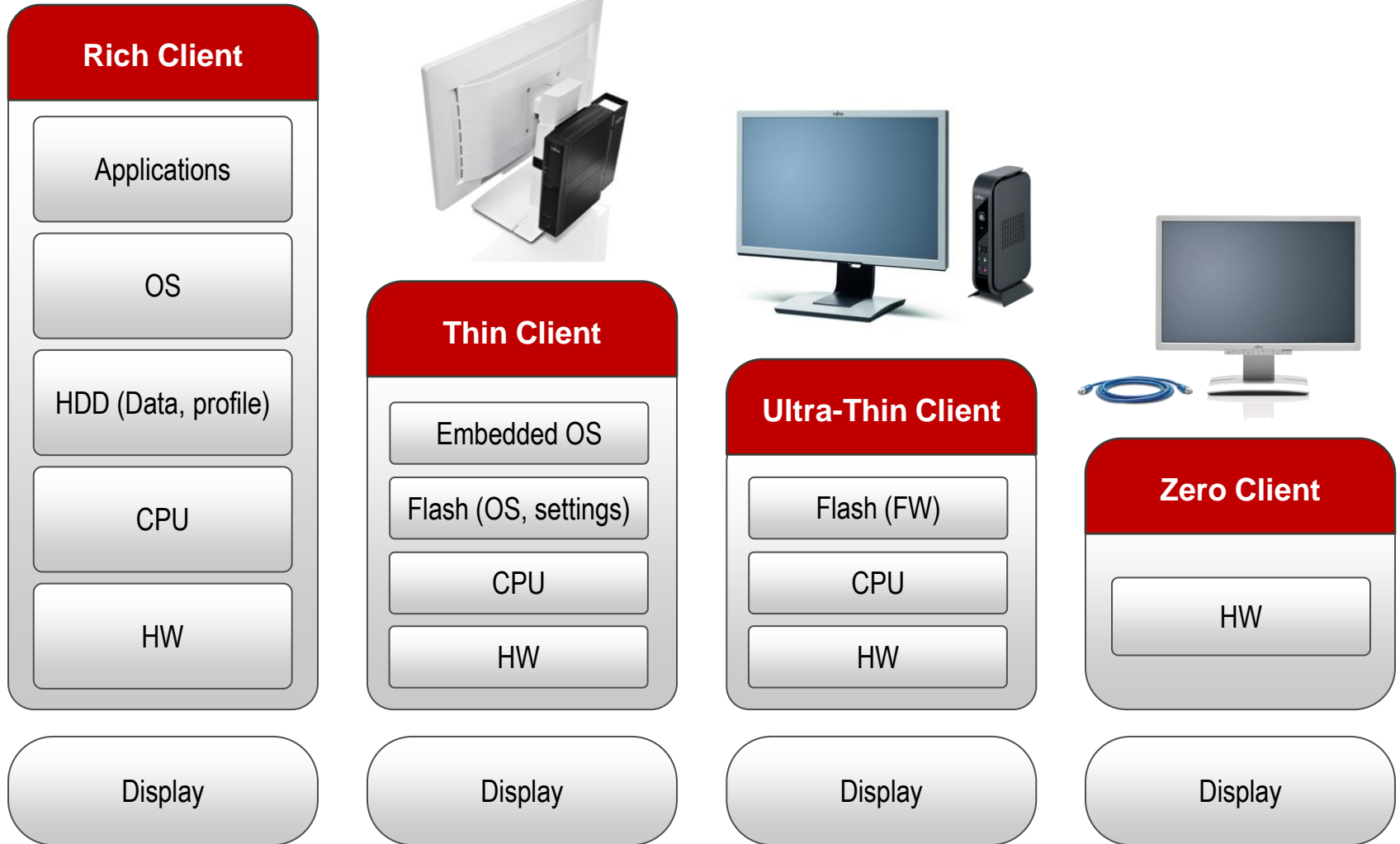
Evolution of client devices



Evolution of client devices



Evolution of client devices



Zero Client

- Access device for VDI
 - With integrated display
 - Stand-alone
- No processor
- No firmware
- No memory
- No local OS
- No licenses required
- No integrated storage (local data)
- No terminal-side processing
- No device management
- Power-over-Ethernet (option)



