MODERNIZING UNIFIED: RESUBMISSIONS & ASSIGNMENT OF WORKFLOWS

IRIS-HEP SUMMER FELLOWSHIP

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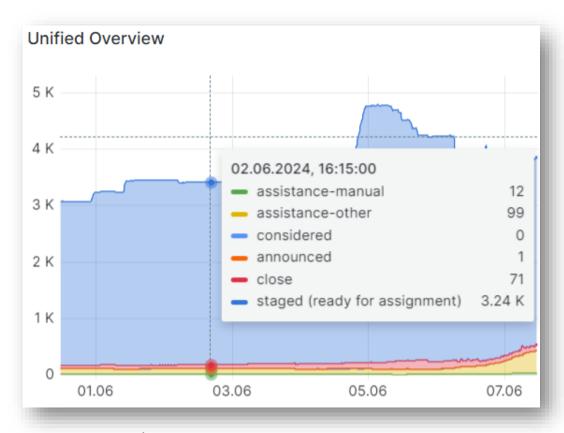








- Manage data processing and reprocessing workflows.
- Ensure efficient job execution and recovery from failures.
- Monitor job performance and troubleshoot issues.
- Optimize resource usage across the GRID.



P&R's team dashboard graph example



ABOUT UNIFIED





WORKFLOW

Original data

Mini

Nano

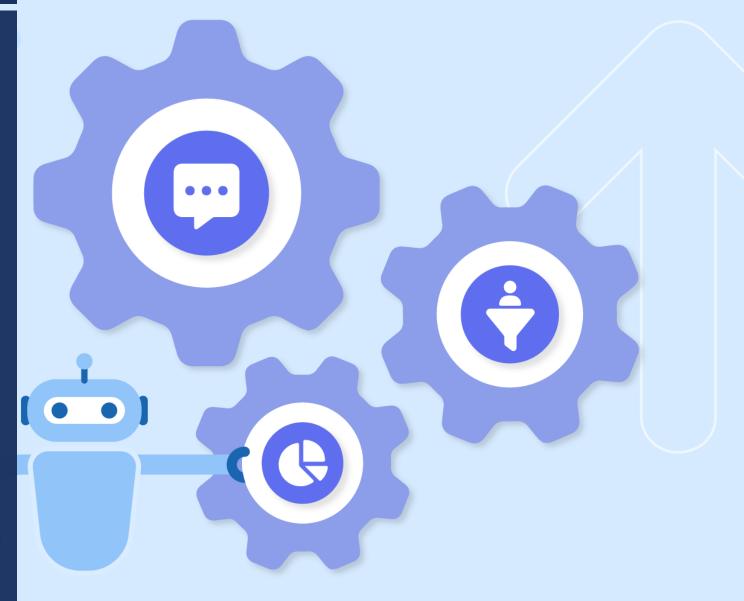
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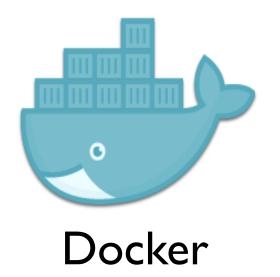
AUTOMATION

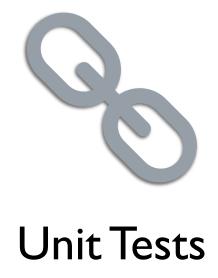
- Collect statistics on the parameters that are usually successful for specific error codes
- Develop a tool to automate resubmissions with minimal human intervention
- Implement smart decisionmaking to select the best resubmission parameters
- Aim to increase the success rate of resubmitted tasks











MODERN SOFTWARE DEVELOPMENT PRACTICES





THANK YOU FOR YOUR ATTENTION

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