

Expand and extend -- adding new space to Server (new HDDs)

Insert new HDDs. You will see NEW HDDs as unassigned Drive.

Select the logical drive – EXPAND option.

The screenshot displays the HP Array Configuration Utility (ACU) interface within a Microsoft Internet Explorer browser window. The browser address bar shows the URL: `irc: DL320S - HP iLO 2 Integrated Remote Console - Microsoft Internet Explorer provided by Hewlett-Packard`. The ACU window title is `Array Configuration Utility - Mic...`. The main interface is titled `Configure Available Device(s)` and features the following components:

- Select Controller:** A sidebar on the left showing `Smart Array E500 in Slot 1` and `Smart Array P800 in Slot 2`. A `Rescan Controllers` button is located below the list.
- Configuration View:** The central pane displays the configuration for `Smart Array P800 in Slot 2`. It lists several unassigned drives:
 - 72 GB SAS Unassigned Drive at Port 1E : Box 1 : Bay 1
 - 72 GB SAS Unassigned Drive at Port 1E : Box 1 : Bay 2
 - 72 GB SAS Unassigned Drive at Port 1E : Box 1 : Bay 3
 - 80.0 GB SATA Unassigned Drive at Port 1E : Box 1 : Bay 4
 - 80.0 GB SATA Unassigned Drive at Port 1E : Box 1 : Bay 5
 - 80.0 GB SATA Unassigned Drive at Port 1E : Box 1 : Bay 6
 - 72 GB SAS Unassigned Drive at Port 1E : Box 2 : Bay 1
 - 72 GB SAS Unassigned Drive at Port 1E : Box 2 : Bay 2
 - 72 GB SAS Unassigned Drive at Port 1E : Box 2 : Bay 3
 - 80.0 GB SATA Unassigned Drive at Port 1E : Box 2 : Bay 4Below these, it shows `SAS Array A` containing `Logical Drive 1 (69973 MB, RAID 0)`.
- Common Tasks:** A panel on the right with a red stop icon and the `Expand Array` button. Other options include `Delete` and `More Information`.
- Controller State:** A panel with a `Refresh` button.
- Wizards:** A panel with `Express Configuration` and `Configuration Wizards` buttons.

An `Exit ACU` button is located at the bottom left of the utility window.

