

The Evolution of Directory Services

From on-premise roots to an all-cloud future

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Chief Product Officer
JumpCloud, Inc.

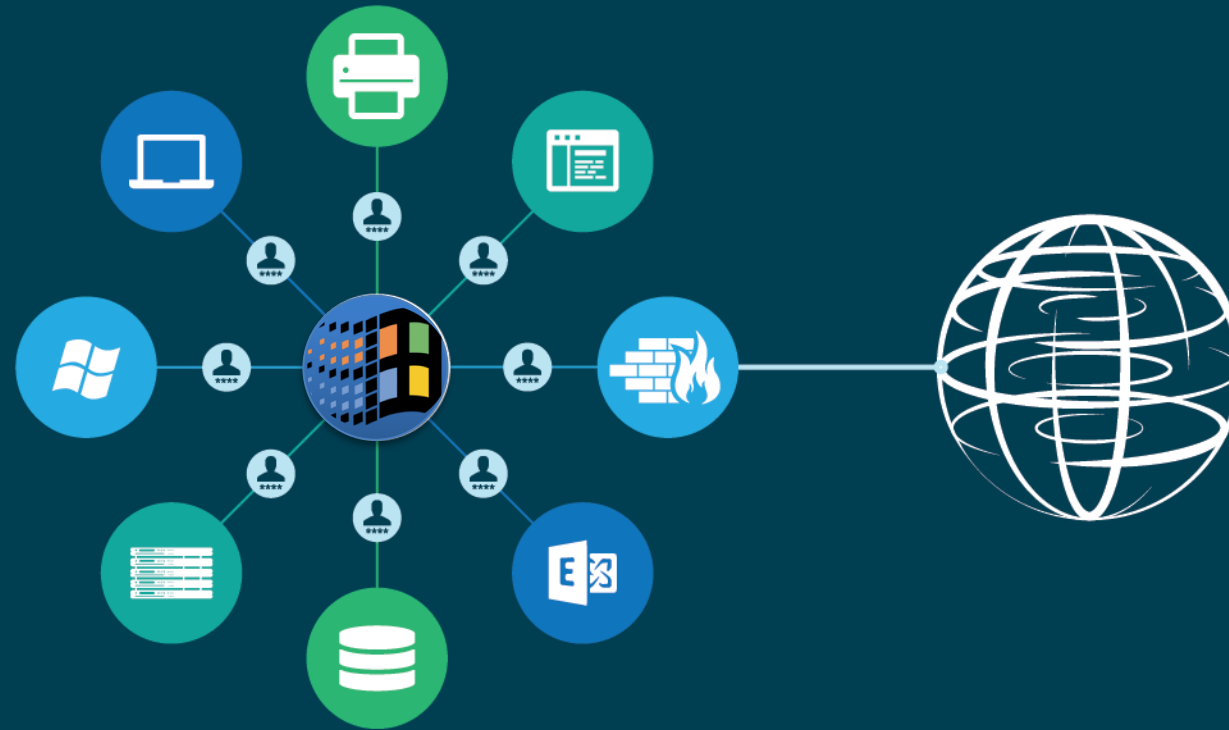


THE
UNIVERSITY
OF UTAH

First, some (recent) history.



17 years ago...



