

```
#ifdef __KERNEL__
extern unsigned long simple_strtoul(const char *,char **,unsi
extern long simple_strtol(const char *,char **,unsigned int);
extern unsigned long simple_strtoul(const char *,char **,unsi
extern long simple_strtol(const char *,char **,unsigned int);
extern int sprintf(char *buf, const char *fmt, ...);
#endif /* __KERNEL__ */
```

The Kernel

Vol. 1, Issue 06

<http://www.rose-hulman.edu/TSC/Kernel/>

Summer 2002

IAIT's Summer Plans

Over the summer there will be several changes concerning the campus network. Bandwidth on campus will increase from the current four T1s to a fractional DS3. This change will provide approximately two and a half times more bandwidth to campus. The change will be from 6 megabits per second to 15 megabits per second. As part of the bandwidth change, Rose-Hulman's Internet service provider will also change from IHETS to Sprint.

Windows XP will continue to be deployed on faculty and staff computers. The rollout for faculty and staff should be completed before the start of the next school year.

Laptop Service for Summer

The Laptop Shop will remain open through the summer months on their regular schedule of 8:00 a.m. to 5:00 p.m., Monday through Friday. All summer work on laptops for students will be conducted on a time available basis beginning in June. Students should call the IAIT Helpdesk in advance to check for an available time to have their machine serviced. This includes any students that wish to have their system upgraded to Windows XP which will also be available beginning in June. IAIT will not be accepting shipped laptops. If you wish to have your laptop repaired or upgraded during the summer, you must drop off and pick up your laptop in person. IAIT will not be storing student laptops or shipping them to students.

Novell's Impending Removal

As the end of the school year approaches, so does the removal of Novell. As mentioned in the February '02 Kernel (<http://www.rose-hulman.edu/TSC/Kernel/archive/TSC-Kernel-02-02.pdf>), Novell is being replaced by AFS as the primary file sharing system. The first step of the Novell removal was to actually remove the Novell client from the computers on campus and replace it with the AFS client. Many

machines no longer have Novell installed on them, with the major exceptions being the Public Lab and the Dynamics Lab. The final major step of the decommissioning will be the removal of personal files from the Novell file servers. To facilitate this, the Novell file systems will be switched over to "read only" mode during the summer. That means that you can no longer write to the Novell drives. After one month of "read only" access Novell will be shut down.

If you are going to be away for the summer, you must transfer any files you wish to save off of the Novell file servers and onto your computer's hard drive or to your AFS file space before leaving for the summer. Instructions for this are found at <http://www.rose-hulman.edu/TSC/assist/0202-NovellEradication.htm>, or if you need assistance you may call the TSC Help Desk at x.8989.

Coming Soon: New IAIT Website

During the spring quarter, several students have been busy redesigning the IAIT website. The new website has been revamped from the ground up and will have several features to improve its usability. Some of the features are a top level menu from any page, a sitemap, and a full site search provided by Google™. The new website will be completed soon and will replace the current website located at <http://www.rose-hulman.edu/TSC/>.

Tip of the Month

If you are having trouble getting to servers like [\\tibia](http://tibia), you may need to make some changes.

If you are running Windows 98, right-click on Network Neighborhood, then click Properties, then select TCP/IP for your Ethernet card, then click Properties, then check on the WINS Configuration tab that WINS is disabled, and then on the DNS Configuration tab enable DNS, set [rose-hulman.edu](http://www.rose-hulman.edu) as your domain, and add [rose-hulman.edu](http://www.rose-hulman.edu) to your list of search domains.

IAIT Help Desk Summer Hours

Monday-Friday 8am-5pm
Off May 27th and July 4th

Email for the Summer

With the summer coming up quickly, many people will soon be off campus. The option to continue to receive email from off campus is available using Microsoft Outlook 2000, Outlook XP, Netscape Messenger, or via the Internet. In order to connect to the Rose email server using an email client from off campus a secure connection must be made. This ensures that passwords are sent out encrypted and it is best if the IMAP server is used. Instructions for configuring the various clients are below.

For Outlook 2000

1. Click on Tools in the menu
2. Click on Accounts, then Properties
3. Click on the Advanced tab
4. Make sure that both “This server requires a secure connection (SSL)” boxes are marked.

For Outlook XP

1. Click on Tools in the menu
2. Click on E-mail Accounts, select View or change existing e-mail accounts, and then click next.
3. In the E-mail Accounts window select your Rose-Hulman account, then click Change
4. Click More Settings then click on the Advanced tab.
5. Make sure that both “This server requires a secure connection (SSL)” boxes are marked.

For Netscape Messenger

1. Click on Edit then Preferences
2. Click on Mail Servers

3. Verify that “Use Secure Socket Layer (SSL):” is set to “If possible.”
4. Select your Rose-Hulman account and click Edit
5. On the IMAP tab ensure that “Use secure connection” is checked

If you experience difficulties with configuring your email client, you can also check your email from the web. Webmail is located at <https://webmail.rose-hulman.edu/>.

If you would like information about setting up an auto response email while you are on vacation, the May '02 Kernel (<http://www.rose-hulman.edu/TSC/Kernel/archive/TSC-Kernel-05-02.pdf>) gave instructions on how to setup that up.

Using the VPN

This summer, while away from campus, you will still be able to access most network resources by making use of the Rose-Hulman Virtual Private Network (VPN). This allows you to securely connect to such services as Banner, MatLab, AFS, Tibia, Logan Library resources and others from off campus, just as if you were on campus.

To make use of the VPN and access these services while off campus all you need is an Internet connection and the Contivity VPN Client installed. The client, installation instructions, and all other necessary information are available at <https://dna.rose-hulman.edu/vpn/>.

If you have questions about any information contained in the Kernel, please contact the IAIT Help Desk at extension 8989 or helpdesk@rose-hulman.edu.

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 **Have a great summer!!** 