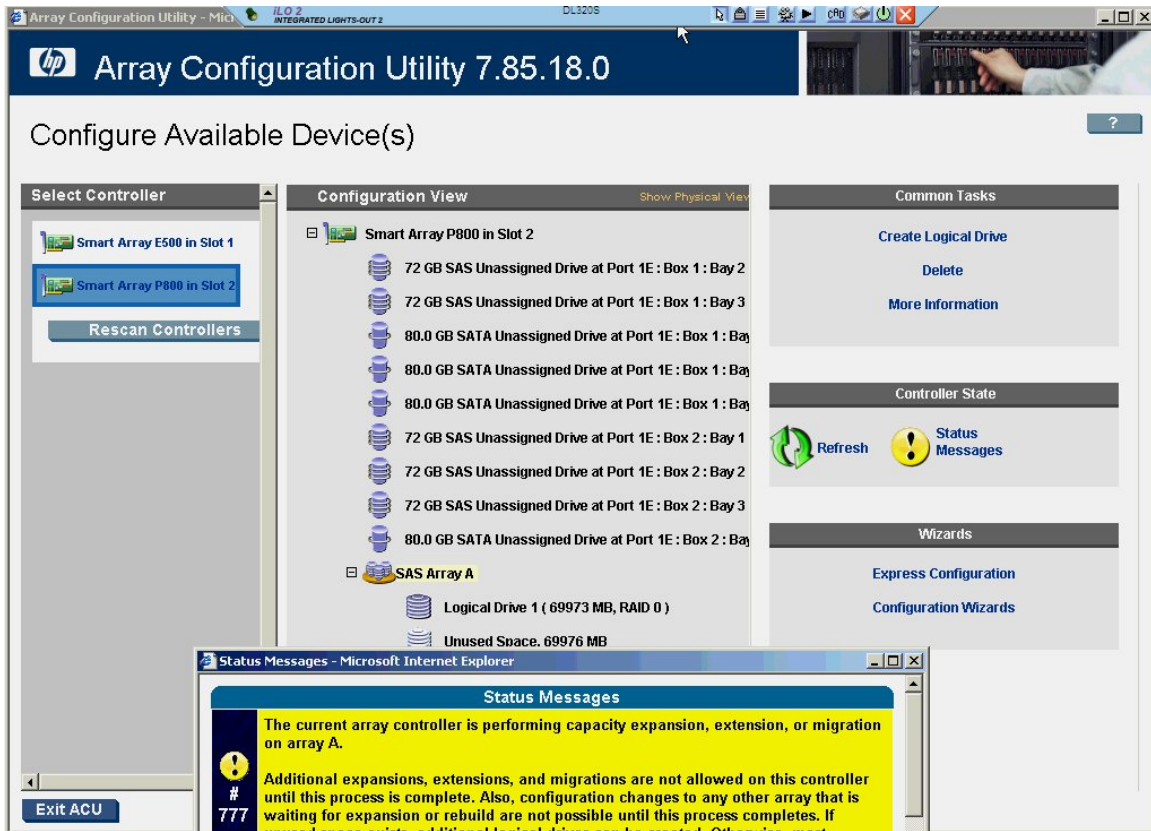
Select the HDD(s) to expand

The screenshot shows the HP Array Configuration Utility 7.85.18.0 interface. The main window is titled "Configure Available Device(s)". On the left, the "Select Controller" pane shows "Smart Array P800 in Slot 2" selected. The "Configuration View" pane shows a tree structure with "Smart Array P800 in Slot 2" expanded, listing various drives: "72 GB SAS Unassigned Drive at Port 1E : Box 1 : Bay 1" through "80.0 GB SATA Unassigned Drive at Port 1E : Box 2 : Bay 3", and "SAS Array A" containing "Logical Drive 1 (69973 MB, RAID 0)". On the right, the "Expand Array" dialog box is open, displaying a note: "Note: To avoid wasting drive capacity, select physical drives that are the same size as the existing physical drives in the array." Below the note is a section titled "Select the Physical Drives to Add to the Array" with a "Select All" checkbox and a list of drives. The drive "72 GB Drive at Port 1E : Box 1 : Bay 1" is checked. "OK" and "Cancel" buttons are at the bottom of the dialog.

Save changes

The screenshot shows the HP Array Configuration Utility 7.85.18.0 interface. The main window is titled "Configure Available Device(s)". The "Configuration View" pane is the same as in the previous screenshot. On the right, the "Common Tasks" pane is active, showing buttons for "Create Logical Drive", "Expand Array", "Delete", and "More Information". Below this is the "Controller State" section with "Discard Changes" and "Save" buttons. At the bottom is the "Wizards" section with "Express Configuration" and "Configuration Wizards" buttons.

EXPAND PROCESS taking some time



Checking expand %%% process
Select logical drive and click more information

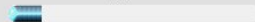
IRC: DL320S - HP iLO 2 Integrated Remote Console - Microsoft Internet Explorer provided by Hewlett-Packard

Array Configuration Utility 7.85.18.0

More Information for Logical Drive 1 - Microsoft Internet Explorer

Logical Drive 1	
Controller	Smart Array P800
Bus Interface	PCI Express
Controller Location	Slot 2
Array	A
Array Type	SAS

Percentage of Expansion Completed For: Logical Drive 1

0%  7% 100%

Physical View

- Box 1 : Bay 2
- Box 1 : Bay 3
- Box 1 : Bay 1
- Box 1 : Bay 2
- Box 2 : Bay 1
- Box 2 : Bay 2