things were simple

Over the last decade



Challenges to traditional directory services

Current approach



Challenges



cloud



multiple
devices



remote
workers



security



money

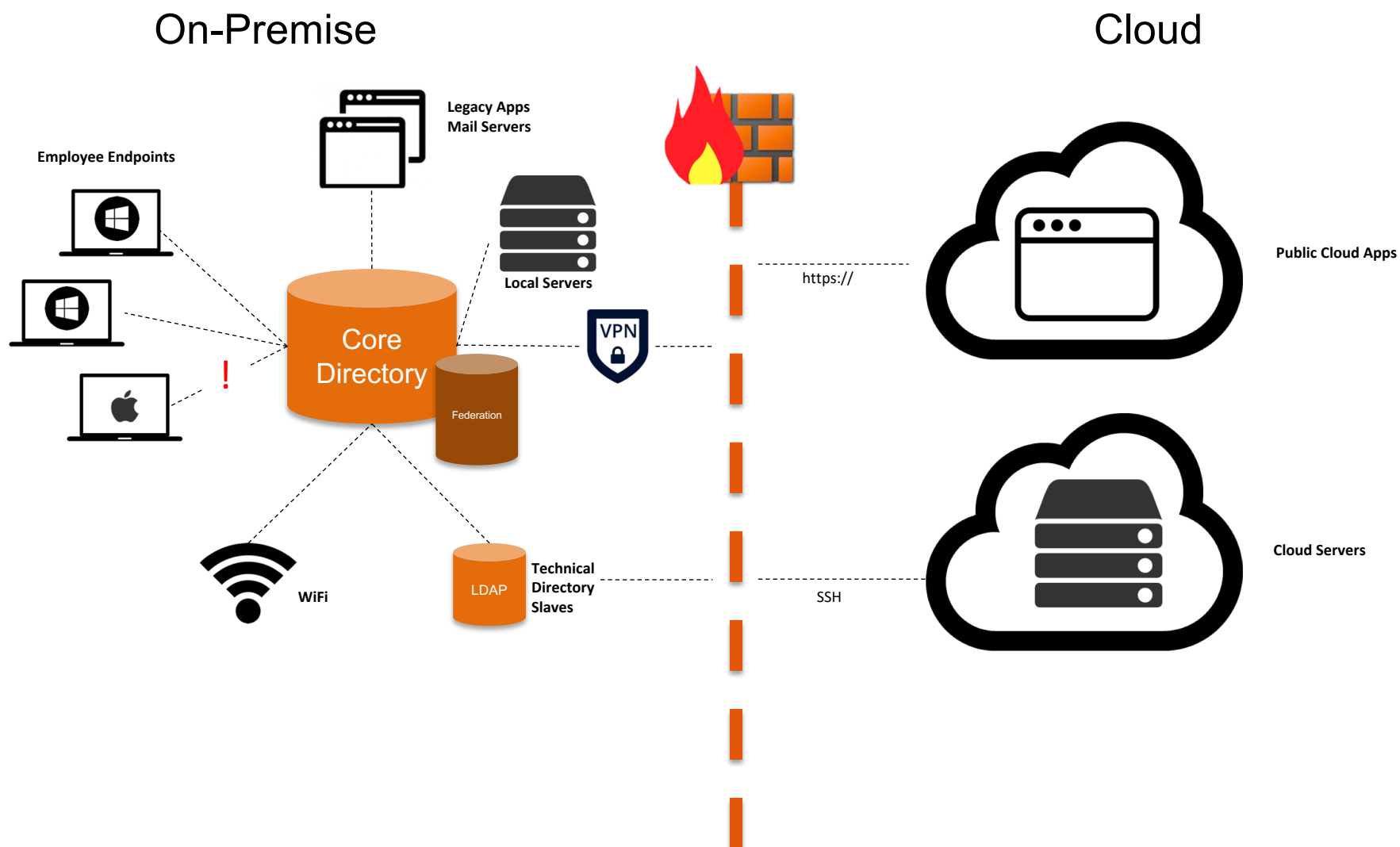
Directory services = core infrastructure for every company

“When I started looking into doing this, I was really surprised that there was almost no other option aside from MS-AD”

