

Server Reservation Page Manual

FAST Lab

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Access Levels

Member Invitation

- Invite members in “Manage Group Members” section.
- You can login only with the invited google accounts.

Group Members Management

Invite New Member

Email Address:

Add User

User Type:

Normal User

▼

Admin: Can manage members and has full system access.
Normal: Regular user with standard permissions.
Guest: Limited access user.

FAST Lab User Login (use your illinois netID)

 Sign in with Google

Only authorized members can log in to this system.
Please contact an administrator if you need access.


Access Levels

- Admin: Professor, page managers
 - Anyone can volunteer to contribute to the page!
- Normal: Graduate students
- Guest: Undergrads, external collaborators, artifact evaluation
- Members can invite other with equal or less than their own access levels.


Server Managements


Server Information

- Expand the server card to see more information
- Passwords are only shown to members with normal+ access level
- Click on devices button to see more information of the device
- Reach the owner for missing information

ICX  hnpark2 ● On -

CPU: ICX
IP: 192.17.103.88

Sudo Username: icx
Sudo Password: • • • • • • • • 

BMC IP: 192.17.103.90
BMC Username: admin
BMC Password: • • • • • • • • 

Ubuntu Version: 20.04.1

Note:
DDIO disabled on BIOS settings

Attached Devices:

BF2-11 Xilinx Versal VCK190 - #02

Edit

Reserve

System Specs

Adding and Editing Servers (Normal+)

- Add/Edit your own servers
- Request managers for additional fields that you want
- Note are used to provide useful links or important BIOS settings

Server Name *

CPU Type *

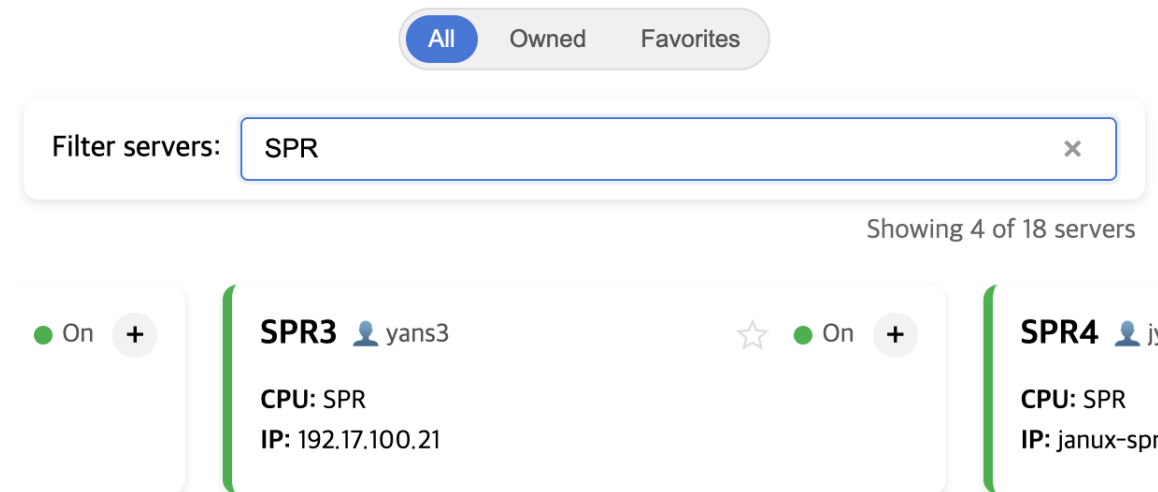
IP Address *

Owner *

Status

Browsing Servers


- Click on the toggle to filter all / own / favorite servers
- Set favorite servers by clicking the "star" icon on the cards
- Filter by Server name, CPU type, and Attached devices



Device Managements

Device Information

- Expand the device card to see more information
- Click on server button to see more information of the server
- Passwords are only shown to members with normal+ access level
- Reach the owner for missing information