Zero Client – Customer benefits

- **Reduced device costs**
 - No CPU, RAM, HDD, ODD, OS
 - Long lifecycle
- **Reduced rollout costs**
 - No local installation (“Plug & play”)
- **No management efforts**
 - No onsite service needed
- **Reduced energy costs**
- **Improved security**
 - No local data, no virus attack, no theft
- **User satisfaction**
 - Single cable solution (PoE)
 - Space-saving, quiet
 - Low failure rate (No moving parts)
 - Quick provisioning and replacement
 - No disturbance by updates
 - Easy roaming

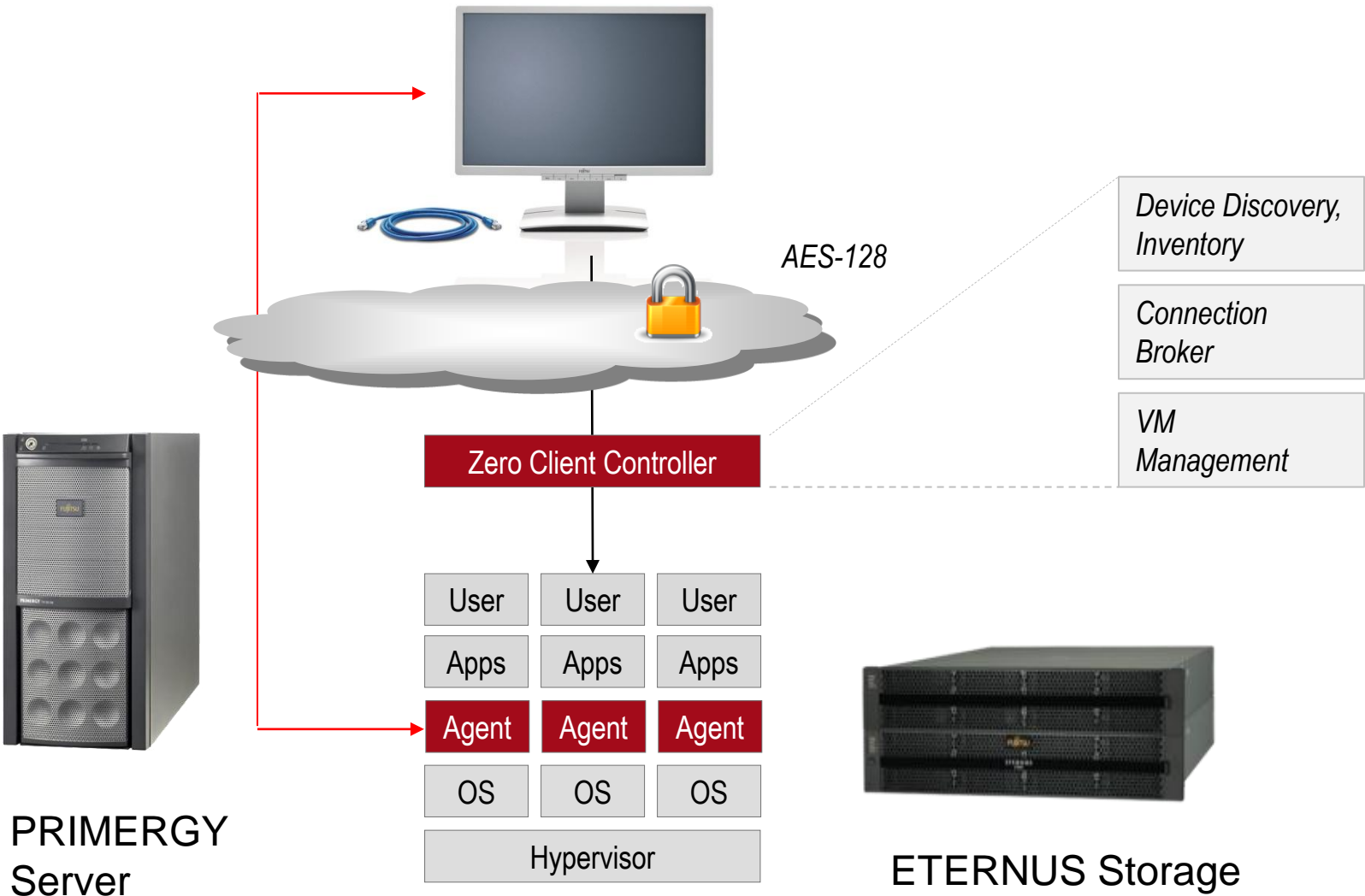


Zero Clients: Products



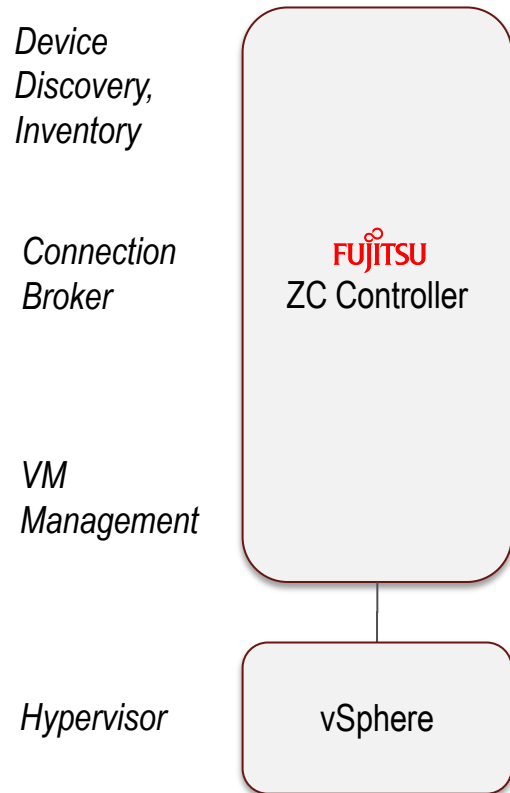
	Zero Client SZ500	Zero Client DZ19-2	Zero Client DZ22-2
Display size	-	19"	22"
Aspect ratio	-	5:4	16:10
USB 2.0 interfaces	4	4	4
Phone jack (in / out / combined)	1x 3.5 mm	2x 3.5 mm	2x 3.5 mm
Isochronous USB (VoIP, webcam support)	Yes	Yes	Yes
Dual display support	No	Yes	Yes
LED backlight	-	Yes	Yes
DVI out	Yes	Yes	Yes
Power-over-Ethernet			Yes

