

# JHARS

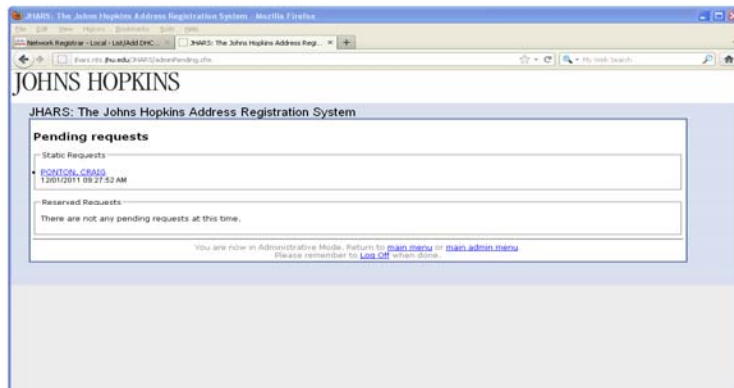
**“Options for Administrators of the  
JHARS system”**

There are seven administrator options available :



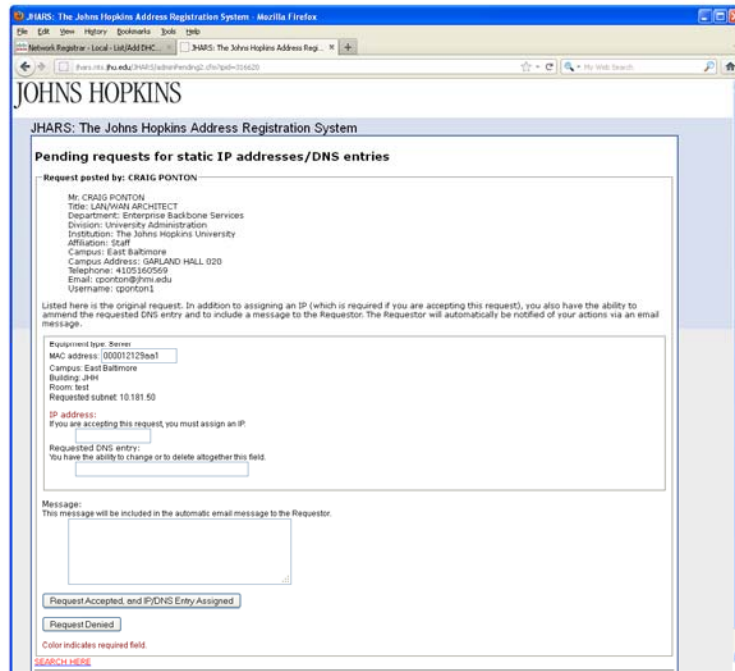
### Option 1: Pending requests for static IP addresses/DNS entries

If you are responsible for handling all aspects of a particular subnet, you will need to monitor this option for new requests. Clicking this will display any requests waiting for your response/approval.



All pending requests in the Jhars system will be displayed. However, you will only be able to access requests from your scope.

Click on the request:



The screenshot shows a web browser window titled "JHARS: The Johns Hopkins Address Registration System" in Mozilla Firefox. The page header includes the Johns Hopkins logo and the system name. The main content area is titled "Pending requests for static IP addresses/DNS entries" and shows a request posted by CRAIG PONTON. The request details include: Mr. CRAIG PONTON, Title: LAN/WAN ARCHITECT, Department: Enterprise Backbone Services, Division: University Administration, Institution: The Johns Hopkins University, Affiliation: Staff, Campus: East Baltimore, Campus Address: GARLAND HALL 020, Telephone: 4105160569, Email: cponton@jhu.edu, Username: cponton1. Below the details, there is a section for "Listed here is the original request. In addition to assigning an IP (which is required if you are accepting this request), you also have the ability to amend the requested DNS entry and to include a message to the Requestor. The Requestor will automatically be notified of your actions via an email message." This section contains input fields for "Equipment type: Server", "MAC address: 000012123aa1", "Campus: East Baltimore", "Building: JH4", "Room: test", and "Requested subnet: 10.181.50". There are also fields for "IP address:" and "Requested DNS entry:". Below these fields is a "Message:" section with a text area for comments. At the bottom of the form, there are two buttons: "Request Accepted, and IP/DNS Entry Assigned" and "Request Denied". A legend indicates "Color indicates required field" and a "SEARCH HERE" link is provided at the very bottom.