Xilinx Virtex UltraScale+...  jiaqil6 Used 

Attached to: Janux-06 FPGA

Users: yangz15, bikrant2

Location: B18, Janux-06

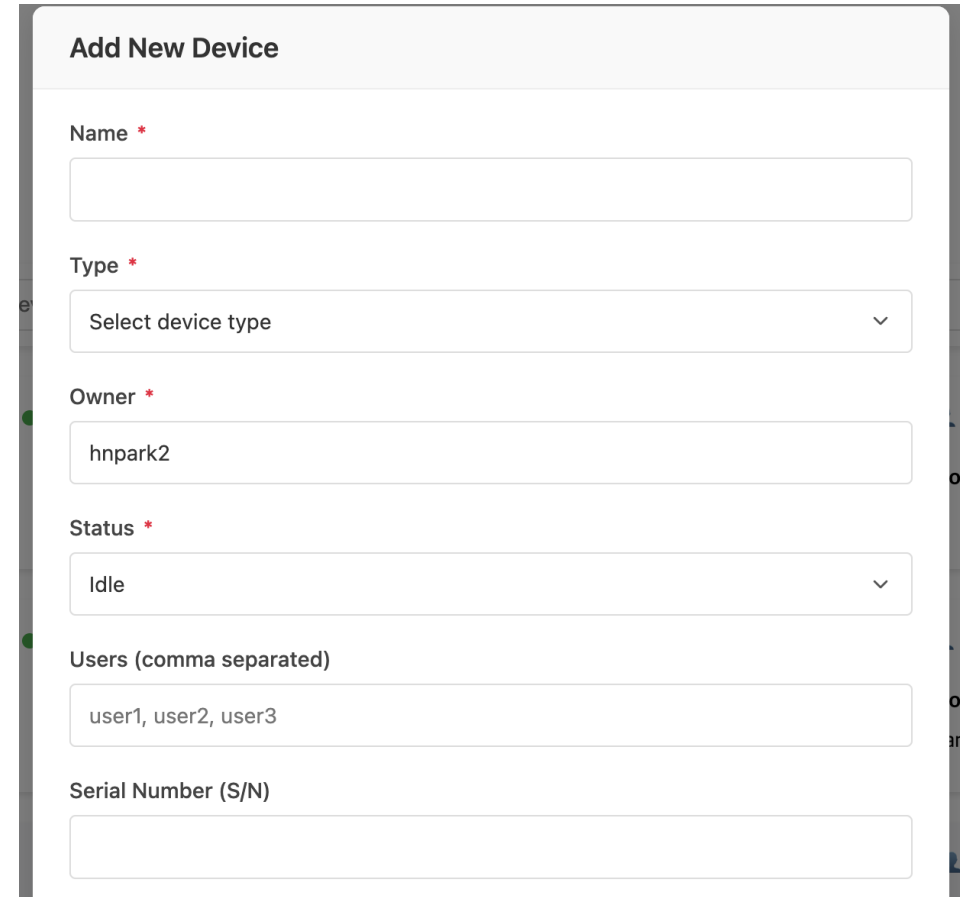
Notes:

This FPGA is owned by the department.

Edit Reserve Device Details

Adding and Editing Devices (Normal+)

- Add/Edit your own devices
- Request managers for additional fields that you want
- Note are used to provide useful links or important dependencies



The screenshot shows a web form titled "Add New Device". It contains several input fields with red asterisks indicating required fields:

- Name ***: A text input field.
- Type ***: A dropdown menu with the text "Select device type" and a downward arrow.
- Owner ***: A text input field containing the text "hnpark2".
- Status ***: A dropdown menu with the text "Idle" and a downward arrow.
- Users (comma separated)**: A text input field containing the text "user1, user2, user3".
- Serial Number (S/N)**: A text input field.

Browsing Devices

- Click on the toggle to filter all / owned / used device
- Click on the toggle to filter by device types
- Filter by device name/type, status, and attached server name

The screenshot displays a web interface for browsing devices. At the top, there are two rows of toggle buttons. The first row contains 'All', 'Owned', and 'Used', with 'Used' selected. The second row contains 'All', 'NIC' (selected), 'SSD', 'FPGA', 'GPU', 'CXL(FPGA)', and 'CXL(ASIC)'. Below these is a search bar labeled 'Filter devices:' containing the text 'BF2'. To the right of the search bar, it says 'Showing 2 of 27 devices'. Below the search bar, there is a list of devices. The first device is partially visible on the left, showing a green dot, 'Used', and a '+' icon. The second device is 'BF2-9' by 'srikarv2', also with a green dot, 'Used', and a '+' icon. It is 'Attached to: Bigserver' and has 'Users: hnpark2'. A blue 'NIC' button is visible next to the device details.

