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 :-(





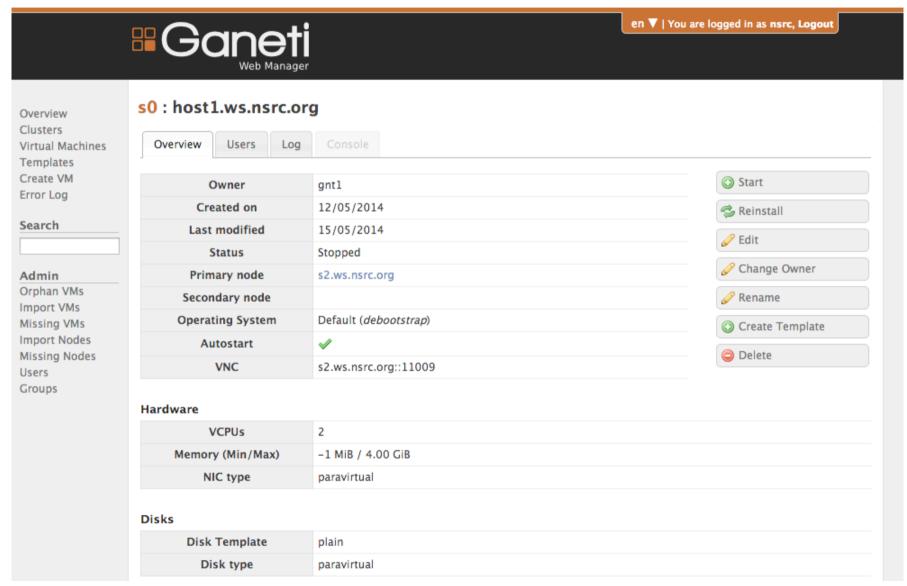
Ganeti Web Manager

- 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)





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





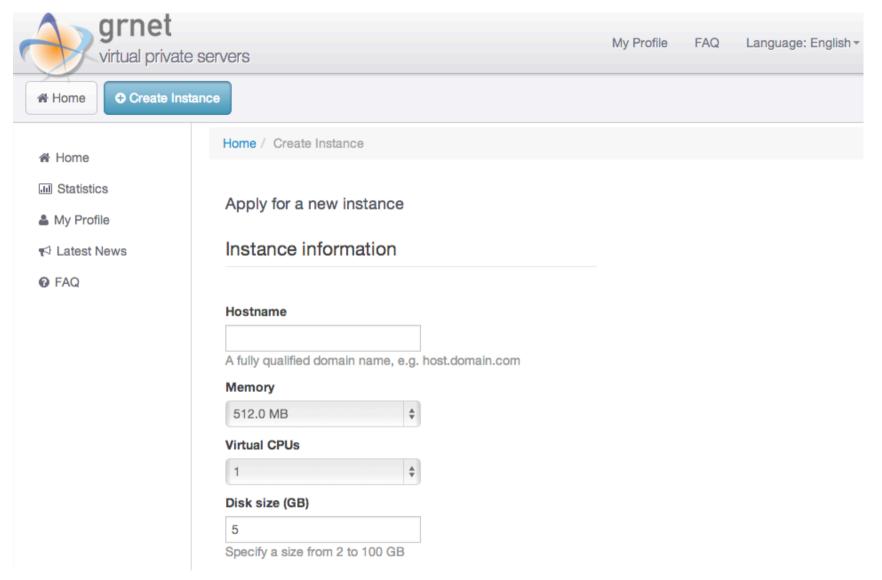
Ganeti Manager

- 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)