Steve Wickwire - Juntura Group Inc
Inbound Lead

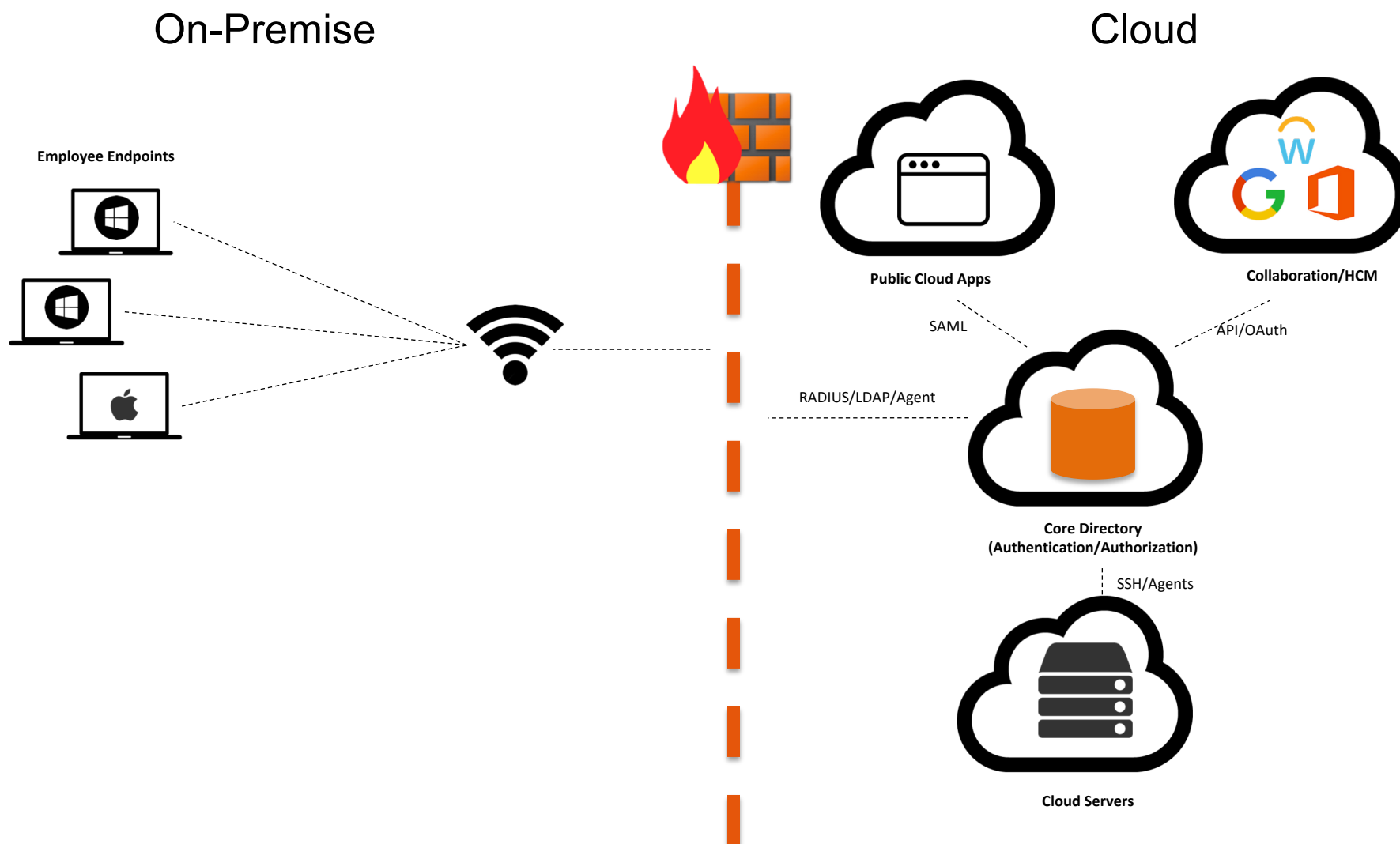
Environmental challenges

As-Is Environment

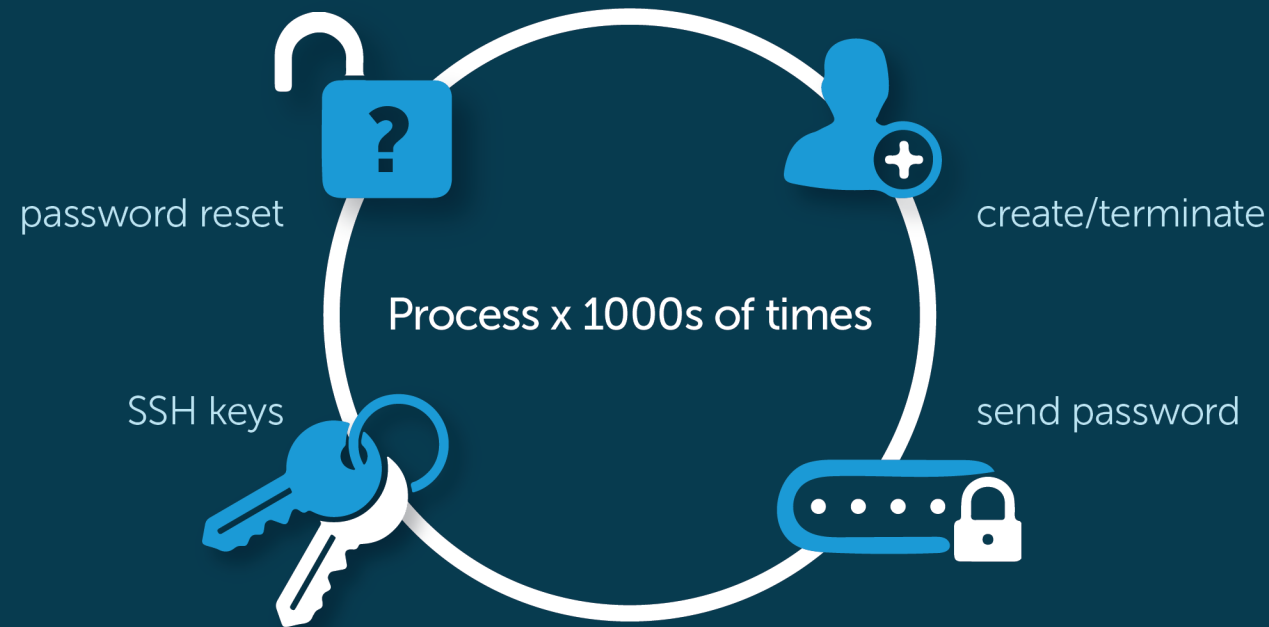


Environmental goals

Cloud-forward Environment



Manual user management is risky



Key takeaways

- Time consuming provisioning / de-provisioning
- Shared Accounts
- Insecure - password, key sharing, dormant accounts