72 GB SAS Unassigned Drive at Port 1E : Box 2 : Bay 3

80.0 GB SATA Unassigned Drive at Port 1E : Box 2 : Bay 1

SAS Array A

- Logical Drive 1 (69973 MB, RAID 0)
- Unused Space, 69976 MB

Common Tasks

- Delete
- More Information

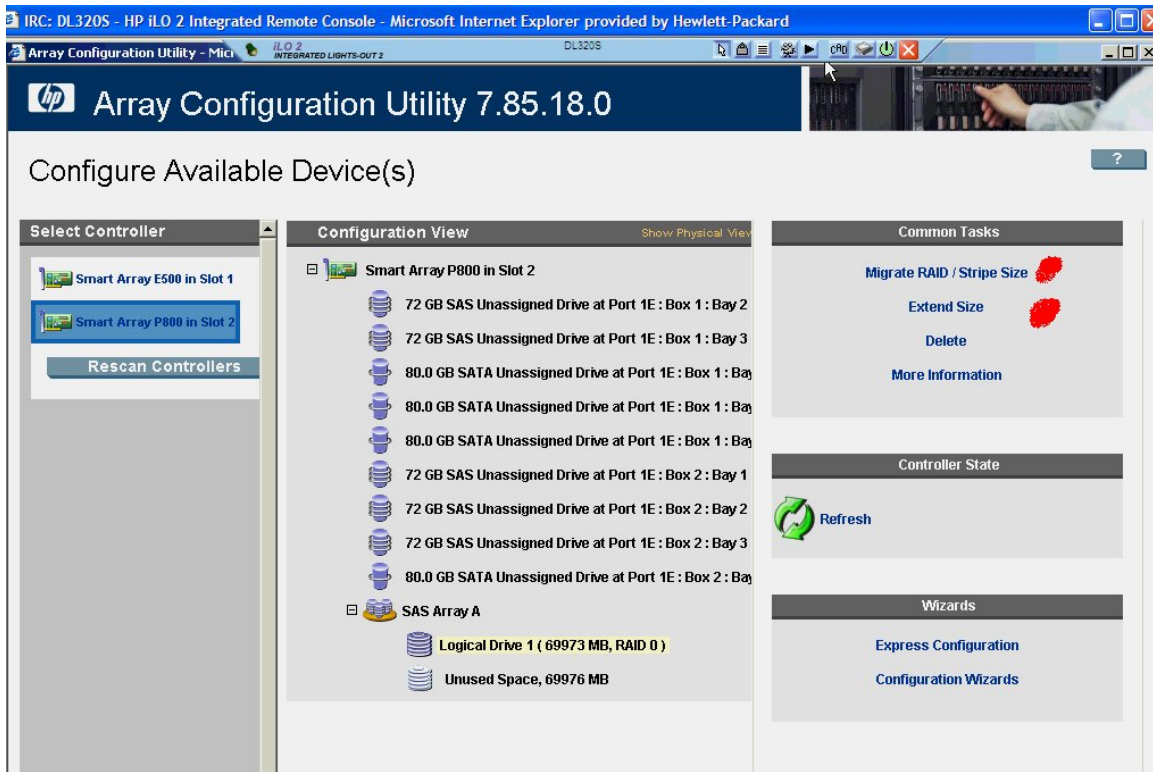
Controller State

- Refresh
- Status Messages

Wizards

- Express Configuration
- Configuration Wizards

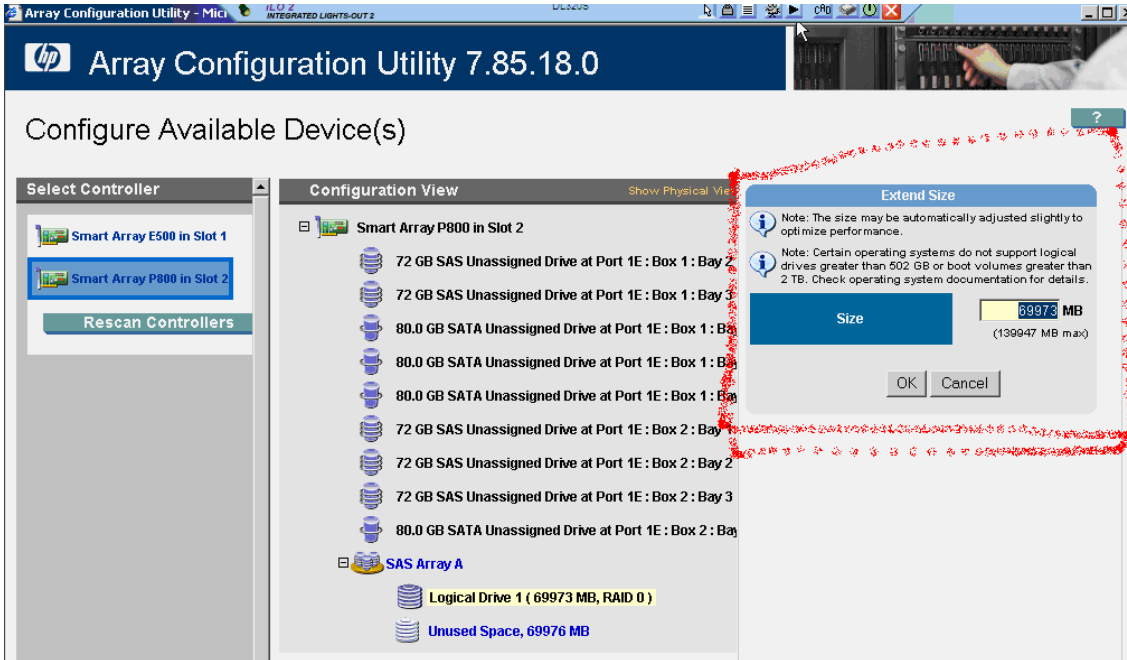
Once expand is finished – you can migrate - extend size or new logical drive (if you select the ARRAY A in this case)



