CloudIPStore: A Cloud SaaS Repository for your Intellectual Properties

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There are thousands of organizations and large corporates involved in research and product development , which generate a huge number of different varieties of intellectual properties (IPs). Once these organizations reach a certain level of maturity, it becomes very important to organize and categorize different IPs. In this paper, we describe CDAC CloudIPStore, which is a SaaS (Software as a Service) repository for the intellectual properties generated by an organization. This SaaS can be accessed through the Internet or the intranet, through a web-based graphical user interface. In the current version, it allows to store and index the patents, publications, software, trademarks and copyrights generated in the organization. Cloud IP Store allows storage, tracking, modifying, retrieving and searching of IPs. Role-based privileges for different categories of users are supported, that can be enabled or disabled. Multiple versions of Software IPs can coexist in the CloudIPStore as the SaaS offers a versioning mechanism/ version control feature

We believe that this software will be of immense use to organizations to build on their abilities and strengths. The OpenStack Swift-based cloud storage is provided in the backend. The cloud technologies employed in this SaaS enables the scalability of storage, increased availability, fault tolerance, and ubiquitous access from anywhere in the world, all of which are critical to efficient utilization of this tool to improve organization-level productivity.

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