Enter the assigned IP address. You can use the search feature at the bottom of the screen to see what is currently in use.

There is a message area for comments, if needed.

Click on the Request Accepted or Request Denied button . The information will be sent to the requestor via email.

## Option 2: Search Functions

JHARS: The Johns Hopkins Address Registration System

**Search functions**

Search by:

JHARS Administrator:

Username:

Department:

Division:

Institution:

Affiliation:

MAC:

IP:

DNS entry:

Campus:

Building:

Room:

Equipment type:

Operating system:

CNR server:

Request type:

Sort order:

Done

This allows you to search using different methods. Ex: IP; MAC; Username; etc.

## Option 3: Reserve an IP Address

JOHNS HOPKINS

JHARS: The Johns Hopkins Address Registration System

### Reserve an IP Address

This form can be used to reserve an IP Address for a specific CNR server.

CNR Server:

IP Address:

Color indicates required field.

You are now in Administrative Mode. Return to [main menu](#) or [main admin menu](#).  
Please remember to [Log Off](#) when done.

Enter the IP address to be reserved and select the CNR server from the drop-down list, then click “Submit”. This will query the dhcp server to see if there is a reservation currently assigned to the address.

JHARS: The Johns Hopkins Address Registration System - Mozilla Firefox

Network Registrar - Local - List/ASS CHC... JHARS: The Johns Hopkins Address Reg...

www.jhu.edu/3045/3045.htm#view=3045.htm

JOHNS HOPKINS

JHARS: The Johns Hopkins Address Registration System

### Make Reservation

**Reserve IP**

A Reservation does not currently exist for the following:

Server: 10.15.67.20  
IP: 10.131.193.21

Enter your MAC Address below to make the reservation.

MAC Address:

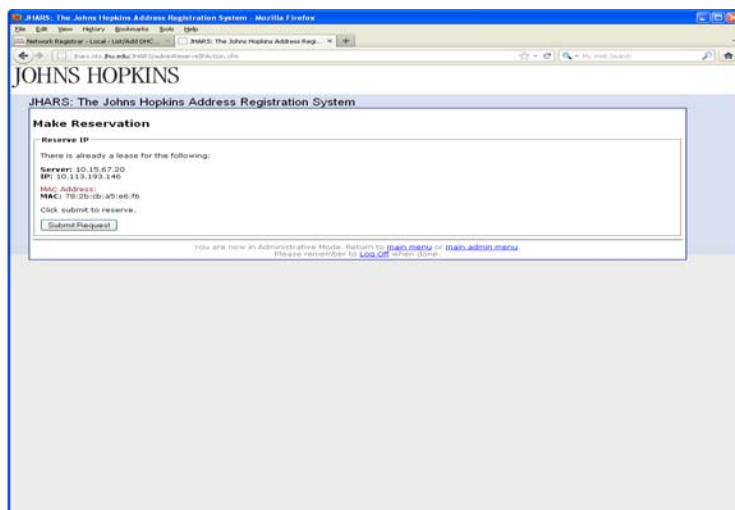
You are now in Administrative Mode. Return to [main menu](#) or [main admin menu](#).  
Please remember to [Log Off](#) when done.

If a Reservation does not exist, enter the mac address of the device and submit the request.