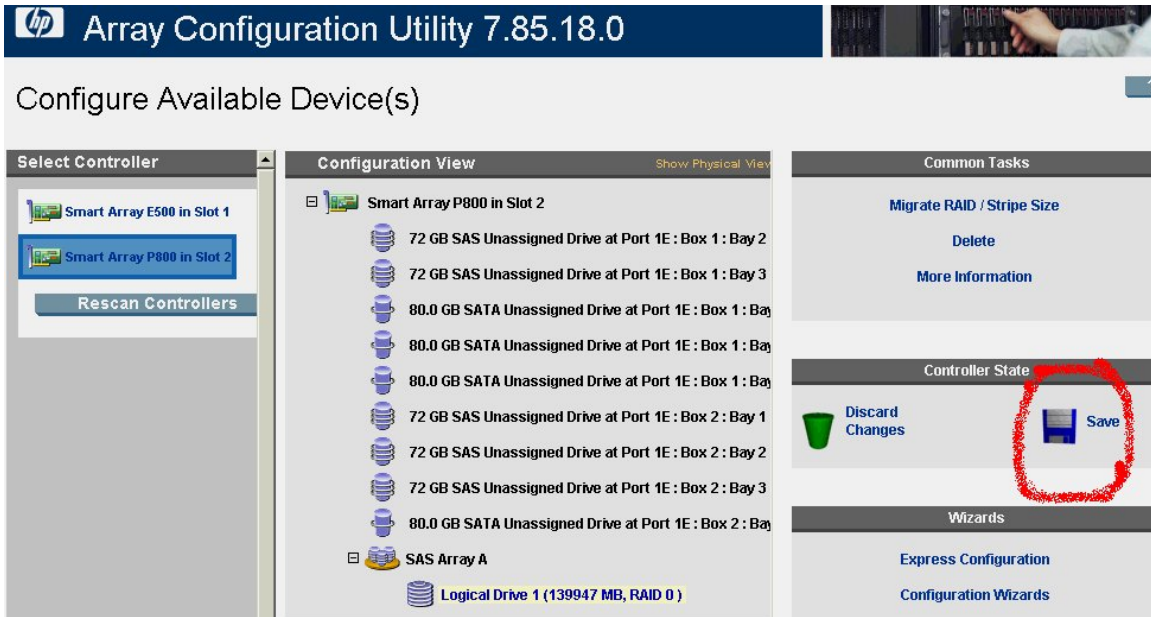
EXTEND PROCESS

Also that new HDD can be used to create a new logical drive, the normal procedure using extend is adding space to the existing logical drive

Select Maximum size as it says below the box



Save and wait until extend process finishes



After Save.

More Information to check extend % % % %.

After some time, you're going to get unused space in Disk Management. So use an utility to expand that space. It can be diskpart (for not C: partition) or any other partition tool.

