red cloud

VIRTUAL SERVERS & STORAGE ON-DEMAND

- Red Cloud is an Infrastructure as a Service cloud operated by the Cornell Center for Advanced Computing (CAC). Red Cloud subscriptions are available to external organizations (start-ups, business and industry, universities, R&D centers, not-for-profits, etc.) through fee-based CAC Partner Program memberships.

- Subscriptions cover 1-core year of virtual server usage. Persistent disk storage (volumes) backed by Ceph storage are available with more than 1.5 petabytes raw capacity. Your first subscription includes 50GB storage.

- Unlike public clouds, Red Cloud CPU cores and RAM are not oversubscribed or shared with other users. An Intel processor core is behind each core on the virtual server for fast and consistent performance.

- Users can request instances with up to 28 cores and 240GB RAM. Each instance is a Virtual Machine (VM) that deploys in seconds in the cloud. A variety of VM configurations are available.

- NVIDIA T4 GPU instances and V100 GPU instances are available.

- Users control access to their instances by port numbers and IP addresses for maximum flexibility and security.

- Red Cloud runs on the OpenStack cloud computing platform.

- Linux and Windows Server operating systems are available.

- MATLAB Parallel Server is available.

- Optional consulting hours may be included in your Partner Program membership to build a cloud image for you, containerize your application for portability, support your web-based application, architect a private cloud, etc.

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GPUs in Red Cloud
MATLAB Parallel Server in Red Cloud
CAC Partner Program

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