



## Solaris Virtual Machines

The Office of Information Technology (OIT) offers Glue'ed **Solaris Virtual Machines** using the latest Sun SPARC LDOM (logical domain) technology. Instead of purchasing, installing, and configuring your own server, you can choose instead to purchase a virtual server with exactly the amount of resources you need.

### Service Benefits

Here are just a few reasons why **Solaris Virtual Machines** might be of value to you or your department:

- Reduced cost (no need for your own hardware—great for long-term production use as well as for development or temporary prototype environments)
- Secure authentication and authorization using standard University Directory credentials
- Sustainability (decreased use of campus computing resources)
- Ready access to technical resources and capabilities that some departments may not otherwise be able to afford
- Increased time and resources available to local IT staff to devote to department-specific support issues
- A secure computing environment, patched and maintained per vendor recommendations
- Access to hundreds of applications, including Matlab, Mathematica, OpenOffice, SPSS, and much more
- Operating system licensure (Solaris licenses are included as part of this service)
- Around-the-clock monitoring of the virtual server and critical applications

### Service Description

**Solaris Virtual Machines** provide all of the benefits of running your own server without having to purchase the hardware. Customers can administer their virtual machine themselves, or contract separately with OIT to provide system support. Either way, departments receive all of the benefits of the OIT-supported Glue environment they would normally get using actual server hardware.

1. Initial hardware installation/configuration into the Glue environment. Operating system support is limited to Solaris 10 for SPARC.
2. Real-time monitoring tailored to the service(s) provided by the virtual machine.
3. Vendor-recommended OS patches applied twice annually (Glue-wide, not just to customers contracting for support).
4. Critical security updates applied as needed (Glue-wide, not just to customers contracting for support).
5. Installation and maintenance of OIT-supported backup client software. (The cost of the backup service is in addition to the support agreement.) OIT backups are strongly recommended, but are not a requirement for this service.
6. Disaster recovery backups (copies of virtual machines machines are created daily).



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To minimize disruption of service, upgrades and routine maintenance on the host hardware will be performed after hours and with a minimum of two-weeks advanced notice to customers. Non-critical patches requiring outages to individual guest machines will likewise be scheduled with a minimum of two-weeks notice.

**Service Pricing**

In addition to a one-time setup fee of \$120, the annual charge for **Solaris Virtual Machines** is as follows:

- CPU – \$72.00 per CPU
- RAM – \$72.00 per GB of memory
- system support cost – \$140

Below are several sample pricing scenarios:

Guest Configuration	Annual Rate	Comment
1 CPU, 1GB Memory	\$384.00	Plus one-time charge of \$120
2 CPU, 4GB Memory	\$672.00	Plus one-time charge of \$120
4 CPU, 4GB Memory	\$816.00	Plus one-time charge of \$120
4 CPU, 8GB Memory	\$1,104.00	Plus one-time charge of \$120
8 CPU, 16GB Memory	\$1,968.00	Plus one-time charge of \$120

Service is billed monthly, with the initial billing period starting on the first day of the first full month in which service begins. Either party may terminate a support agreement with or without cause; however, a minimum of 30 days advance notice is required.

OIT provides a separately chargeable [backup service](#), which includes off-site storage of tapes. The cost of this service is \$0.23 per GB backed up per month. Although not required, this service is strongly recommended. Customers who purchase the backup service will receive a single, itemized invoice each month that breaks down all charges. The total amount of the bill will vary depending on the amount of data backed up that month.

**Customer Requirements**

There are no specific requirements or preconditions customers must meet to contract for this service.

If you have any questions or are interested in learning more about the **Solaris Virtual Machines** service, contact the OIT Helpdesk (x51500).