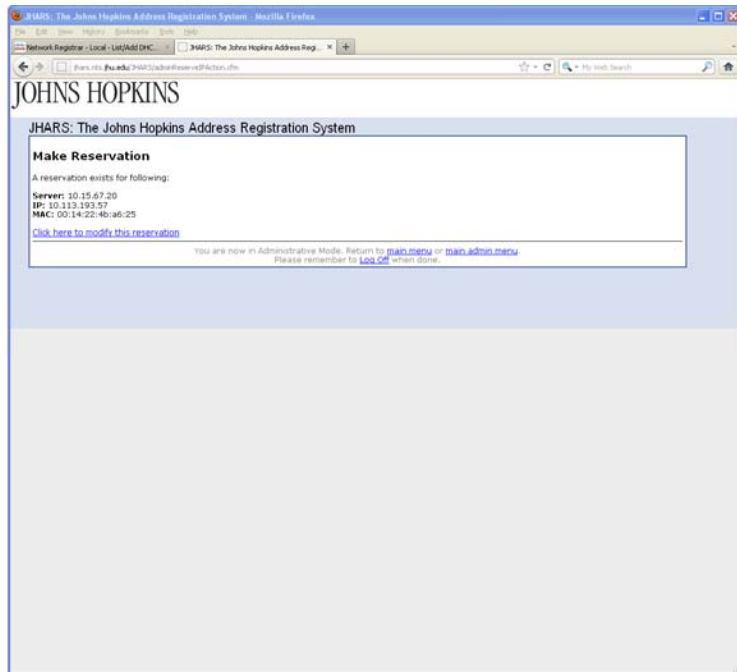
### Option 3A:

If the address entered currently holds a lease, JHARS will notify you of the mac address assigned to the IP and allows you to reserve the address by “Submitting the Request”.



## Option 3B:

If the IP to be reserved currently has a reservation, you will be informed of this along with the option to make modifications.



To modify/change the current reservation of a leased IP.

A screenshot of the 'JHARS: The Johns Hopkins Address Registration System' web interface, specifically the 'Modify a Reservation' page. The page title is 'JHARS: The Johns Hopkins Address Registration System'. The main content area is titled 'Modify a Reservation' and contains the following text: 'This form allows you to modify a reservation for a specific CNR server.' Below this text is a form with the following fields: 'CNR Server:' with a dropdown menu showing '--- Select CNR server ---'; 'IP:' with a text input field; 'Current MAC Address:' with a text input field; and 'New MAC Address:' with a text input field. Below the form is a 'Submit Request' button. At the bottom of the form, there is a note: 'Color indicates required field.' At the bottom of the page, there is a note: 'You are now in Administrative Mode. Return to [main\\_menu](#) or [main\\_admin\\_menu](#). Please remember to [Log Off](#) when done.'

Enter the new mac address and submit.

**Note:** The new mac/device being reserved cannot be on the network until the reservation has been completed. If the device is holding a leased address on the subnet for the reservation, the lease will not change to the reserved IP. In this situation, you will need to contact the Dhcpmaster.

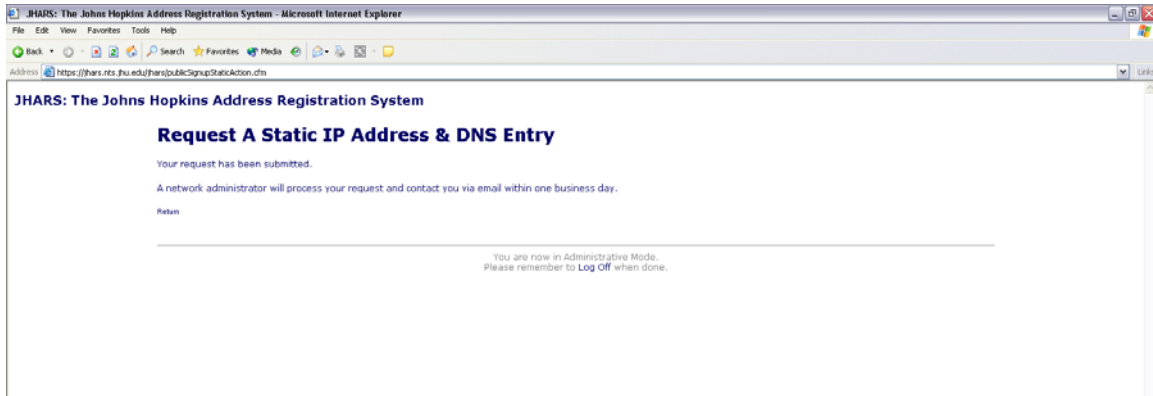
## Option 4: Modify a Reservation (same as above)

## Option 5: Request a Static IP

Step 4: Fill out the IP request form. All fields in **RED**, are required fields.

Step 5: Click “Submit Request”.

