

101000111010011011010110101

101011010110001101010





Advanced Registry Operations Curriculum

Presenting Your NOC



The Network Operations Center

NOC = Network Operations Center

- Come in many forms and depend on the size of your organization and your goals.
- "One or more locations from which control is exercised over your network."
- NOCs can be:
 - Virtual
 - Located at the core of your network
 - With your help desk
 - Built in pieces
 - Etc.

The Network Operations Center

For purposes of this class each of you will create a virtual NOC using the project management software Trac already installed and partially configured on your machines.

A BIG NOC



There are even bigger NOCs out there...

A small NOC

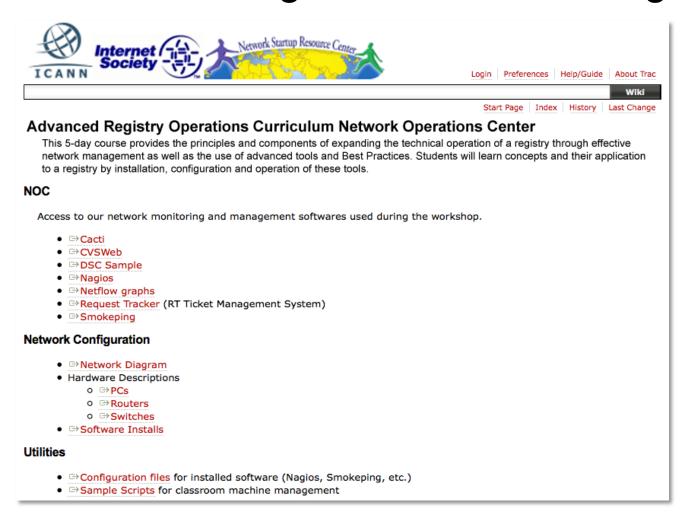


In the same room there is a desk with a phone, another computer and a monitor. This acted as the group's Help Desk.

Many network problems could be detected and solved on the spot!

Our Virtual NOC

We are working towards something like this:



Go to http://localhost/trac/



Login Preferences Help/Guide About Trac

History Last Change

Advanced Registry Operations Curriculum Virtual Network Operations Center

NOC

Access to network management and monitoring software installed for the workshop.

Network Configuration

Network diagrams, machine descriptions, installed software, etc.

Utilities

Scripts, configuration file, etc. used to manage our network.

Other

You can rename this section and place anything else that you think might be useful here.

Help

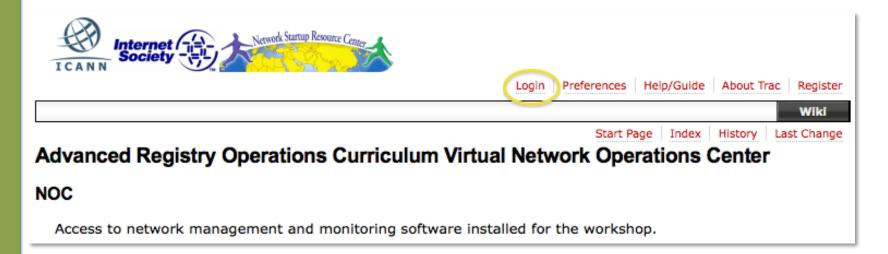
- TracGuide -- Built-in Documentation
- TitleIndex -- Complete list of local wiki pages

Download in other formats:

