

# Case study VDI TR Odonto

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# oVirt Virtual Desktop Infrastructure (VDI)

Centralized management,  
security and policy enforcement

Virtual desktops with user  
experience of a physical PC

Multiple monitors

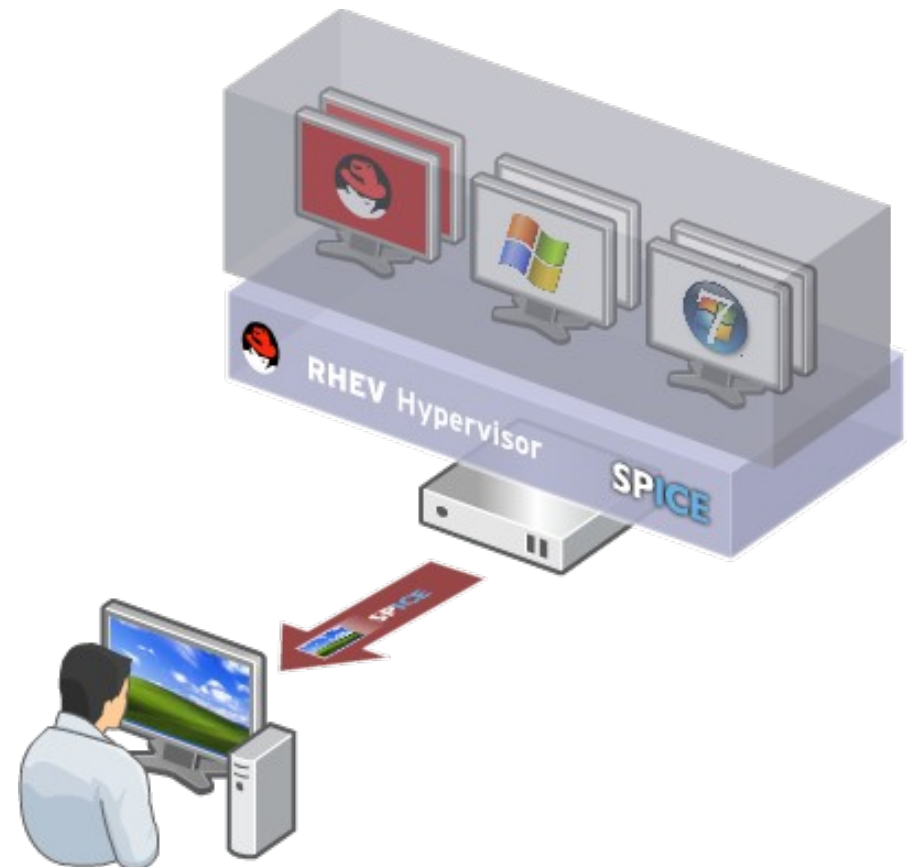
HD-quality video

Bi-directional audio/video for  
VoIP or video-conferencing

Smartcard support

USB support

Industry-leading density of virtual  
desktops/server



# Architecture

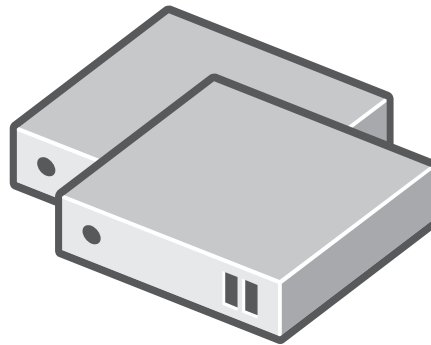


# oVirt Architecture From 30,000 Feet

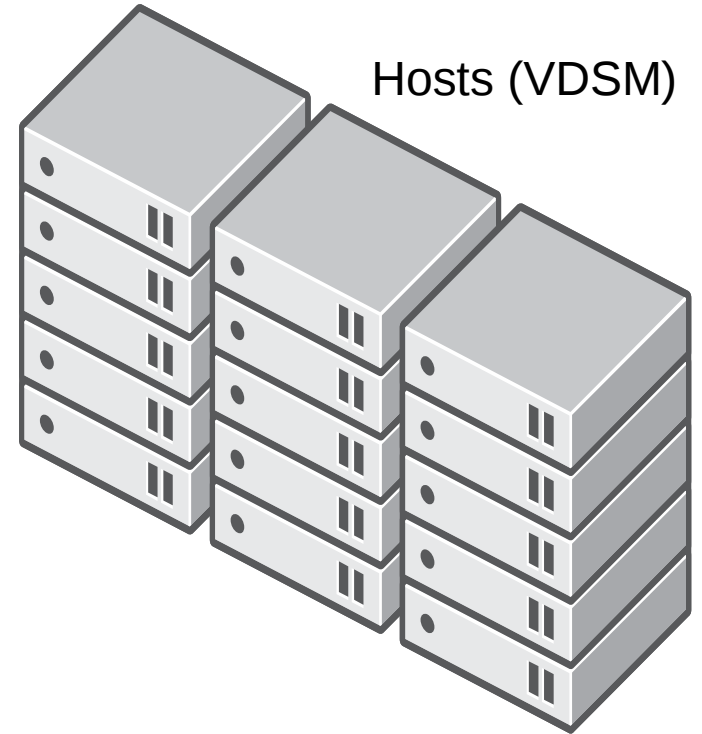
Client (web portals)



