oVirt as a VDI Solution

Remote Console Access in oVirt Engine

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Agenda

- (Very short) Introduction to the topic
- Supported protocols in oVirt and their features
- HTML5 clients live demo
- Future plans, feature priorities discussion

Introduction – console in oVirt engine

- What is it (for)?

- Where is it implemented?
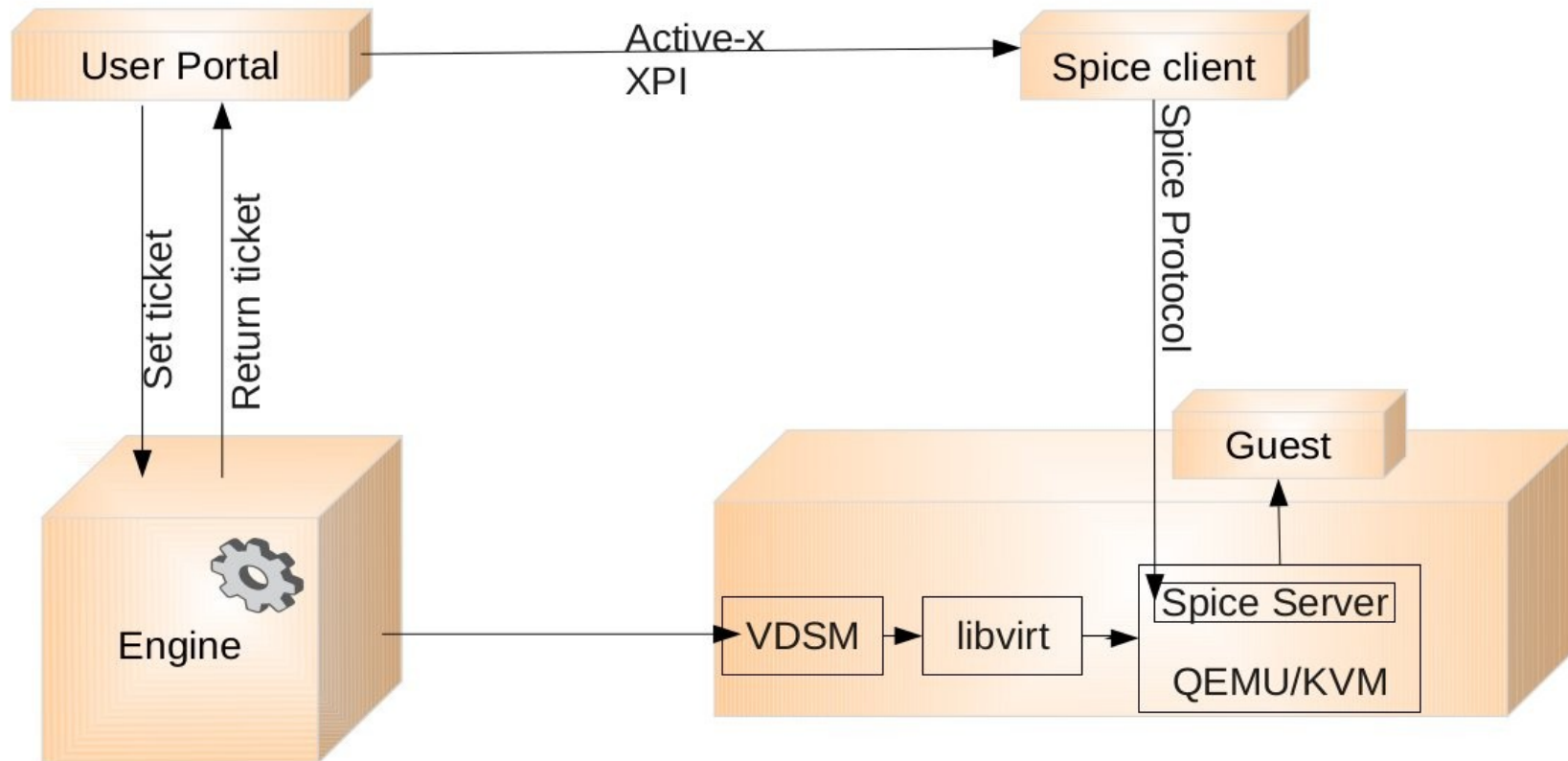
- How is it used in the web application?