All Owned **Used**

All **NIC** SSD FPGA GPU CXL(FPGA) CXL(ASIC)

Filter devices: BF2

Showing 2 of 27 devices

2 Used +

X

BF2-9 srikarv2 Used +

Attached to: Bigserver

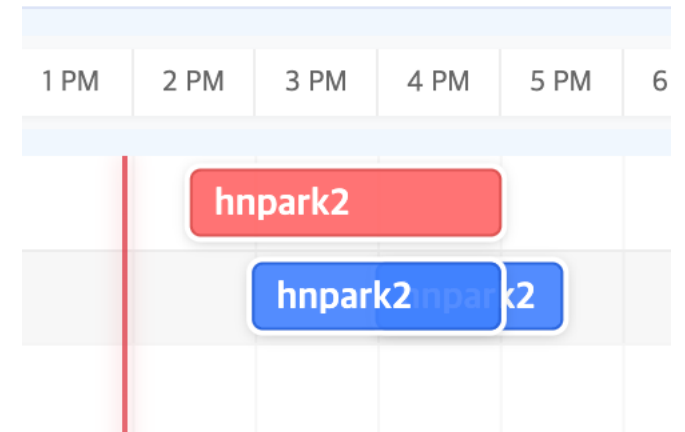
Users: hnpark2

NIC

Server Reservation

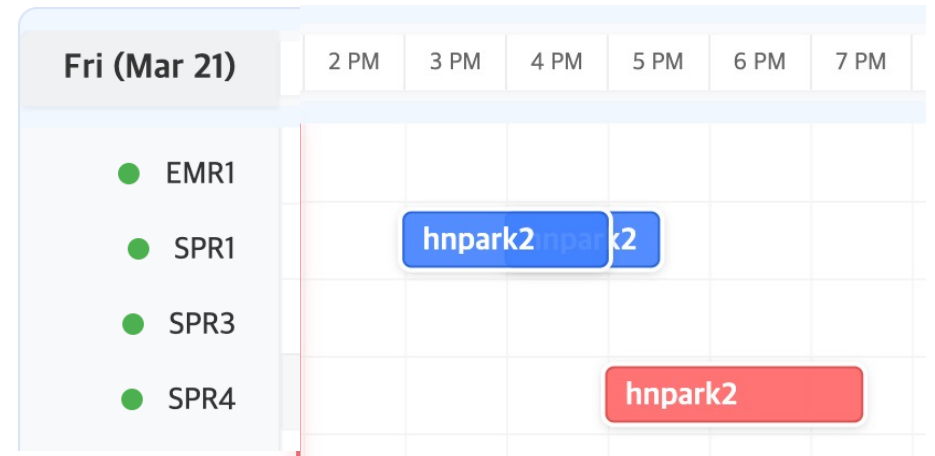
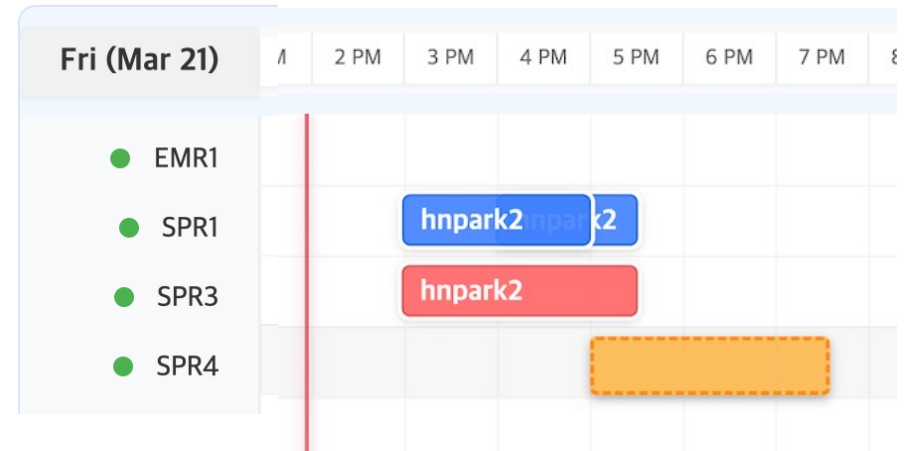
Creating a Reservation

- Click on the + button
- Drag on the calendar (30 min snap)
- Set the urgency, system will check the conflict
 - Blue – open to co-run
 - Red - exclusive



Editing a Reservation

- Click on the reservation
- Only the user can edit the reservation
- Drage the reservation to change the server or schedule



Browsing Reservations

- Filter by server name, CPU type, and attached device
- Click on the "star" icon to filter your favorite servers

[illegible]

Miscellaneous

Bug Report

- The page is not complete
- Please report any bugs or suggestions
- Click on “Bug report” at home

Report a Bug

Title *

Page *

Priority

Description *

Submit BugCancel

Notices

- You can see important announcements here (WIP)
 - Server repair status
 - Links to previous excel sheets
- Also, you can track the bug reports here

Notices

Announcements

No announcements at this time.

