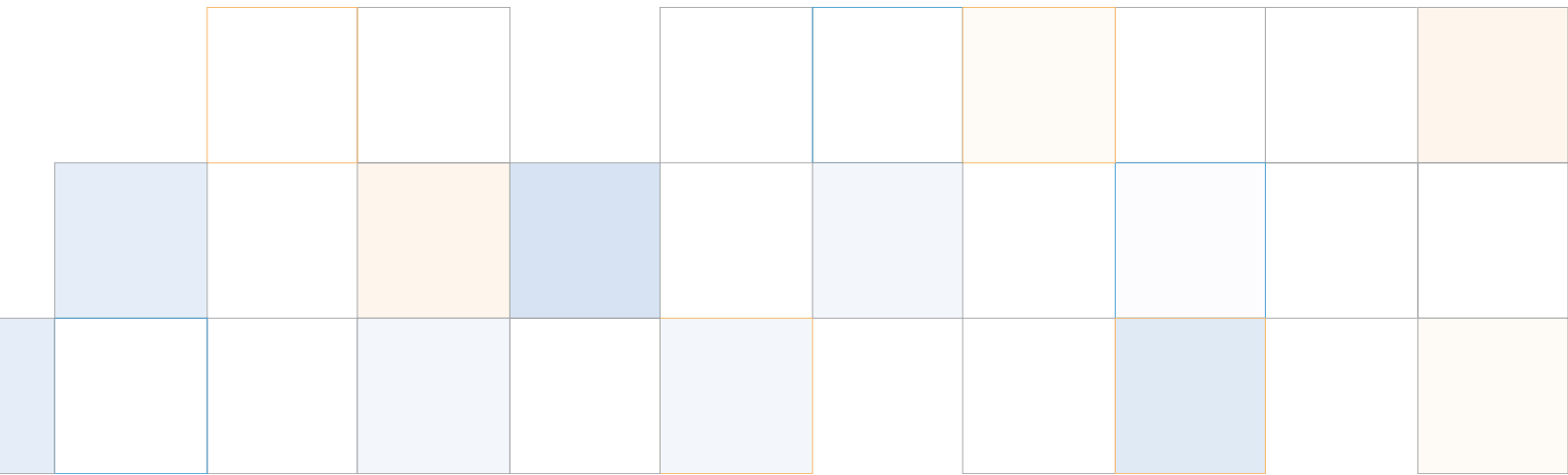


tech tips



Extend a File System in HP-UX that is a VXFS file system

1. Preparation

You will need to know the logical volume that the file system is contained in.

```
#bdf <file system>
```

The logical volume will look like `/dev/vgsap/sapdata4lv`

You Will then need to check the amount of free space on the volume group.

```
#vgdisplay vgasp
```

Now you will know how much space you can extend by.

2. VXFS

A VXFS file-system cannot be extended while in use. So we need to change to single user mode. This will log out other users and dismount non-essential file systems.

Run the command below to switch to single user mode.

```
# Shutdown 30
```

3. Extending Logical Volume

You can use SAM if `/sbin` is mounted. Or you can use the below commands to extend the file system.

The number below is the total space for the logical volume. So you will need to make the calculation below

Original Space + space wanting to add so (62000MB + 464MB = 62464MB)

Using the Size in MB

```
# lvextend -L 62464 /dev/vgsap/sapdata4lv
```

4. Extending File System

NOTE: The partition has to be un mounted, so there should be no process accessing the partition (db, application, even user in the current directory, etc...)

```
# umount /dev/vgsap/sapdata4lv or umount /oracle/PDB/sapdata4
```

```
# extendfs -F vxfs /dev/vgsap/rsapdata4lv (<--take note of the "r" in front of the LV is needed when extending or creating FS.
```

```
# mount /dev/vgsap/sapdata4lv /oracle/PDB/sapdata4
```

Use `#bdf /oracle/PDB/sapdata4` to check the current size of the file system.

5. Return to normal run-level

The command below will load up the daemons ,mount files systems and etc.

```
#init 3
```