



nDemand

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Big rocks vs Little rocks

1. Discourse topic: <https://discourse.osc.edu/t/big-rocks-vs-little-rocks/693>
2. Bulk of the feedback we get from the community in the form of feature requests or bug fixes could be classified as "little rocks"
3. **Little rocks:** varying degree of impact on the rest of the community, typically small in scope to fix, but are not items on our proposed roadmap, and do not radically change the platform
4. Sources of feedback include Discourse, GitHub issues, PEARC, SC, webinars, surveys, etc.
5. "Big rocks" is a reference from Stephen Covey's "First Things First"

Examples of Little Rocks

1. Add optional title to "favorite paths" for the dashboard Files menu
2. Provide ability to disable/enable caching of form values for batch connect apps
3. Fixed copy and paste issues in the Shell app for Firefox
4. Fixed Time Used format for Active Jobs: In 1.5 the Time Used field in Active Jobs was the number of seconds elapsed as an integer. In 1.6 this has been changed back to HH:MM:SS.
5. Work around the Slurm 18 bug where delimiters between gres and tres fields in squeue output were omitted
6. Optional Quota warnings on dashboard
7. Added VNC quality and compression controls
8. Changed nginx_stage to always remove stale PID files
9. Add ability to disable RewriteEngine in Apache config

Examples of Big Rocks that have been delayed:

1. Iconify launch interface, with user and domain specific dashboards
2. Authentication abstraction with SSL for backend proxy via Service Mesh
3. Better job management via a batch plugin to complement improved interactive app plugin
4. Pipelines, workflows, reproducibility with git
5. Completed Jobs app
6. New Files app

Examples of Big Rocks that have made progress:

1. LinuxHost Adapter
2. Kubernetes Adapter
3. XDMoD Integration

Current metric for how to determine whether to do a little rock now

1. How guilty do I feel that this feature isn't already in or this bug isn't already fixed?

New metric for little rocks – a new workflow

- Estimated time to implement
 - day, week, month?
 - maybe dependencies (other features/bugs that must be fixed first)
- Area of impact
 - affects only sites using Lustre
 - affects only sites using pam_mkhome
 - affects all Slurm sites
 - affects all OnDemand users
- Severity
 - the walltime is displayed in an odd format
 - this only affects users of the Job Composer using srun in their job scripts
 - the dashboard crashes and there is no workaround
 - this prevents me from installing OnDemand at our center

New metric for little rocks – a new workflow

- Based on Estimated time to implement, Area of impact, Severity, we either
 - fix it now
 - add it to a list of candidates to be included in a release after the current planned release, subject to review by the Advisory board with acknowledgement that work on these items may displace a “big rock” item