

eris - User's Guide

Eris is the Greek goddess of Chaos and Discord

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Introduction

This is supposed to serve as an introduction to the features in eris. The following is the main page:

eris :: network console

The screenshot shows the eris network console interface. At the top is a navigation bar with links: main, dnsmgr, security, nodes, and logout. The word "navigation" is annotated over this bar. Below the navigation bar is a search bar with the text "network:" followed by an input field and a "search" button. The word "search" is annotated over the button. Below the search bar is a message: "new version, probably more useful". Below this message is a paragraph of text: "dnsmgr added for requesting ip addresses and updating DNS records in the irp.nia.nih.gov domain. please email brad with problems." The words "main content" are annotated over this paragraph. To the right of the message is a widget titled "[nodes] Recently Discovered" containing a list of nodes: testing512, nialcs-00000000, nialci-01742169, nialcmb01778116, and nialns-01778581. The words "widget sidebar" are annotated over this widget. At the bottom left, it says "logged in as lhotskyb". The word "footer" is annotated over this text.

main dnsmgr security nodes logout

network: search

new version, probably more useful

dnsmgr added for requesting ip addresses and updating DNS records in the irp.nia.nih.gov domain. please email brad with problems.

[nodes] Recently Discovered

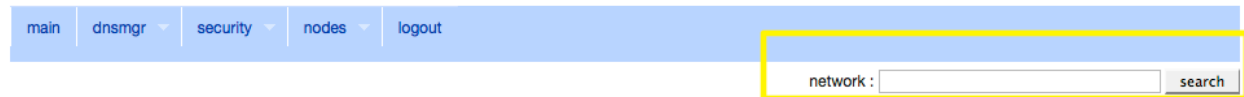
- testing512
- nialcs-00000000
- nialci-01742169
- nialcmb01778116
- nialns-01778581

logged in as lhotskyb

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Searches

eris includes a smart search box in the right corner below the menu bar:

A screenshot of the eris user interface. At the top, there is a light blue horizontal menu bar with five items: 'main', 'dnsmgr' with a dropdown arrow, 'security' with a dropdown arrow, 'nodes' with a dropdown arrow, and 'logout'. Below the menu bar, on the right side, is a search box. The search box is outlined in yellow and contains the text 'network :' followed by an empty input field and a 'search' button.

By default it will automatically try to resolve your search term into a MAC Address, IP Address, Property Tag, Hostname, and then Username search. Logic is built in to resolve the quickest search pathway and automatically execute it. Future revisions will include functions to force the search into a particular field.

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Searching for Users

Type the user name into the search box and click search:

network :

The results are displayed if the user is found.

eris :: network console

[main](#) | [dnsmgr](#) | [security](#) | [nodes](#) | [logout](#)

network :

User Details

Status : Active

Full Name : Brad Lhotsky

Email : lhotskyb@mail.nih.gov

Lab : IRP RRB

AD Last Logon : 2010-08-19T11:49:57

eris Roles : login, admin

Authentication History

User's Devices

Tab Interface for Authentication & Device Lists

Show 10 **entries**

Fancy JS Table Controls
Sort / Search / Pagination

How	Where	From	To	#
userAtHost	nia-syslog	2010-08-20T11:01:01	2010-08-20T14:01:02	4
sshd	niancts-01778011	2010-08-20T10:20:36	2010-08-20T10:31:38	3
userAtHost	vnetmon	2010-08-20T10:01:01	2010-08-20T10:01:01	1
userAtHost	nia-syslog	2010-08-20T10:01:01	2010-08-20T10:01:01	1
sshd	niancts-01778011	2010-08-20T10:00:05	2010-08-20T10:00:28	3
userAtHost	nia-syslog	2010-08-19T18:01:01	2010-08-19T18:01:01	1
sshd	niancts-01778011	2010-08-19T17:05:59	2010-08-19T17:05:59	1
userAtHost	nia-syslog	2010-08-19T10:01:02	2010-08-19T16:01:01	7
sshd	niancts-01778011	2010-08-19T09:54:58	2010-08-19T09:55:09	3
userAtHost	nia-syslog	2010-08-17T12:01:01	2010-08-17T16:01:02	5

Showing 1 to 10 of 42 entries

Or an error message if nothing is found:

Error: Nothing found for lhotskyc

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DNS Manager Modules

eris contains two main DNS Management Modules. The “Zone Management” module enables editing of a raw DNS Zone File, similar to BIND’s named style formatting. To facilitate easy IP Requests, eris also contains a simplified “IP Management” module that allows users to request/reserve IP’s from designated ranges. The two modules feature triggers to keep each other in sync.

IP Management

The IP Management Module allows users to request IPs from allocated ranges. It is accessible from the dnsmgr -> ip mgt drop down menu item. The user tools page looks like this:

IP Management Tools

Request a new static IP for . in

Filling in the fields like this:

IP Management Tools

Request a new static IP for . in

Yields this confirmation page:

Current Request

Hostname: newhost.irp.nia.nih.gov

IP Address: 156.40.67.0

✓ Automatically Update the irp.nia.nih.gov DNS

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The tools check the consistency of the DNS and Database, so if you try to request a name that's already in use, you will receive warnings:

Current Request


Hostname: beholder.irp.nia.nih.gov
IP Address: 156.40.67.0

Notice: beholder.irp.nia.nih.gov has address 137.187.160.106

i NS(external) has beholder
beholder.grc.nia.nih.gov=A 137.187.160.106

i NS(nia) has beholder
beholder.irp.nia.nih.gov=A 137.187.160.106

i NS(nih) has beholder
beholder.grc.nia.nih.gov=A 137.187.160.106

 Automatically Update the irp.nia.nih.gov DNS

confirm

reject

But it will not prevent you from overwriting the information in the database and DNS.

At this point, the system has stored a “reservation” for the hostname and IP Address displayed. This means, someone else cannot request the same IP Address until you click on “confirm” or “reject.” The default behavior updates the DNS Zone for the selected Forward zone. A future release will update reverse zones.