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FirecREST: a RESTful API to HPC Systems

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As science gateways are becoming an increasingly popular digital interface for scientific communities, it is important for High-Performance Computing centers to provide a modern and externally accessible interface such as Web-enabled APIs. Such interface provides access to HPC center resources to allow scientific web portals to submit jobs or move data in and out the HPC center. This work presents the FirecREST API, a RESTful Web API infrastructure that allows scientific communities to access the various integrated resources and services available on HPC systems.

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