Zero Client Infrastructure



Zero Client – Seamless integration

vmware®



Zero Client – Seamless integration

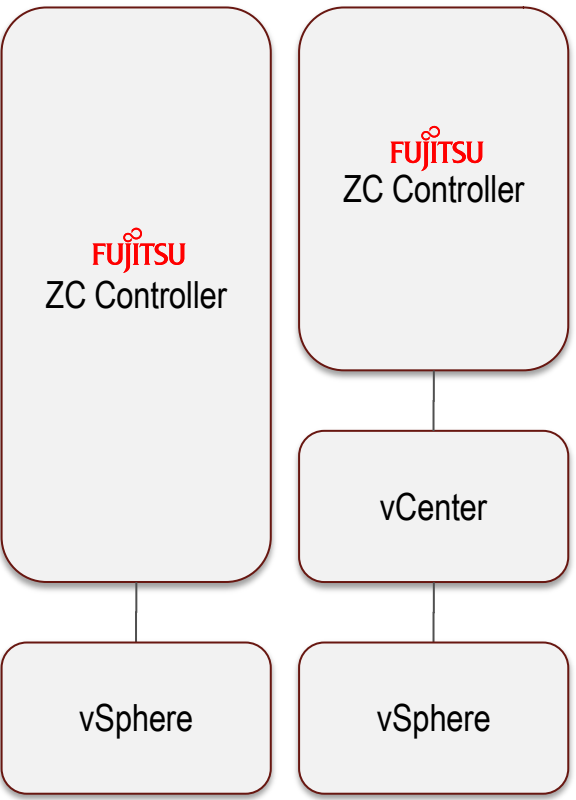
vmware®

*Device
Discovery,
