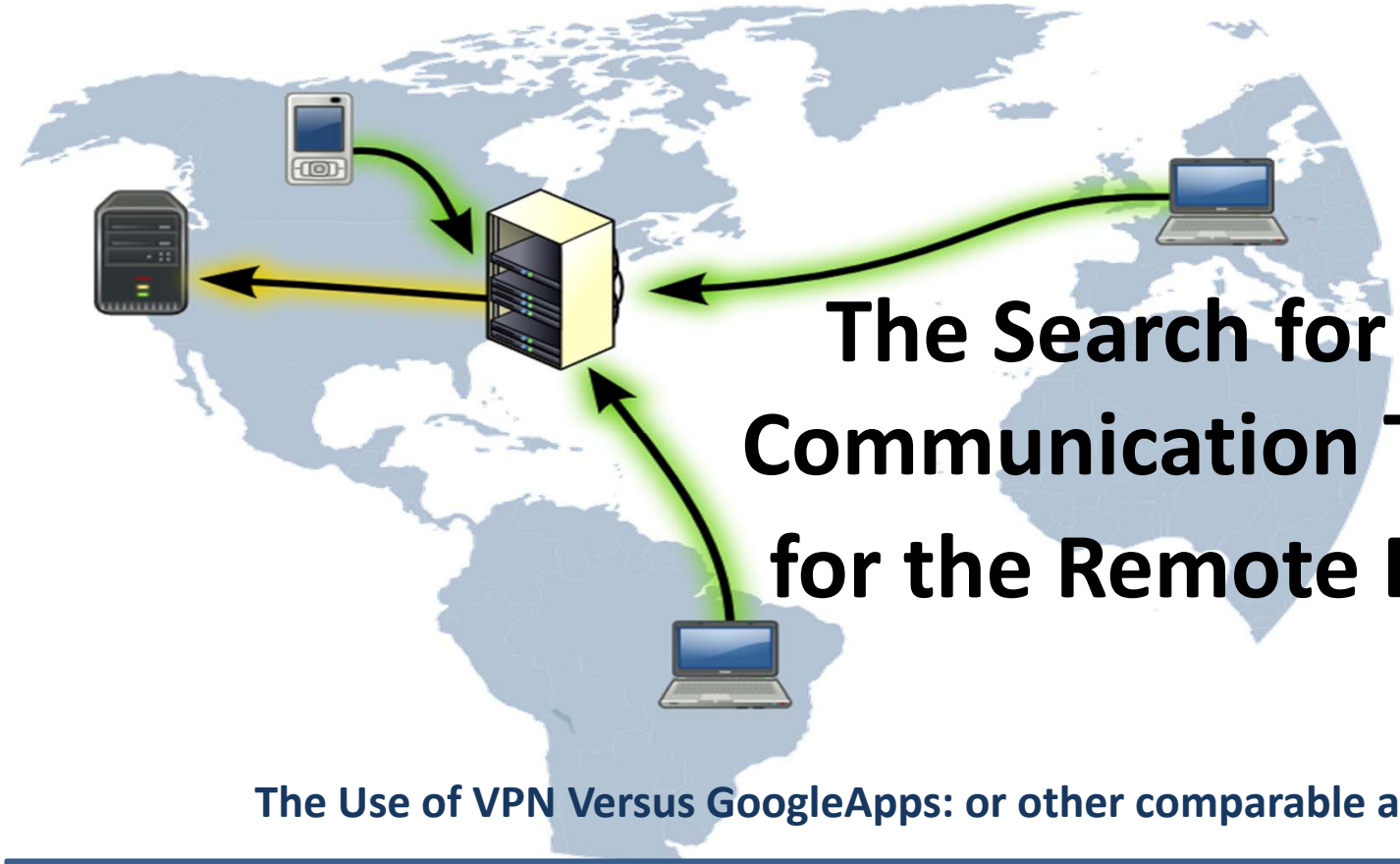

4-10-2014

The Search for Practical Communication Technology for the Remote Employee:

The Use of VPN Versus GoogleApps: or other comparable applications

Elizabeth Robnett
UCC: MsEng – IT in AEC
CE6014 - CMC

Problem:

Overview

- **A great amount of time and money is spent procuring and maintaining a company commnication system, as well as preparing users to utilize this technology.**
- **Further issues arise with intermittent or remote users:**
  - Remote employees
  - Partner Firms or Subcontractors
  - Clients

Objective:

Overview

Investigate alternative practical technological options

- **Purposes:**
  - Document sharing and collaborative work
  - Communication (Synchronous & Asynchronous)
  - Data Storage
- **Needs:**
  - Dependability
  - Accessibility
  - Security
  - Simplicity

Outline:

Overview

- **Cost**
- **Accessibility**
- **Comprehensive System**
- **Compatibility**
- **Security**

Cost:

Outline

- Initial Costs
  - Service
  - Software
  - Hardware
  - Training
  - Time
- Ongoing Costs
  - Service
  - Upgrades
  - Growth
  - Maintenance
  - Downtime

Accessibility:

Outline

- The Network/Server/Cloud
  - Implications of disruptions in Network Access and working offline
- Documents, Data, Communication
  - Real time collaboration/mirroring
  - Synchronous/Asynchronous communication
- Accessing Software

Comprehensive System:

Outline

- More digestible for the end user.
- Lowering costs on various software packages.
- Well integrated without being too convoluted.

Compatibility:

Outline

Internally:

- Seamless Transition
- Integrating Existing Software
- File Formatting
- Browser Selection for Access

Externally:

Clients and Subs

- Seamless Connection
- Connection Requirements
- Doc Collaboration & Communication
- File Formatting
- Browser Selection for Access

Security:

Outline

- Privacy, Integrity, Authentication, & Authorization
  - Intellectual Property
  - Limited Access
- Risks
- Regulatory compliances
- Trusting your providers
  - Service and Support

Considerations:

- Company Size
- Client Base
- Hybrid
  - Ex. Ipsec and Remote Access

Some Initial Questions:

- Type and access to IT support
- Working Offline
- File Formatting or Reformatting
- Shared programs
- Hybrid Network
- Access commitments
- Compliances
- Pricing

Thank You

Elizabeth Robnett (UCC)
CE6014_CMC_2014
Project Update