- Third party access is problematic (e.g. Target breach)
- High risk - people-based vs. system

“Currently I have no AD infrastructure and I have no plan to roll out Microsoft AD! However, I do miss some of the benefits of central AD solution and I happen to come across your offering”

Neal Bresler - EduExcellence PRS
Inbound Lead



A platform overview

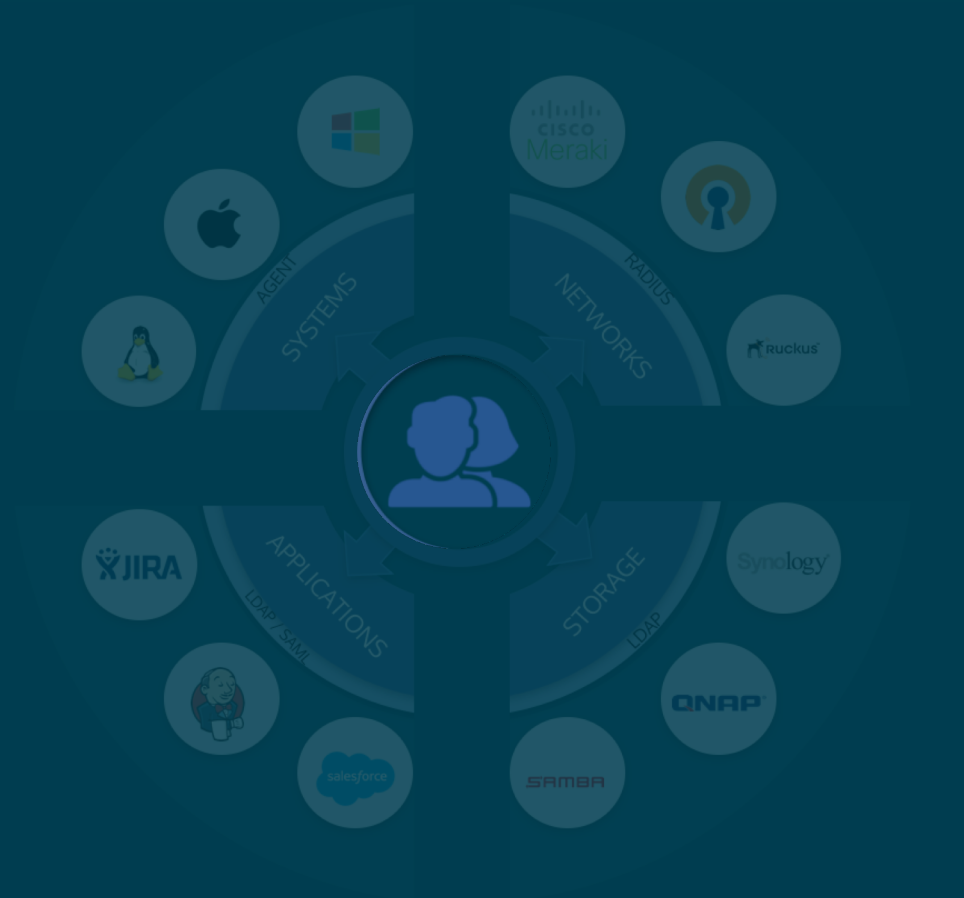
JumpCloud – The first cloud directory service.