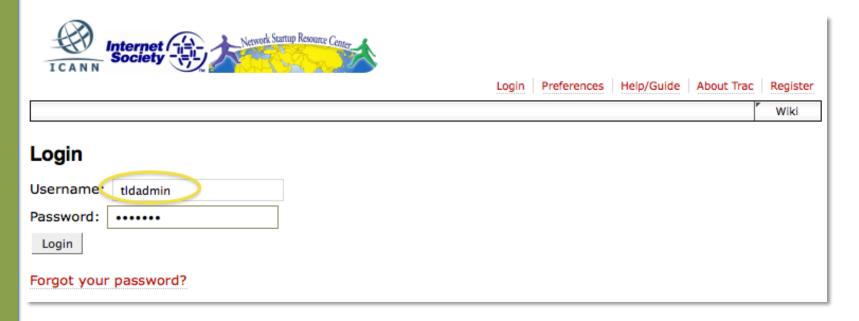
Plain Text



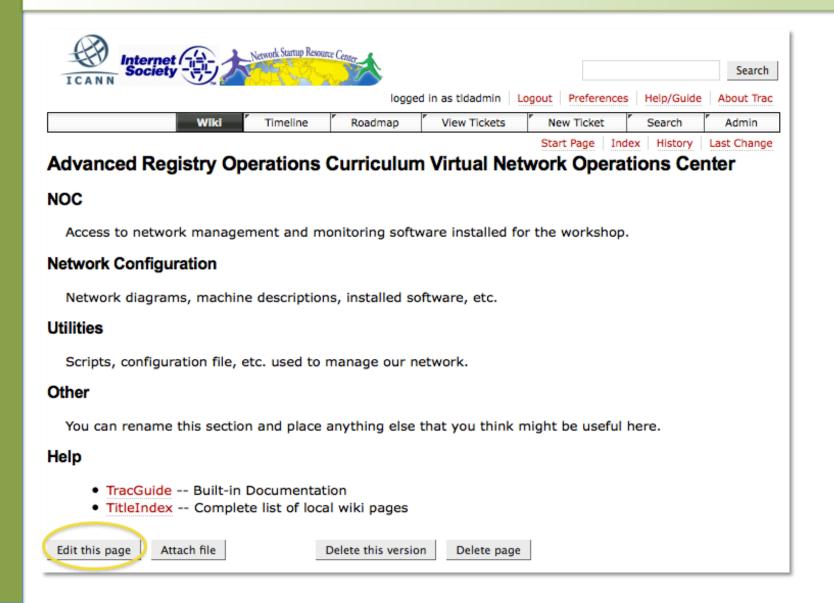
Log in to your Trac instance:



Use the "tldadmin" user and same password as used in class:



You will now be able to update, create, delete pages in the trac wiki. Click on the "Edit" button at the bottom of each page to do this...



Your Assignment

Document your network!

- After each software install and configuration link to the new software.
- Create an entry for your PC, other PCs, routers and switches in the classroom.
- Create or copy a classroom network diagram.
- Consider using Trac's Timeline and ticket features for outstanding issues and projects.
- Create a repository of configuration files and link to this.

Your Assignment cont.

Documenting your network...

- Make note of what software is installed and versions.
- Document anything else that you think will make managing and monitoring your network easier.
- By the end of the week you should have a Trac instance similar to or better than the instance installed and configured on the workshop NOC machine.

Keeping "Trac" of it All

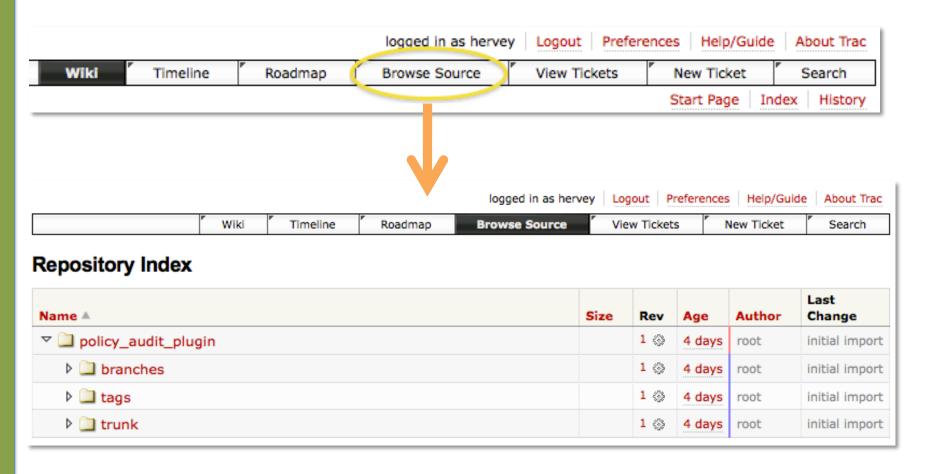
Note that Trac includes a *Timeline* feature. This includes:

- Changes to wiki pages.
 - Updates, creation, deletion and responsible user.
- Ticket history
 - Updates, creation, deletion and responsible user.
- Milestone updates

This is part of the built-in Version Control System (VCS) in Trac. Trac uses the Subversion VCS.

Trac and Subversion

You can link trac to Subversion repositories and access them via the Wiki:



Versioning and Documentation

Version Control Systems are part of any good documentation project.

During the week you will be exposed to this concept several more times.

There are many version control systems:

- CVS
- Subversion
- Mercurial
- etc...

Wikipedia has a good article on the concepts of "Revision Control":

http://en.wikipedia.org/wiki/Revision_control

Using Trac

Use the built-in documentation:

Help

- TracGuide -- Built-in Documentation
- TitleIndex -- Complete list of local wiki pages

Located at the bottom of the Trac main page.

- If you have questions ask an instructor.
- You can find Trac here:

http://trac.edgewall.org/