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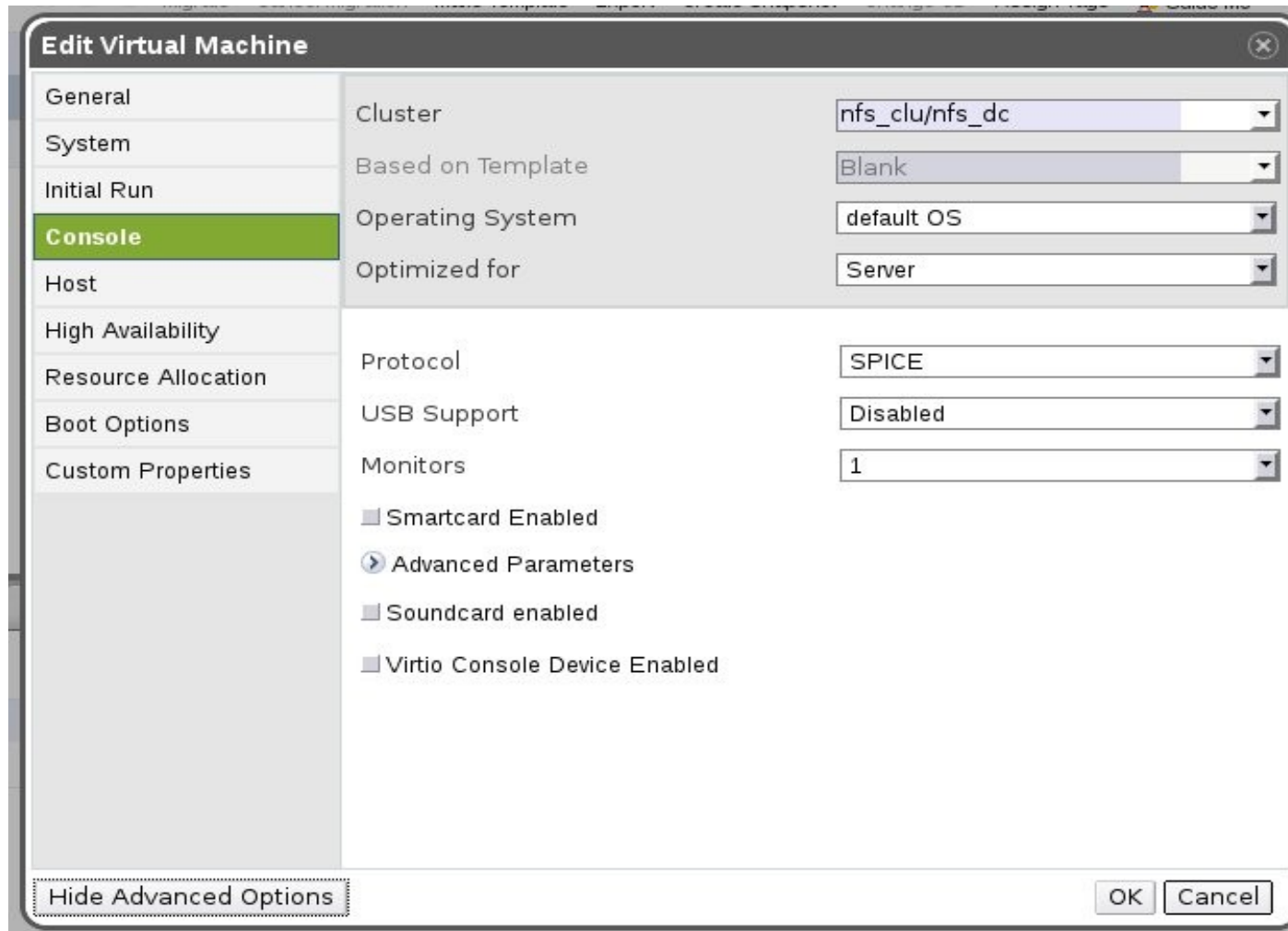
Introduction – console in oVirt engine

oVirt

- Where is it implemented (SPICE case)?