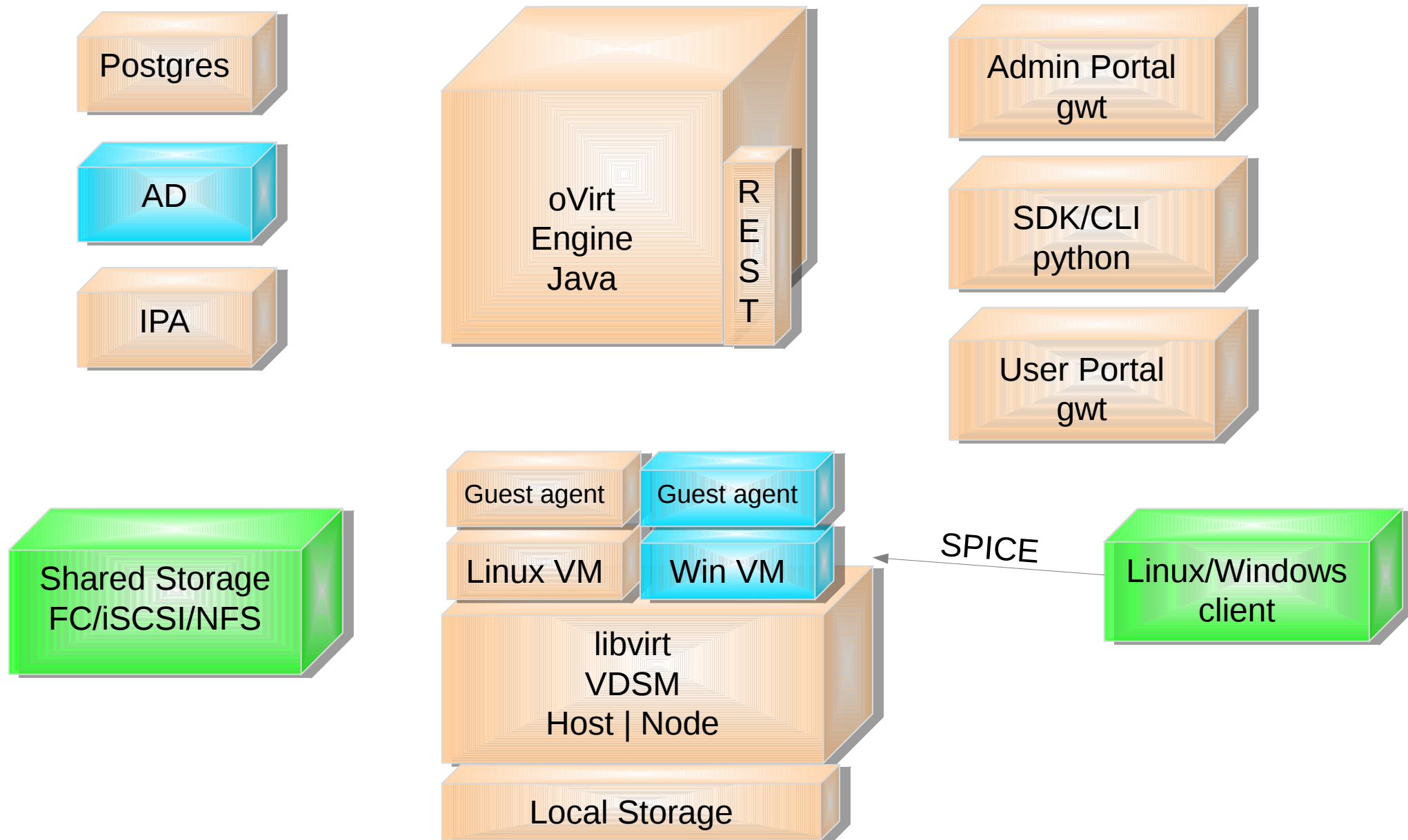
Engine



Hosts (VDSM)



# oVirt High-Level Architecture



- TR Odonto - Dental service company
  - 10 Employees
  - 10 Dental offices
  - 5 Financial/Administrative office staff
  - 5 dentists attendants

- Initial proposal offered
  - Windows Server Standard Ed. 2012 for Terminal Service
  - Windows Server Standard Ed. 2012 for File Server
  - 15 Thin Client
  - 2 Server DELL R530
- 1 Server for Windows Server 2012 for Terminal Service
  - Configuration
    - 1 Dell PowerEdge R530 Server – **Engine/Host virtualization**
    - (2) Intel® Xeon® E5-2630 v3 2.4GHz, 20M Cache, 8.00GT / s
    - **(8) 16GB RDIMM memory, 2133MT / s, DR, x4, BCC**
    - (1) 600GB, 10K RPM SAS 6Gbps, 2.5in Hot-plug Hard Drive, 3.5in HYB CARR
    - (2) Network deInterface Board Intel® i350 1GB Four doors
    - **(1) Emulex OneConnect OCe14102-U1-D Two Doors PCIe 10GbE CNA**
    - (1) iDRAC8 Express, Integrated Dell Remote Access Controller

- 1 Server for Windows Server 2012 for File Server
  - Configuration
    - 1 Dell PowerEdge R530 Server - **Turned storage with FreeNAS**
