Cluster and HPC maintenance schedules

Regular maintenance of clusters requires downtime. A maintenance schedule can reduce surprises and not unnecessarily delay required maintenance.

See also

- For a snapshot inventory, and the costs to CCB if they were hosted elsewhere, see ChemIT's spreadsheet in <R:\Chem IT\Projects & Tracking>. The data and analysis is in spreadsheet, "Chem IT Support & Services", tab "Alternative server costs".
  - 1) CCB High Performance Computers (HPC)

Documentation for staff, in support of cluster maintenance

Cluster Maintenance SOP

This page includes a checklist for preparing any maintenance work, and a listing of the sequence of steps to take.

Templates of notification emails

- Communication timeline — Sequence of communications for cluster maintenance.
- Downtime warning email template — Page contains process and template text. Text is used two weeks before downtime, and again 24 hours before.
- Maintenance complete/delayed email template — One email will be sent to all group users about the completion of the work or delay of the downtime will be posted.

Specifics, per research group's cluster

(Table started November 2015)

Group	Maintenance Cycle	Next Scheduled Downtime	Following Scheduled Downtime	Default day and time of day	First warning email sent when	Second warning email sent when	Notes
Scheraga	1	Jun. 9, 2021	March 11, 2020	2rd Wednesday of the month 9:30am	2 weeks before	24 hours before	
Hoffmann	2	Jul. 20, 2021	Apr. 21, 2020	3nd Tuesday of the month 9:30am	2 weeks before	24 hours before	
Cluster2020	3	May. 4, 2021	May 5, 2020	1st Tuesday of the month 9:30am	2 weeks before	24 hours before	
Eldor (Freed)	3	May. 13, 2021	Feb. 13, 2020	2nd Thursday of the month 9:30am	2 weeks before	24 hours before	
Lancaster (w/ Crane) Crane Linux Workstations	3	May. 19, 2021	Feb. 19, 2020	3rd Wednesday of the month 9:30am	2 weeks before	24 hours before	
Petersen Independent Nodes							Will be moved to Germany