



Advantages of Cloud-based IAM

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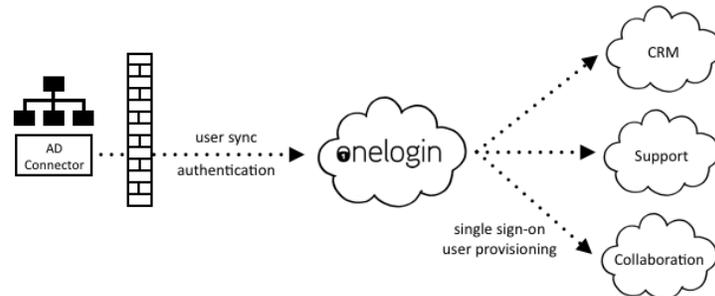
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Many organizations are concerned about deploying a cloud-based Identity and Access Management (IAM) solution because they fear it exposes sensitive information in ways on-premise solutions do not. This paper aims to address some of those concerns as well as highlight the advantages provided by cloud-based IAM solutions, such as OneLogin.

TYPICAL CONCERNS

IT organizations worry that cloud-based IAM solutions will result in sensitive Active Directory (AD) information being exposed outside the corporate firewall, which could be in violation of regulatory compliance requirements.



OneLogin is the most comprehensive turn-key IAM solution in the cloud:

- SAML single sign-on
- Multi-directory integration
- Multi-factor authentication
- Automated user provisioning
- Role-based access control
- VPN integration
- RADIUS interface
- Catalog with thousands of apps
- REST API
- Free SAML toolkits for in-house apps

OneLogin's AD integration uses a non-intrusive connector that sits on the Windows domain and communicates with AD and OneLogin. It synchronizes certain user data with OneLogin so that role-based access control can be enforced in the cloud. The fields typically synchronized with OneLogin are name, username, AD group members and distinguished name. AD passwords are never pushed to OneLogin unless explicitly enabled by the organization.

WHAT IF THE IAM VENDOR GETS HACKED?

Data hosted in the cloud is sometimes perceived to be more vulnerable to hacker attacks than data residing behind the firewall. However, statistics show that enterprises are actually much more prone to being hacked than SaaS vendors.

A Ponemon Institute [survey of 583 US enterprises](#) shows that 90 percent of respondents say they have been hacked at least once. Sixty percent reported two or more breaches over the past year.

You rarely hear about SaaS providers being hacked – SaaS data centers are highly controlled server environments that have entire teams dedicated to security and high-availability. These environments cannot be compromised by end-users who are downloading content infected by viruses or Trojan horses.

OneLogin's solution runs in a highly secure environment provided by Rackspace, which is both SAS-70/SSAE 16 audited and Safe Harbor compliant. The servers run enterprise Linux on dedicated servers, protected by dedicated firewalls.

WHAT IF THE IAM SOLUTION BECOMES UNAVAILABLE?

A common concern with SaaS providers is the risk of a catastrophic outage, which could very disruptive to their customers' critical business functions.

OneLogin understands that this risk is even more serious to an IAM solution and has taken a series of steps to prevent any single point of failure.

- **Multiple data centers** – OneLogin has data centers in Chicago and Dallas-Fort Worth, which are kept in sync in real-time for fast fail-over.
- **Fast DNS Redirect** – OneLogin uses VeriSign's dynamic DNS service, which allows a fail-over in as little as one minute
- **DDoS protection** – In the event of a Distributed Denial-of-Service (DDoS) attack, OneLogin can quickly redirect traffic to VeriSign's DDoS protection service, which will detect and filter malicious traffic so that OneLogin's service can continue uninterrupted.
- **Backups** – OneLogin performs daily full backups to a physically remote data center. All daily backups are stored online for fast retrieval.

OneLogin has a documented 99.99% uptime over the past 12 months and publishes uptime statistics on its website. And OneLogin's sophisticated technical architecture allows for on-the-fly patching and upgrades, resulting in zero maintenance-based downtime or interruption of service.

ADVANTAGES TO CLOUD-BASED IAM

Cloud-based IAM solutions offer a series of capabilities that are much harder for on-premise solutions to accomplish – if at all.

ACCESS FROM ANYWHERE

Today's forward-thinking organizations are leveraging mobile technologies and remote workforces – resulting in globally distributed organizations. These workers already access applications in the cloud and an on-premise IAM solution would require them to first establish a secure VPN to a corporate network before being able to sign into a cloud application – often resulting in frustration and lost productivity.

A cloud-based IAM solution works seamlessly with cloud-based applications as well as on-premise web applications. Users just launch their applications either from OneLogin's secure portal or by clicking on links in email notifications. OneLogin automatically authenticates the user with the requested application – even establishing SSL VPN connections on-the-fly when needed.

USER PROVISIONING

Larger organizations benefit tremendously from the cost savings associated with automated user provisioning, as well as the increased compliance and auditability of their entire portfolio of SaaS applications. And cloud-based IAM solutions have out-of-the-box provisioning integrations to leading SaaS applications, such as Box.net, Google Apps, Salesforce.com, WebEx and Yammer.

COST

As with other SaaS solutions, OneLogin offers a very competitive cost structure when compared to on-premise solutions – no capital expenditures, no upgrade or maintenance fees and no implementation costs.

Additionally, OneLogin adds new applications and integrations free of cost to the customer, and new releases are immediately and seamlessly made available to all customers as part of the OneLogin subscription.

SPEED OF IMPLEMENTATION

OneLogin provides the fastest path to identity management for cloud-based applications. Organizations of any size can get their directory integrated with their primary cloud-based applications in less than half an hour.

OneLogin is pre-integrated with:

- More than 2,200 web applications (both SaaS and on-premise)
- Six different strong authentication solutions (Duo Security, RSA, VASCO, Symantec VIP Access and Yubico)
- Various directory types (AD, LDAP, cloud-based HRIS solutions)

OneLogin is constantly upgrading existing integrations and adding new ones.