



Google Apps Exchange Migration Case Study

Introduction

This paper provides an overview of how CTI successfully assisted one of its customers, **Delaware Valley College**, with a migration from Exchange to Gmail and with the implementation an advanced *Identity Management* solution that integrates GApps with the University's student portal for improved efficiency, increased security and lower support costs. For more information on CTI, please see www.cticorp.com.

Customer Profile

Delaware Valley College is a college founded in 1896 situated on a bucolic agricultural campus in Doylestown, PA.

Customer Needs

In phase 1 of a two phase 2 project, CTI provided GApps consulting expertise to migrate approximately 4,000 student mail accounts from Exchange to Gmail. In phase two, CTI implemented Single Sign On (SSO) to GApps so that upon logging on the student portal, the student has access permissions granted to GApps. Delaware Valley College required a reliable, well-supported solution that cost effectively supports its student body messaging & collaboration requirements and uses network/Active Directory identities to authenticate access and provided federated SSO to the GApps suite of applications, specifically Gmail.

Solution Provided by CTI

Google Apps email migration enables domain administrators to transfer the existing contents of users' mailboxes from an IMAP server to Google Apps. Specifically, you can upgrade to Google's Gmail service without causing users to lose existing mail. Google's migration tool displays the original sender, recipient, and date of each migrated message. Additionally, the folder structure of the old mailbox is preserved using Gmail labels.

Upon completing a thorough evaluation of potential Federated Identity solutions, CTI recommended to Delaware Valley College PingFederate product to meet its SSO requirements to GApps. PingFederate includes the increased flexibility and efficiency of a mature, world-class *federation* service product capable of reliably supporting a multitude of business applications and authentication directories.

Ping Identity provides standards-based SSO (SAML 2.0) support for Google Apps, Google Search Appliance and Google Security (Postini).



Ping Identity allows users to easily access all GApps applications without the need to remember passwords and repeat logins. Ping also automates the GApps user account management process including account creation, modification and access removal. When employees leave the company, their accounts are automatically disabled, ensuring that valuable data doesn't leave with them.

To ensure a successful implementation and rollout, Delaware Valley College selected CTI as its preferred identity services and GApps deployment partner based on:

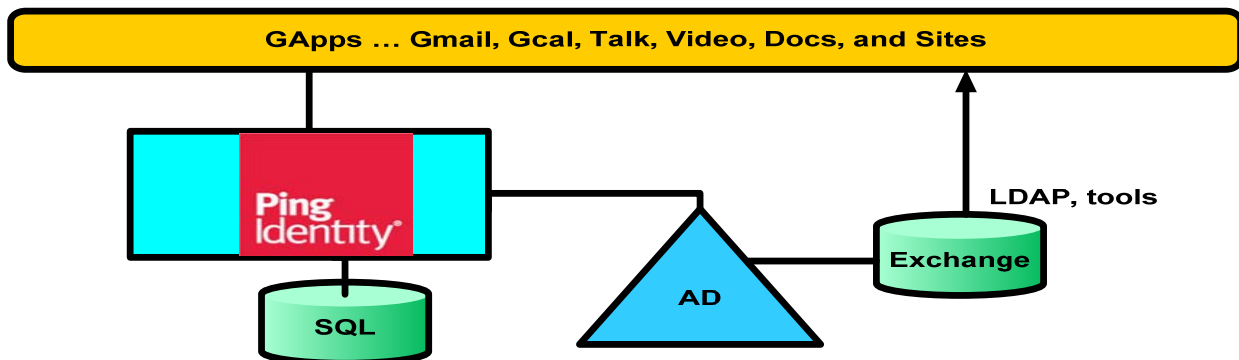
- Overall Identity Management knowledge and expertise
- Experience migrating Exchange to Gmail
- A track record for delivering products & services on time and on budget

During an ongoing professional services engagement and several project phases, CTI provided Delaware Valley College with specialized professional services for several important project implementation stages, including:

- Requirements Analysis and Design
- Implementation, Customization and Test
- IT Staff Training
- Project Management

GApps/ Ping SSO Architecture

CTI can design and implement a GApps architecture to facilitate the migration of students and faculty from Microsoft Exchange to GApps. CTI can provide Single Sign On to GApps using the PingFederate product or other SSO products. For DVC, CTI used the existing AD accounts to automatically provision/deprovision Google accounts and provide Ping SSO access to GApps.





Benefits to Customer

The solutions implemented and supported by CTI Professional Services will result in many benefits to Delaware Valley College, including:

- The replacement of the current Exchange solution with a supported, reliable and scalable solution to meet current and future messaging requirements
- Ability to leverage the existing AD repository which contains student identities by using PingFederate to create a single point of access to the College's web based applications
- The successful migration of existing Exchange users to the new GApps infrastructure with no down time

Conclusion

CTI is a long-standing, reliable Identity and Security consulting company that successfully assisted Delaware Valley College with meeting their migration objectives from Exchange to GApps including SSO to GApps.