Inventory*

*Connection
Broker*

*VM
Management*

Hypervisor



Zero Client – Seamless integration

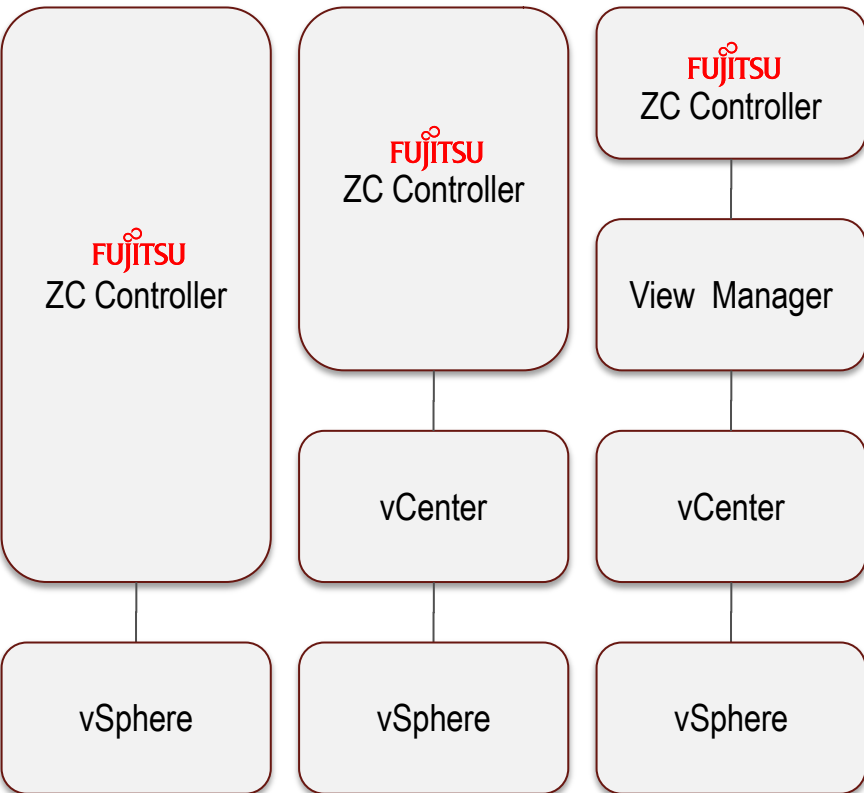
vmware®