JumpCloud connects employee identities to their system, apps, and networks.

- Centralized identity management
- Vendor neutral
- Cloud-based delivery
- Protocol driven
- Hyper secure

Centralized User Identity Management



Your users and their access to resources lies at the center of JumpCloud DaaS™

- Your identity 'source of truth'
- G Suite and Office 365 integration
- Automated import and export
- Simplified on-board/off-board
- Multi-factor protected
- End-user self service
- SSH key management

Cross-platform System Management



Let your employees choose the OS best for them. Don't let your directory dictate that choice.

- Linux, Mac and Windows compliant
- Native user account management
- Multi-factor Authentication support
- Remote management without VPN
- User access event logging
- Command/script execution
- API-enabled system management (auto-scaling)

Secure, User-Specific, Network Access



Stop sharing network SSIDs and passwords. Authenticate users uniquely with JumpCloud's network protocol support.

- Cloud-based RADIUS-as-a-Service
- WiFi and VPN device authentication
- Zero on premise servers
- Increase security via unique employee credential authentication
- Multiple device support: Windows, Mac, Linux and Mobile
- Group-based network access
- Highly secure - TLS encryption via EAP TTLS/PAP/PEAP and PAP

Secure Access Control to Storage



Securely control access to user's digital assets on common on premise storage servers such as Linux/Samba and NAS appliances.

- Support for Linux Samba enabled file servers or commercial NAS appliances.
- TLS/SSL LDAP authentication security enforcement.
- Workgroup and SID configuration support.
- Secure Samba Service LDAP binding accounts.
- Group-based authorization to Samba file servers.

Protocol-driven Application Support



From the latest SaaS services to legacy on-premise applications, JumpCloud's protocol-driven integration to your apps will ensure employee access every time.

- Single sign-on (SSO) via SAML 2.0
- Secure, group-based access
- 140+ application connectors
- Generic SAML 2.0 connector for custom apps
- Deep integration with Office 365 and G Suite (Google Apps)



A company overview





Why JumpCloud?

Connects users to broadest array of IT resources

- Choose what IT resources and OS's are best for your organization
- Reduce costs, time and increase IT efficiency
- Reduce employee friction

How JumpCloud delivers on the promise to centralize user access

- Multi-protocol support – different IT resources talk different protocols – JumpCloud speaks their language
- Multi-platform support – Mac, Linux, Windows, O365, GApps, AWS – choose whatever platforms are right for you

Cloud-delivery, high security, SaaS-based

- Zero servers. Zero management.
- Location agnostic – centrally control and manage users or IT resources regardless of location (cloud, on-premise or remote)



Who uses JumpCloud?