Introduction – console in oVirt engine
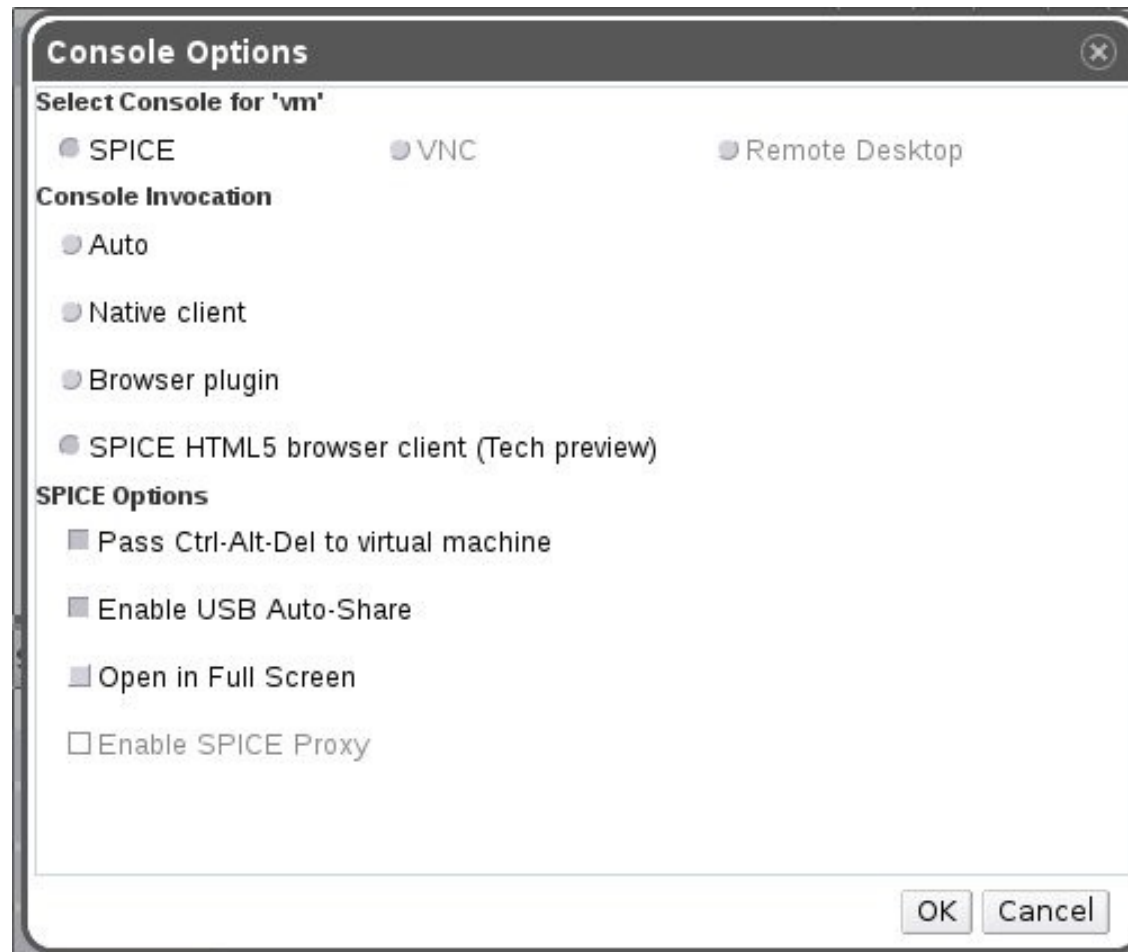
oVirt

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Introduction – console in oVirt engine

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Supported Protocols

- SPICE

- VNC

- RDP

- Various client applications

- Various protocol's features supported

SPICE

- Clients

    - Native client (virt-viewer)

    - Browser plugin (Firefox)

    - SPICE-HTML5 (experimental)

- Various features supported (cont.)

- Many features still not exposed in oVirt

SPICE (cont.)

- Exposed features
    - SPICE proxy
    - USB auto-share
    - Smartcard support
    - WAN options control
    - spice-vdagent
- Planned for 3.4
    - Clipboard control
    - SSO control
    - SPICE-HTML5 improvements

VNC

- Clients

  - Native client (virt-viewer)

  - NoVNC (HTML5)

- Well-known protocol, widespread

- Limited features

RDP

- Clients

  - Native client (mstsc.exe)

  - Browser plugin (MS ActiveX RDP Add-On)

- Required guest OS support (Windows only)

- Feature-rich protocol

  - most features not exposed in oVirt (except drives redirection and SSO)

Summary – Client Support Matrix

oVirt

	SPICE	VNC	RDP
Native Client	virt-viewer	virt-viewer	MS mstsc
Plugin	virt-viewer xpi		MS ActiveX
HTML5	SPICE-HTML5	noVNC	

GNU/Linux

MS Windows

Multiplatform

Live Demo

oVirt

- HTML5 console clients
    - noVNC
    - SPICE-HTML5

Future Plans

- SPICE features not yet exposed in oVirt

- Polish html5 implementations

- Making websocket proxy optional

- Sound in spice-html5 using opus codec

- SPICE plugin for Firefox on Windows

- Seamless switching between SPICE and VNC during VM run (3.4)

- Improved console access (better locking/multiple access ...)

- Mixing secured and unsecured channels for SPICE

- RDP on GNU/Linux

THANK YOU !

http://www.ovirt.org
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- Q&A

- Future plans discussion