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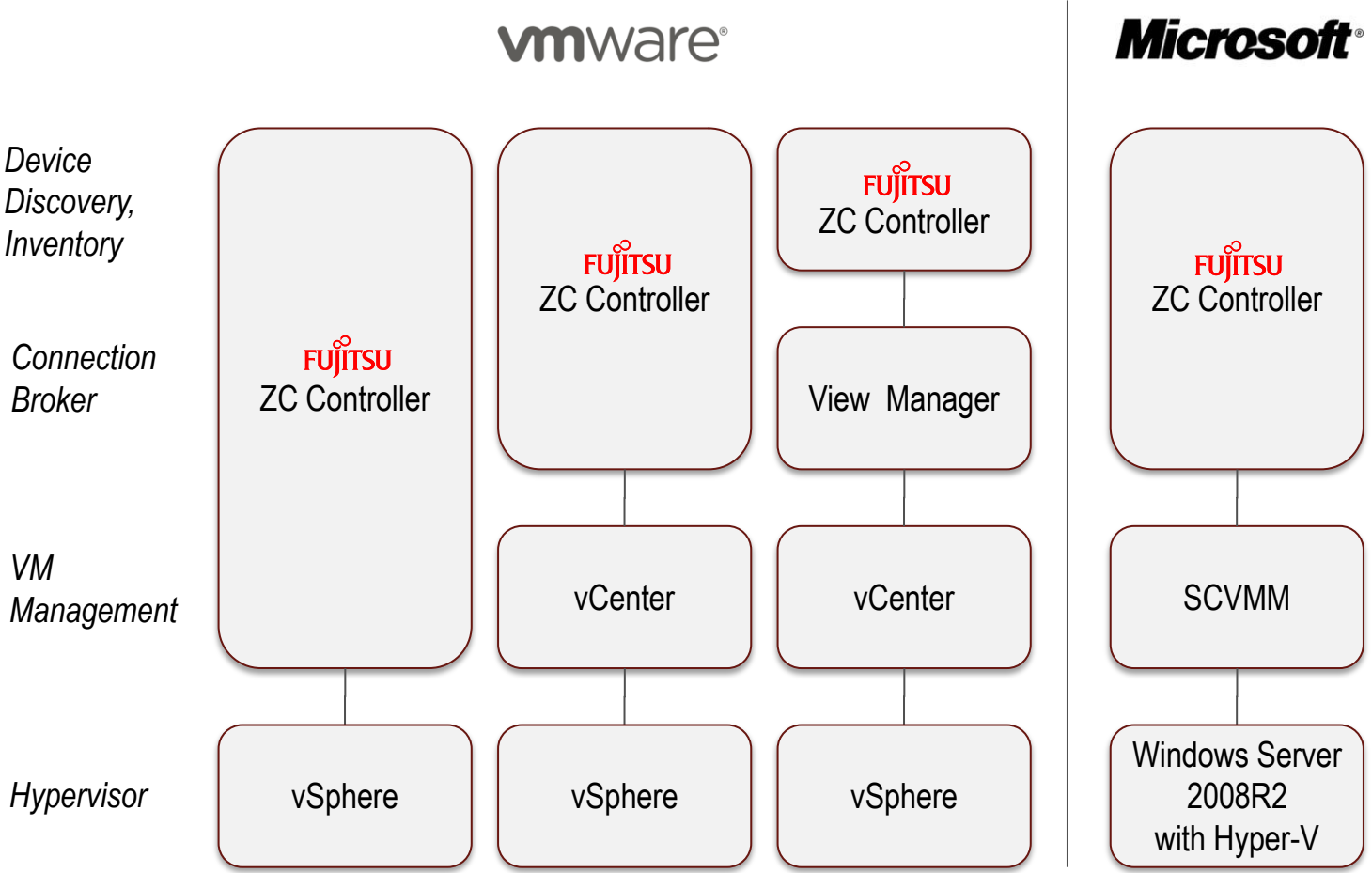
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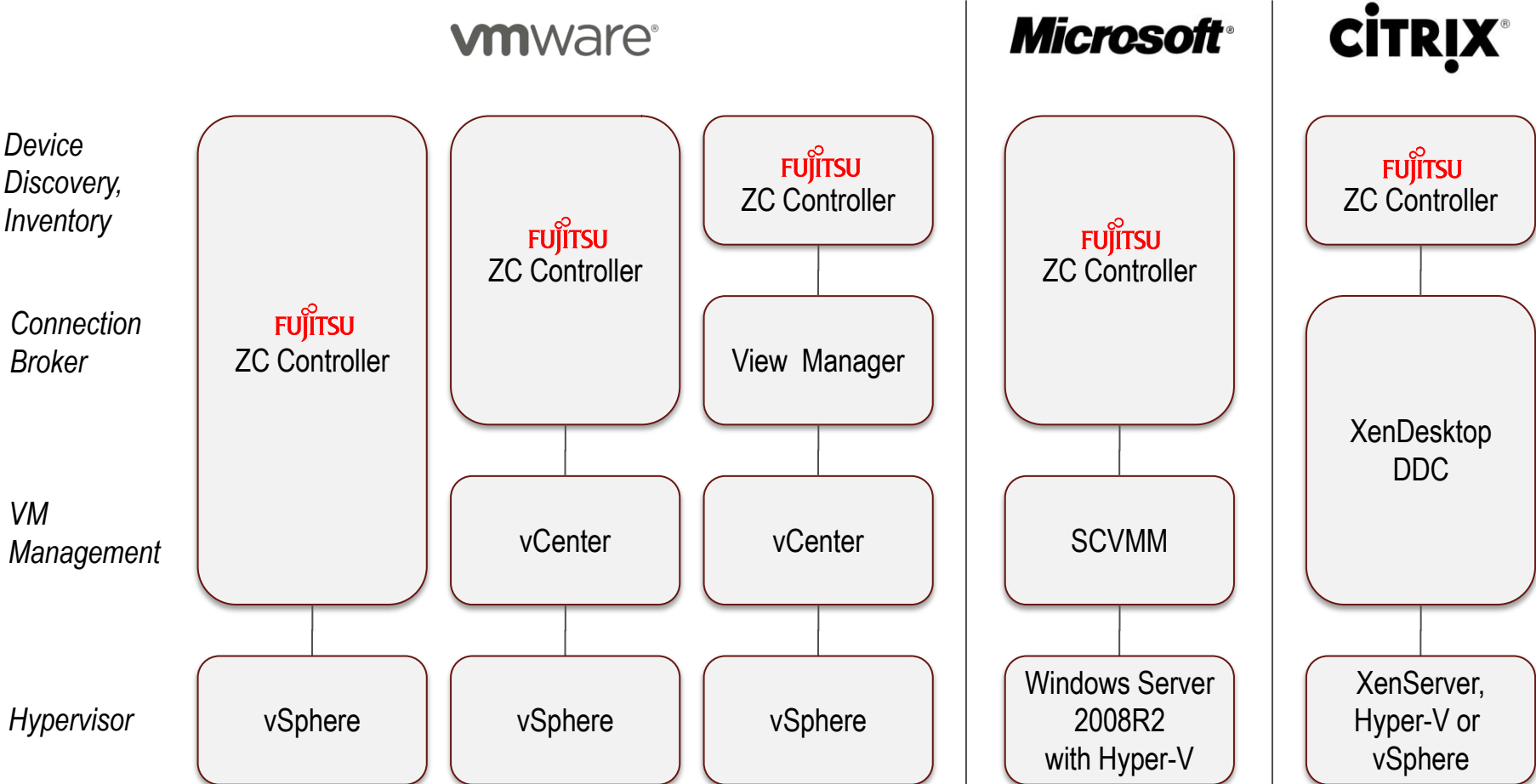
Hypervisor