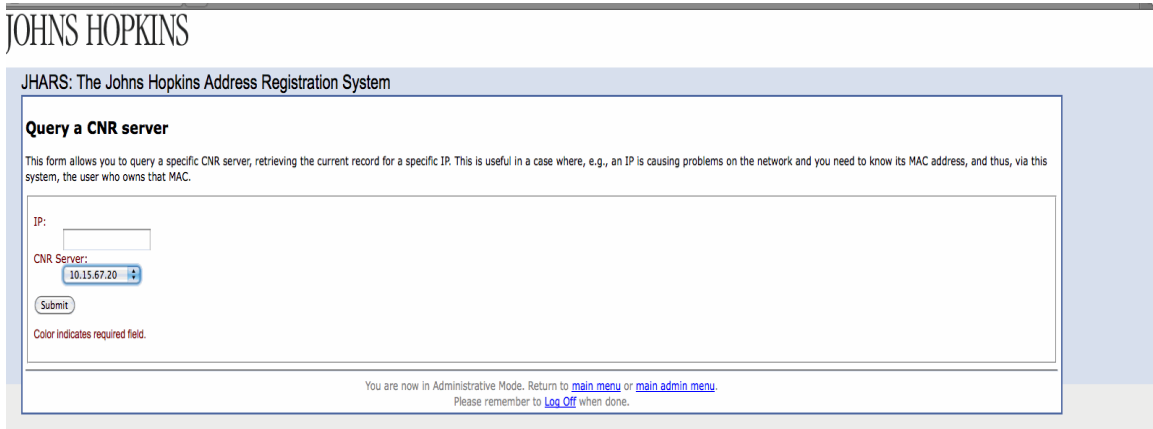




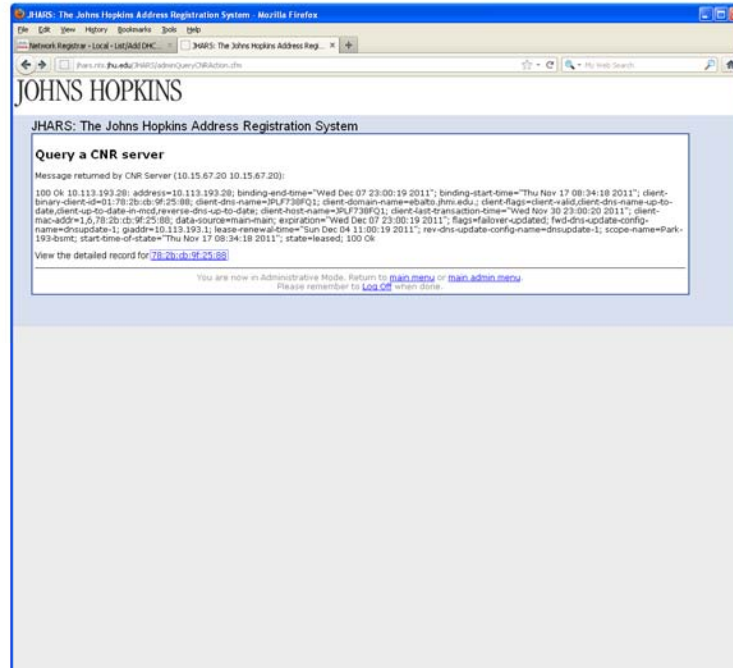
There is a 48-hour turnaround time for obtaining static IP addresses. The IP address & other network configuration settings will be sent to you via e-mail to the e-mail address listed in JHED. Should the request be denied, you will also be sent an email stating the reason(s).

A list of the DMZ scopes and their locations are available on the submission page.

### Option 6: Query a CNR server



Enter the IP address to search on.  
Select the CNR server from the drop-down box and click Submit.



If the IP is holding a lease, the information will be displayed. To view the information for the mac address (owner; location etc.) click on the mac address highlighted at the bottom of the screen.

## Option 7: Register mac addresses (bulk)



Select the CNR Server from the drop-down box.

Select the CNR Class Name “activated” from the drop-down box.

Enter the mac address(s), one per line using a “:” between each octet. If a device name is needed, enter this after the mac address with one space in-between.

Due to restrictions, a maximum of 50 devices should be entered at one time.