Using VMware with OSG

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VMware solution

- Install vmware on existing windows machines

- Run linux virtually

- Grid sends jobs to virtual machine

- Local users can still use windows

Rational

- Most departmental machines are windows

- Most see small amounts of bursty usage

- Transparent to local user

- Simple addition to the grid

Issues

- Need fast computers:

  - ~2 GB ram

  - >1 GHz

  - 2nd network card

- Hard drive space:

  - space for linux install + special software

  - space for vmware - less than 50 mg

  - temp space for generated data

Features

- "Smart" cpu usage

- Dynamic hard drive allocation

- VM Player is free - no licensing costs