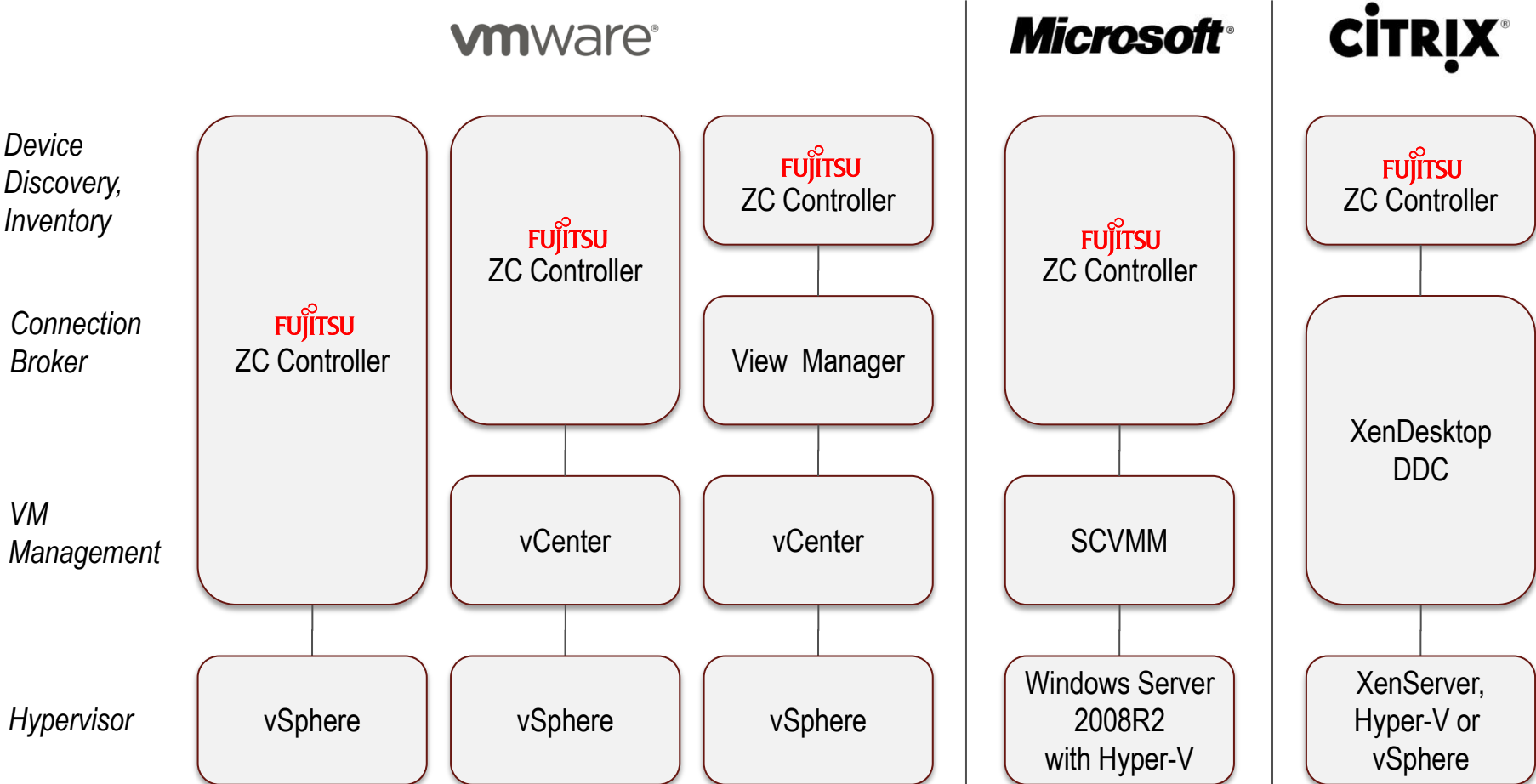
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Support of all major market standards by one device