    - (1) Intel® Xeon® E5-2609 v3 1.9GHz, 15M Cache, 6.40GT / s
    - 8GB RDIMM memory, 2133MT / s, DR, x8, BCC
    - RAID 5 for Parent H330 / H730 / H730P 3-32 HDDs
    - PERC H730 RAID controller, 1GB NV Cache
    - (4) 600GB, 10K RPM SAS 6Gbps, 2.5in Hot-plug Hard Drive, 3.5in HYB CARR
    - (1) Network deInterface Board Intel® i350 1GB Two doors
    - **(1) Emulex OneConnect OCe14102-U1-D Two Doors PCIe 10GbE CNA**
    - (1) iDRAC8 Express, Integrated Dell Remote Access Controller



- **Current scenario VMS**
  - 1 VM Server CentOS 7 File Server / Samba4 + GPO
  - 1 VM Server CentOS 7 Data Base Postgres
  - 1 VM Server Windows 2012 / ERP applications
  - 15 VM's Windows 7 x64
- **Current scenario VDI**
  - 15 VM's Windows 7 x64
  - 450GB virtual disk desktop's virtual
  - 60GB used virtual memory
  - Web Portal
  - Future client's connects using **Sample user portals**

# THANK YOU!

<http://www.ovirt.org>

<http://lists.ovirt.org/mailman/listinfo/users>

<http://lists.ovirt.org/mailman/listinfo/users-pt>

<http://lists.ovirt.org/mailman/listinfo/devel>

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