An Overview of Security Issues in a Digital City

Bonnie Yates, Department of Information, Science and Technology, School of Management & Information Systems, University of Missouri – Rolla, Rolla, MO 65401, email: bjyr6g7@umr.edu

Faculty Advisor: Dr. Bih-Ru Lea, School of Management & Information Systems, University of Missouri – Rolla, Rolla, MO 65401, email: leabi@umr.edu

Abstract

This paper addresses what a digital city is, the advantages a digital city provides and how security must be considered when developing and deploying a digital city. Digital cities provide a dynamic living space that cannot be founded on static technology. Instead it must have its foundation on dynamic technology. Included in dynamic technology is security, which is a common thread among digital cities. Without proper security, digital cities cannot expand to their full potential.

Reflections on the Learning Experience

My foundational understanding regarding how research is conducted is that it takes time, patient, and perseverance to gain the knowledge and information that is being sought after. Databases, such as “The Communication of the ACM,” “Web Science,” and the like, are an excellent way to begin. The Internet can also provide the knowledge being sought.

My understanding of informational resources was expanded by spending time with a librarian. The librarian walked me through each of the resources available and showed the necessary steps to access each resource. She also gave me other ideas in how to locate the information needed for my research.

The knowledge gained from my research is invaluable to me. I realized that we, as a community, cannot progress forward without research. Research will be what cures diseases, invents better prosthesis, and makes everyday life better.

I learned to interpret the results of my research by practice and with the guidance of my research advisor, Dr. Bi-Ru Lea. Without her knowledge and patience, I would not have been able to succeed.