Zero Client Infrastructure Bundles

■ What it is

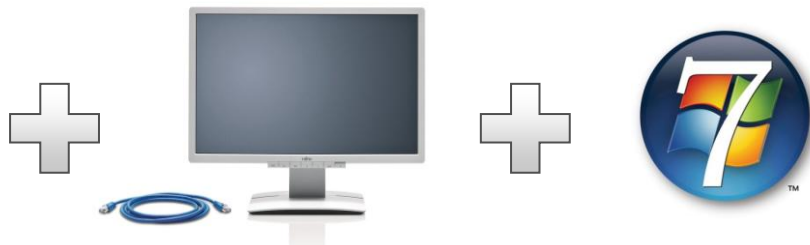
- Pre-configured infrastructure solution
- Server pre-installed
- ZC Controller
- Network services (ADS, DHCP)
- VM template (Windows 7 / XP)
- Ready-to-run (VDI in a box)

■ Various sizes and characteristics

- Scalability, availability, automation

■ Benefits

- Optimized HW configuration
- Easy setup and admin
- Optimized cost per workplace



■ Prerequisites for usage

- VDI environment
- Central rendering / decoding
- USB-attached local peripherals
- Central authentication
- Max. 2 displays
- DHCP controller (in LAN) with configuration option recommended



Zero Client: The end of Thin Clients?

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■ FUTRO Thin Clients

- Attractive supplement to Zero Client
- Flexible usage
- Virtualization client, emulations, browser can run locally
- Integrated smartcard reader
- Backpack solution
- Rollout and management extremely simple



■ Concept

- Portable VDI access device
- Requires host PC (running Windows)
- Full isolation from host PC
- Executable runs in encrypted sandbox
- Access to VM via RDP (LAN and WAN)
- No footprint left on host device

■ Secure connection from outside

- Secure standard protocols
- RDP via https / SSL gateway
- VPN client (static / portable)

■ Benefits

- Secure access combined with easy use

■ Typical use cases

- Any device in any corporate location
- Any device with access capability to corporate network
- Cost-effective migration to VDI




Summary

- **Benefits of VDI**
 - Improve service quality
 - Increase security and flexibility
 - Reduce costs
- **Zero Client**
 - New opportunity to reduce complexity
- **Portable Zero Client**
 - For mobile usage
 - Cost-effective option for VDI migration
- **FUTRO Thin Clients**
 - Attractive supplement to Zero Client
 - Flexible devices for diverse concepts
- **One size does not fit all**
 - Requirements and economy matter



FUJITSU - The Outstanding Real Zero Client Computing Approach



FUJITSU

shaping tomorrow with you

■ *For various reasons, more and more businesses are considering the introduction of virtual desktop infrastructures. This enables you to use any access device at the endpoint.*

Fujitsu's outstanding Zero Client is not just a space and energy saving solution; it even relieves you absolutely from any device management activities.

Thanks to the portable Zero Client with easy plug and play your virtual desktop is available at any location.