

JumpCloud #2

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Active-Directory User Import

Client

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Company Background

JumpCloud is a venture-funded company located in Boulder. Founded in 2012 we now have seven engineers working in Go and Node.js backed with MongoDB in an Amazon-based environment. Our offerings are centered around server management, security, and authentication -- controlling who can get onto a machine and allowing administrators to manage the servers with complex orchestration, as well as managing the security posture of the system. More information is available at <http://www.jumpcloud.com>.

Project Goals

Corporations and businesses often store their user-data in Active Directory, a Microsoft product. Although it has its strengths, it is not (easily) able to be used to authenticate into non-Microsoft systems and causes security concerns when it is used in the cloud or across domains. We would like to be able to extract user information from Active Directory and insert into our own user database

Specifically we need to:

- *Write a module (likely .NET, but exact architecture can be discussed) that acts as an agent on the customers Active Directory server.
- *When a new user is created in Active Directory the agent uses JumpCloud's API to insert that user into JumpCloud's user database.
- *Similarly, users should be deleted from JumpCloud when deleted from Active Directory.
- *Upon first startup, all users are imported from Active Directory and inserted into Jumpcloud's database

Project Skills

- *Basic programming knowledge.
- *.NET or Active Directory experience useful but not necessary.