

# A Hosted LDAP Solution

IT admins are conflicted. They love the concept of an LDAP-based authentication infrastructure, yet they hate the level of effort it takes to setup and maintain. For decades, admins have leveraged LDAP as the standard directory for \*NIX systems and applications (and even some using it for their Microsoft systems). However, they've struggled with the pain of connecting their users, devices, and applications together because of networking complexity, security concerns, poor usability, lack of cross-platform support and the migration of infrastructure to cloud-based managed hosting environments. Add in the pain of ensuring that your LDAP server is highly-available and connected to every device and application, and now you can understand why IT admins hate the maintenance and management of LDAP.

The cloud is changing the game for IT. Organizations are shifting their current infrastructure to live in the cloud, and seeking-out SaaS-based services to replace antiquated infrastructure, services, and applications they no longer need to manage on-premise. IT admins are off-loading the heavy-lifting of the on-going management of services to experts in each area, so their own core competencies and priorities can take center stage. No servers to host. No software to manage and update. No digging through code to figure out how to make critical systems and protocols like LDAP work, and keep working.

In the spirit of these major IT trends and movements to SaaS, JumpCloud is building the first directory-as-a-service solution — shifting what once was an on-premise application and securely transforming it to be a secure, cloud-based, and always-available solution. JumpCloud's hosted LDAP solution offers organizations a simple, efficient alternative to hosting and managing their own LDAP directory. JumpCloud is a single, central directory that can be leveraged across an entire enterprise by multiple

devices, applications, and users. Employees are populated into JumpCloud's central user store and all devices and applications can either point to JumpCloud's hosted LDAP server or leverage the JumpCloud agent for authentication and authorization. Additionally, JumpCloud's central web-based console provides a self-service portal to offload the on-boarding of new users including resetting passwords and keys.

If you are leveraging LDAP internally and are tired of managing and ensuring its uptime, availability and security, give JumpCloud a try. If you are looking to create a directory to connect your users, devices, and applications, JumpCloud's Directory-as-a-Service solution may be the right fit for you.

User directory services don't need to be complicated. Modern technologies like JumpCloud are developing to simplify old processes.

**Benefits:**

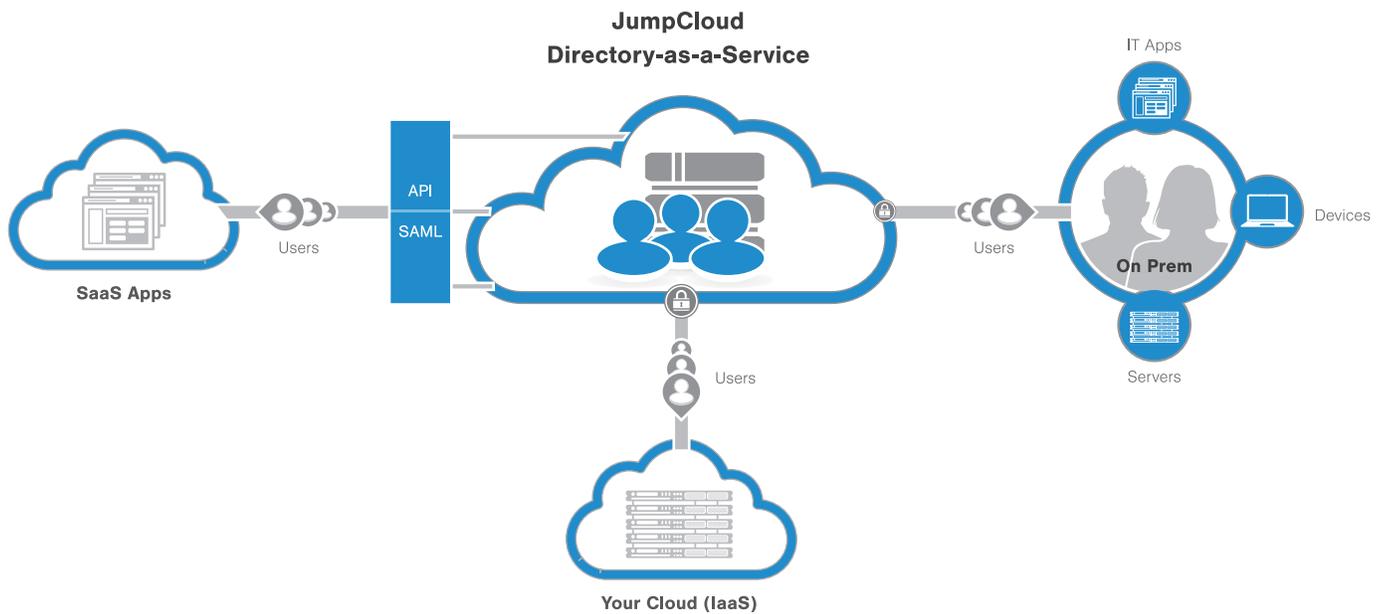
- Reduces management complexity and likelihood of errors
- Reduces capex and opex spend around OpenLDAP management
- No need to worry about maintenance, scaling, or securing the directory infrastructure
- Central control over Unix server/devices and technical applications

**Features:**

- Central console to manage access for users, devices, and applications
- Centralized or distributed authentication, use whichever best fits your application
- Supports Mac, Linux and Windows devices
- Supports applications that authenticate via LDAP
- Controls any machine remotely
- LDAP-based protocol support
- Agent-based support for survivability
- Management of SSH keys and password complexity / rotation
- Smartphone based multi-factor authentication
- Self-service password reset and key rotation
- Audit and compliance data on user accounts, logins, and activity
- Results available in the UI or via API
- JSON-based REST API

DIAGRAM DRAFT:

## How does DaaS work?



### About JumpCloud

JumpCloud®, the first Directory-as-a-Service (DaaS), is Active Directory® and LDAP reimagined. JumpCloud securely connects and manages employees, their devices and IT applications. Try JumpCloud's cloud-based directory free at [jumpcloud.com](https://jumpcloud.com).