Dunn County
Department of Administration
Information Technology Division
2014 Annual Status

Information Technology Division Projects

- Cloud and Application Virtualization
- Results of Cloud and Application Virtualization
- Any Device Any Time Any Where
- Information Technology Projects Completed in 2013
- Information Technology Projects Planned for 2014
- Why? What is Hoped to be Accomplished?

Cloud and Application Virtualization

Applications Completed

The Neighbors of Dunn County Clinical Care and Client Management and Billing

Register of Deeds Document Recording & Management

Human Services Client Management and Billing

Enterprise Google Email, Calendaring, and Docs.

Enterprise Google Email and Groups based Faxing solution

Enterprise Time and Attendance Recording and Management

Shore Tel Phone Setup and Management

Numerous State of Wisconsin Applications

Applications Scheduled

Home Care Clinical Care and Client Management and Billing

Enterprise Resource Planning Financial Planning and Management System

Law Enforcement Inform IQ Data Query, Reporting, and Analysis system

Characteristics of Cloud Computing

Vendor hosts application on external datacenter

Client subscribes or leases application from vendor

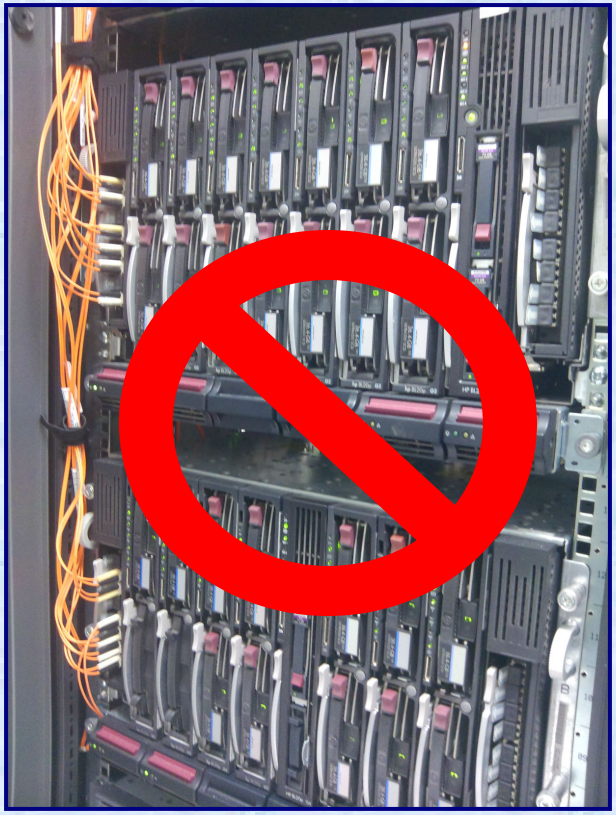
Application is provided through a web based user interface

Generally funded from operation budget versus capital budget

Private Cloud built and managed like “Cloud” by client staff

Results of Cloud and Application Virtualization

- Physical reduction from 28 to 6 physical servers
- Virtual expansion from 6 physical servers to 120 virtual servers



28 High Performance Blade Servers
replaced 68 Individual Servers

6 Commodity Servers using Virtualization
replaced 28 High Performance Blade Servers

Provide tools that people need to be fully engaged in carrying out their work

Any Device

Giga Byte Physical Desktops

Chrome Box Desktops

Android Tablet

Any Time

HP Zero Client All in One Desktops

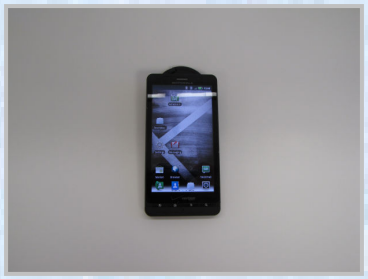
Net Books

Laptops

Any Where

PANO Zero Client Desktops

Apple IPAD 2



Smart Phones

Information Technology Projects Completed 2013

ShoreTel Telephone System

Distributed multi call processors based VoIP Telephone System

No single point of failure with multiple redundant call processors

Over 400+ new phones and associated equipment installed

New phones and equipment will be moved to remodeled HCC

Wireless Network Upgrade

Provides stronger signal strength and larger area of coverage

Old system was 811.g compliant and provided 54 mbps bandwidth

New system is 811.n compliant and provides 900 mbps bandwidth

Provides wider coverage areas and deeper penetration of walls and obstructions

Information Technology Projects Completed in 2013

The Neighbors of Dunn County

85 New business phones for new phone system

5 Distributed Call Processors

13 Power over Ethernet (POE) switches for phones

75 New wireless network access points

2 New wireless network controllers

20 existing zero client desktops moved

11 new zero client desktops installed

30 new network and fiber switches were installed

9 Universal Power Supplies

Information Technology Projects Planned for 2014

- Cloud based Enterprise Resource Planning Financial Management System
- Private Cloud Law Enforcement upgrade of Records and Jail Management and Mobile
- Cloud based upgrade of current Law Enforcement Data Query, Reporting and Analysis
- Emergency Communications upgrade of Computer Aided Dispatch and Mapping
- Cloud based upgrade of Home Care Clinical Care and Client Management and billing
- Private Cloud upgrade of Microsoft Office 2003 to 2013
- Migration of current up to date and outdated legacy applications to Private Cloud
- Migration from AutoCAD to Carlson Surveying and Drafting Software

Why? What is Hoped to be Accomplished?

- Many people voice the concern that “Government” is part of the problem not the solution

- US Airways Flight 1549 on January 15, 2009, at 3:27 p.m. EST struck a flock of Canada Geese during its initial climb out, lost engine power, and ditched in the Hudson River off midtown Manhattan with no loss of life.

- First officer Jeffrey B. Skiles spoke at a UW Madison lecture series which was broadcast on Wisconsin PBS debated if there was a miracle that day and concluded there was a miracle of “Technology, People, and Providence”

- When people are fully engaged in their work and have effective and efficient business practices and a culture that supports quality and innovation with first class tools to do their work they can accomplish extraordinary things

- The Information Technology Division staff are committed to provide people who utilize our systems with first class user experiences with the tools and business practices to be fully engaged and successful.

- With your support as our governing board and working with our departments and business associates as business partners we want to be known not as part of the problem but part of the solution.

Questions?