

Jordan Hernaez

Professor Duvall

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Reflection #3

I began to delve deeper into Identity, Credential, and Access Management (ICAM) applications and research as I continued the internship. I realized that to understand ICAM infrastructure, I needed to understand more than just an Identity Management application (IdM). As a result, I decided to do two things. I first began to separate my research into two categories. The first was continued research into IdMs with a focus on how the IdM specifically interfaces with other components of ICAM architecture to better understand the IdM's specific role in ICAM. Secondly, I decided to research ICAM itself. To understand any one aspect or facet of ICAM, you really need to understand ICAM and its related concepts. There is a very informative introduction to identities on YouTube by Identiverse, a yearly ICAM convention, found [here](#). This led me into somewhat of a rabbit hole, exploring standards and specifications such as OAuth and SAML, which I think did contribute to my broader understanding of ICAM. One of the greatest challenges I faced so far was bypassing SSL when connecting to a remote IdM server. Upon first attempt at connection, I was prompted that for me to connect to the IdM server I would need to enable HTTPS. This is not something I have encountered before as any server I have attempted to run is usually local, so no encrypted connection would ever be necessary. Eventually, I was able to research a solution by setting an environment variable to disable the requirement of SSL so I could connect to the server via HTTP. This was probably my biggest milestone achievement in the internship so far. Although it may sound like a small

accomplishment, the journey of identifying a solution to this problem taught me much about how the applications we use work. It also taught me how the main application of my focus interfaces with other applications to create the overarching ICAM infrastructure.