JumpCloud is ideal for cloud-forward, modern IT organizations:

- Heterogeneous environment (Mac, Linux, Windows)
- Leveraging Google Apps or Microsoft Office 365
- Cloud infrastructure such as AWS
- May have multiple locations, geographically diverse employee base
- Security conscious

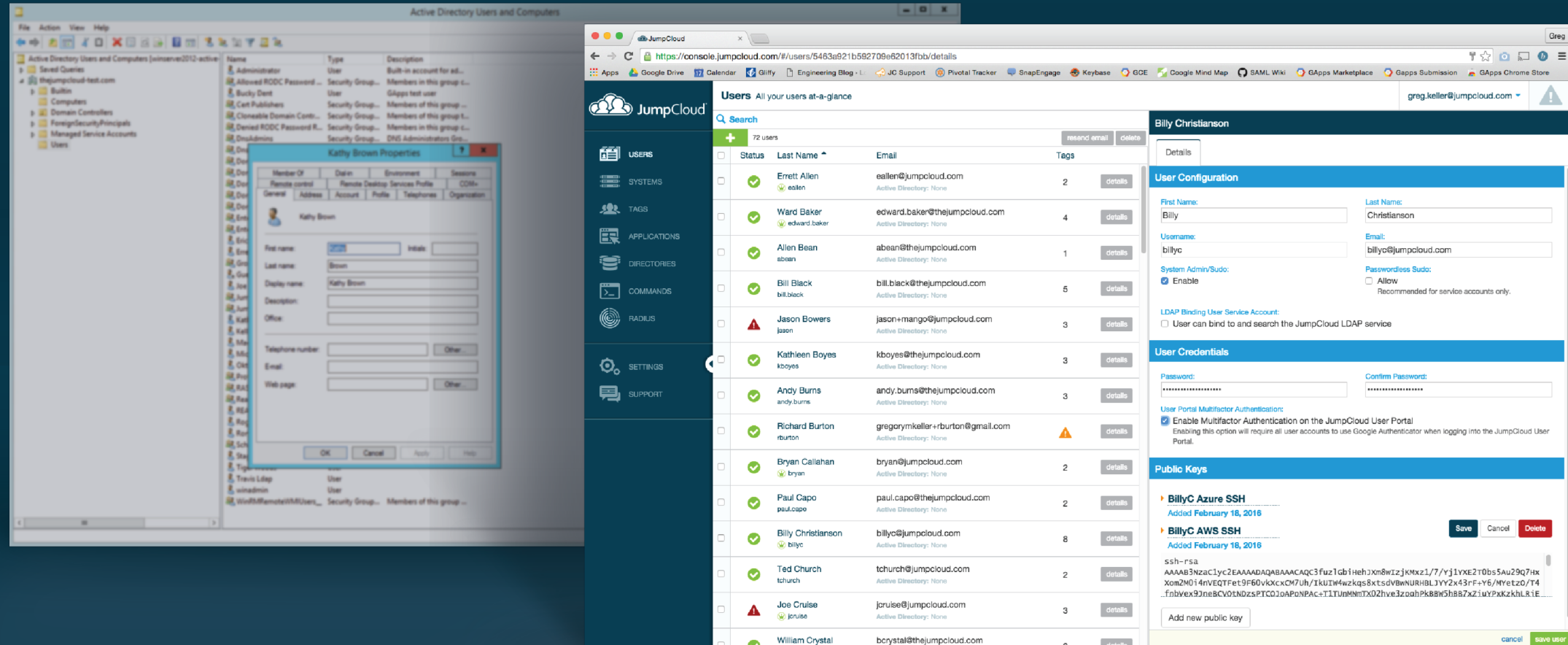
JumpCloud is not a fit for homogenous, Windows shops

- If you are 100% Microsoft Windows
- No intention of moving to the cloud
- Everything hosted behind the firewall, on-premises
- No remote workers/offices

Growing, global, customer base

One identity to rule them all®



“ Looking for a single (or close as close to it as possible) solution for integrating mac laptops, Google Apps for Business, AWS, and wi-fi/radius security. Currently handling with a combination of manual and multiple products ”

Joe Colucciello - Quartet Health
Inbound Lead



Let's see it!



Thank you!
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