Ganeti Web Interfaces

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Web interfaces

- The Ganeti RAPI allows other systems to interface into Ganeti

- There are two standalone web front-ends available

  - Ganeti Web Manager (OSU OSL)

  - Ganeti Manager (GRNet)

- Both are Python/Django applications

- Neither is particularly well supported :-(

Ganeti Web Manager

- Allows setting of most VM parameters

- VM management can be delegated to users

- Fine-grained access control

- Console access via HTML5/Javascript in browser (noVNC, websockets)

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Ganeti Web Manager

Ganeti Web Manager downsides

- Maintains a mysql database of instances separate from Ganeti
  - Can get out of sync
  - Changes which are made via the CLI may not be visible in the web interface
  - Press "Refresh" button to resynchronize
- VMs created outside GWM have to be imported; "orphan VMs" (no owner) have to be "adopted"
- Errors in VM creation cause GUI to fail

Ganeti Manager

- As used by ViMa (vima.grnet.gr)

- Provides ticket-like interface where users fill in a form to request a VM

    – manual approval or rejection

- Suited to university-type environment?

- Easier to install than GWM?

- More polished interface?

- Can report lots of VM statistics

Ganeti Manager

Ganeti Manager downsides

- Requires a patched version of instance-image - which has not yet been released :-(

- Still need to use CLI to change VM settings like memory and vcpus

- Console access requires Java in browser

- Errors in VM creation are not reported in GUI

- Also has a database (but more like a cache)

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