Agenda

- UI
- Installation
- Infra
- Network
- SLA
- Storage
- Virt
- Bright Future (is that 3.6?)
UI Look and Feel

- UI – PatternFly project (phase 1)
UI Look and Feel
Installation & deployment

- Hosted engine improvements
  - Supported on SAN (iSCSI)
  - VLAN and bond interfaces
  - Support on EL 7
  - ovirt-node plugin
- Separate hosts for websocket-proxy, DWH, Reports
- oVirt Appliance
- Windows guest tools iso
“infra” features

- AAA
- Foreman bare-metal provisioning
- Scaling improvements
  - ioprocess
  - JSON-RPC communication
  - everywhere!
- SELinux discrepancy warning
- CoCoCo – Command coordination framework in engine
- Fencing and power management improvements
Fencing enhancements

- Kdump integration
- Fencing Policy subtab
“network” features

- Connectivity log
- Preconfigured Neutron appliance
- ethtool and bridging options
- Network configuration unified persistence
“SLA” features

- CPU & Disk QoS/capping
- NUMA
- Scheduler REST API
- oVirt optimizer (OptaPlanner integration)
**OptaPlanner integration**

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### SOLUTION STATUS

- Status: Solution received
- Solution is being refreshed every 30 seconds.

### VMS THAT SHOULD BE STARTED

No VM starts are requested at this moment.

### MIGRATION / START STEPS

No migrations are needed at this moment. The state is stable.

### TARGET STATE

<table>
<thead>
<tr>
<th>host</th>
<th>vm</th>
<th>memory [all in GB]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>used</td>
</tr>
<tr>
<td>Host_two</td>
<td></td>
<td>0.3</td>
</tr>
<tr>
<td>aff_1</td>
<td></td>
<td>0.3</td>
</tr>
<tr>
<td>Host_three</td>
<td></td>
<td>0.0</td>
</tr>
</tbody>
</table>

This host has no VMs.
“storage” features

- Continue on SPM removal
  - Storage pool metadata removal from master storage domain
  - Store OVF on any domain
- Import existing data domain
- Live merge
Live merge

- Snapshot deletion while VM is running
- Complex behind-the-scene operation
“virt” features

- Instance types
Instance types

- Predefined HW profiles
## Instance types

- Predefined set of instances

### Table: Instance Types

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td></td>
</tr>
<tr>
<td>Large</td>
<td></td>
</tr>
<tr>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>Small</td>
<td></td>
</tr>
<tr>
<td>Tiny</td>
<td></td>
</tr>
<tr>
<td>XLarge</td>
<td>Extra Large instance type</td>
</tr>
</tbody>
</table>

### Configure

- Roles
- System Permissions
- Cluster Policies
- Instance Types

<table>
<thead>
<tr>
<th>New</th>
<th>Edit</th>
<th>Remove</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
“virt” features

- Instance types
- Edit running VM properties
Edit running VM properties

- All properties are now changeable
- Apply on next run
Edit running VM properties

- What was changed?
“virt” features

- Instance types
- Edit running VM properties
- Live migration progress in UI
- Virtio-rng support
- More options in sysprep
Sysprep enhancements
Near future?

- move GUI to use REST
- Removal of SPM
- Smoother OpenStack integration, CEPH
- v2v integration
- Adopting more EL7 KVM features (hotplug, migration)
- Instance images
- Hostdev passthrough
- More scheduling policies
- AutoNUMA
- Networking SR-IOV
- engine<->vdsm events infrastructure
THANK YOU!

http://www.ovirt.org/OVirt_3.5_Release_Notes

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