Bug Fix Tracking

☐ Some fields don't show up

NIC fields (sudouser/password, etc) won't show up

Reported by: hnpark2

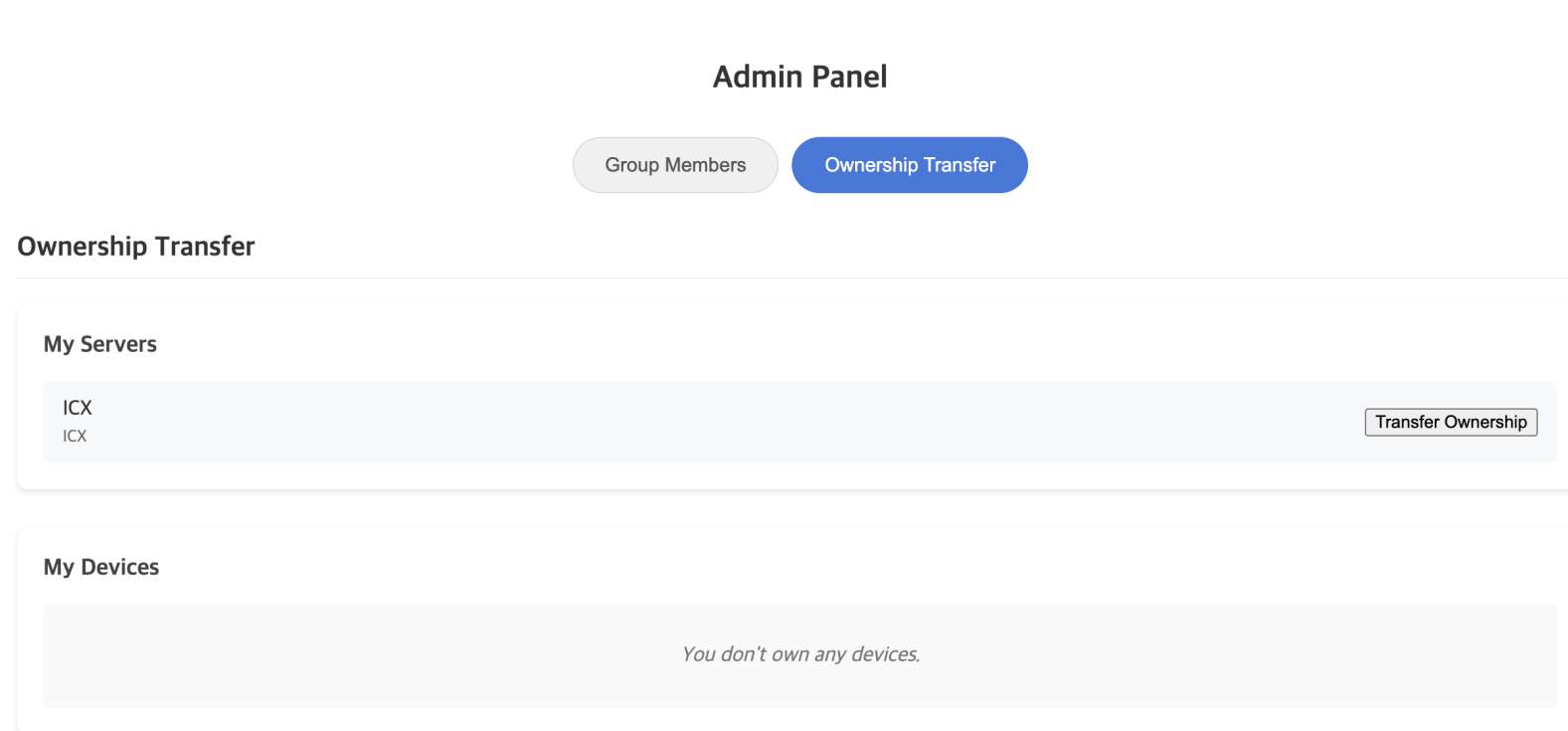
high [Device List](#)

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 Remove

Ownership Transfer

- You can transfer ownership of server/devices that you own



Shortcuts

- Homepage offers several shortcuts
- Filtered servers and devices
- Your recent reservations

