



THE
COMPUTING
C E N T E R

COPY

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April 23, 2004

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Town Of Dryden

SUBJECT: SYSTEM ANALYSIS REPORT AND RECOMMENDATIONS

GENERAL SYSTEM OVERVIEW: (See attached Diagrams)

The Computing Center completed a hardware and software review of the existing computer systems for the Town of Dryden on March 26, 2004. Mike Ziegler our Technical Manager completed a hardware/software inventory of all of the systems at the Town Hall and the Rec Department offices and most of the systems at the Highway Department. At the request of Jack Bush, Michael did not inventory the Fuel system or Jack's workstation. Michael also talked with whatever users were available to get an idea of what they use their systems for and any outstanding issues they may have. The following is a brief synopsis of what we found.

Server:

The server is a buildup dual Intel Pentium III 800mhz system running Windows 2000 Pro workstation with 1 gigabyte internal memory and 5 hard drives. Total spinning space is 480 gigabytes with 362 gigabytes free. Due to the fact that this is not running sever software there is minimal security setup. The system is basically running a peer to peer network. There is no tape backup on the server. This system is used basically for storage.

Workstations:

With the exception of 1 IBM and 1 Dell all of the system are buildup or white box systems. Generally all but one of the workstations are usable. Mark's buildup Celeron 500mhz system will need to be replaced. Of the remaining 17 systems, 13 are running Windows 98se, 1 is running Windows 2000 Pro and 3 are running Windows XP Pro. 10 of the systems have 256 megabytes of memory or more and 7 have 128 megabytes of memory or less. (See attached Belarc Advisor PC Audit sheets for each system)

Software:

The major applications used are Microsoft Office Standard and Professional versions, Microsoft Internet Explorer, and Microsoft Publisher. Depending on the user and their job there is software specific to what they do, such as billing, scheduling, and mapping. (See attached Belarc Advisor PC Audit sheets for exact software installed on each system) All software is loaded locally on the workstations.

Printers:

The Town has 19 total printers.(See attached sheet for model & serial numbers) Only the Lexmark E321 is currently setup to be shared by everyone. All other printers are setup locally, some are setup to be shared by 2-3 poeple.

Internet Connectivity:

Currently there are 2 Verizon DSL lines coming into the Town Hall. One is strictly for the Court System users and the other is for all other users. At this time there is one Linksys BEFSR41 4 port router and Linksys 16 port hub connected to the general DSL line. There is no router connected to the DSL line servicing the Court System users. It appears that Verizon is providing limited firewall support, however, it is not what we feel is required for adequate protection. The court computers are connected to each other via a DLink Switch. Email is hosted by Lightlink and there is one Hot Mail account.

Outstanding Issues :

Kevin's system has an occasional memory error which does not seem to impact his ability to work.

Kris has reported that sometimes the Clerk program runs slow. This application is setup peer to peer between 3 systems.

Debbie's system needs more memory to run her mapping software.

Diane's system seems to have mouse issues.

RECOMMENDATIONS:

Option # 1 : (preferred)

Based on what we have found The Computing Center is recommending that The Town of Dryden purchase a Windows 2003 Small Business server with appropriate tape backup, upgrade all workstations to Windows XP Professional, drop down to one DSL or Broadband Internet connection (setup security through Active Directory), purchase a network shared laserjet printer and bring email in house. The following is pricing for this option :

HEWLETT-PACKARD PROLIANT ML350 SERVER

- Intel Xeon 2.8ghz. Processor
- 1.5 Gigabytes Internal Memory
- Qty. 3 146 Gigabyte Ultra SCSI HS Hard Drives Setup Raid 5
(Total spinning Space 292 Gigabytes)
- Integrated Smart Array 64i Controller
- Integrated Ultra3 SCSI Controller
- Existing Monitor To Be Used
- HP Keyboard & Mouse
- HP Redundant Hot Swap Power Supply
- 3 Year Onsite Warranty **\$3789.00**

APC SU1500 SMART UPS

\$ 515.00

MICROSOFT WINDOWS 2003 SMALL BUSINESS SERVER W/15 CALS

- Windows 2003 Small Business Server
 - o Exchange Email
 - o Faxing

The Town of Dryden would purchase this off State Contract

Option # 2 : (No workstation upgrades)

For this option The Computing Center is recommending that The Town of Dryden purchase a Windows 2003 server and an appropriate tape backup unit, leave the workstations as they are, drop down to one DSL or Broadband Internet connection (setup security through Active Directory), and run email through our email service. The following is pricing for this option :

HEWLETT-PACKARD PROLIANT ML350 SERVER

- Intel Xeon 2.8ghz. Processor
- 1.5 Gigabytes Internal Memory
- Qty. 3 146 Gigabyte Ultra SCSI HS Hard Drives Setup Raid 5
(Total spinning Space 292 Gigabytes)
- Integrated Smart Array 64i Controller
- Integrated Ultra3 SCSI Controller
- Existing Monitor To Be Used
- HP Keyboard & Mouse
- HP Redundant Hot Swap Power Supply
- 3 Year Onsite Warranty **\$3789.00**

APC SU1500 SMART UPS **\$ 515.00**

MICROSOFT WINDOWS 2003 SMALL BUSINESS SERVER W/15 CALS
The Town of Dryden would purchase this off State Contract

HEWLETT-PACKARD INTERNAL ULTRIUM 230 TAPE DRIVE

- Maximum Storage With Compression 200gb
- Includes 10 Ultrium Tape Cartridges **\$3112.00**

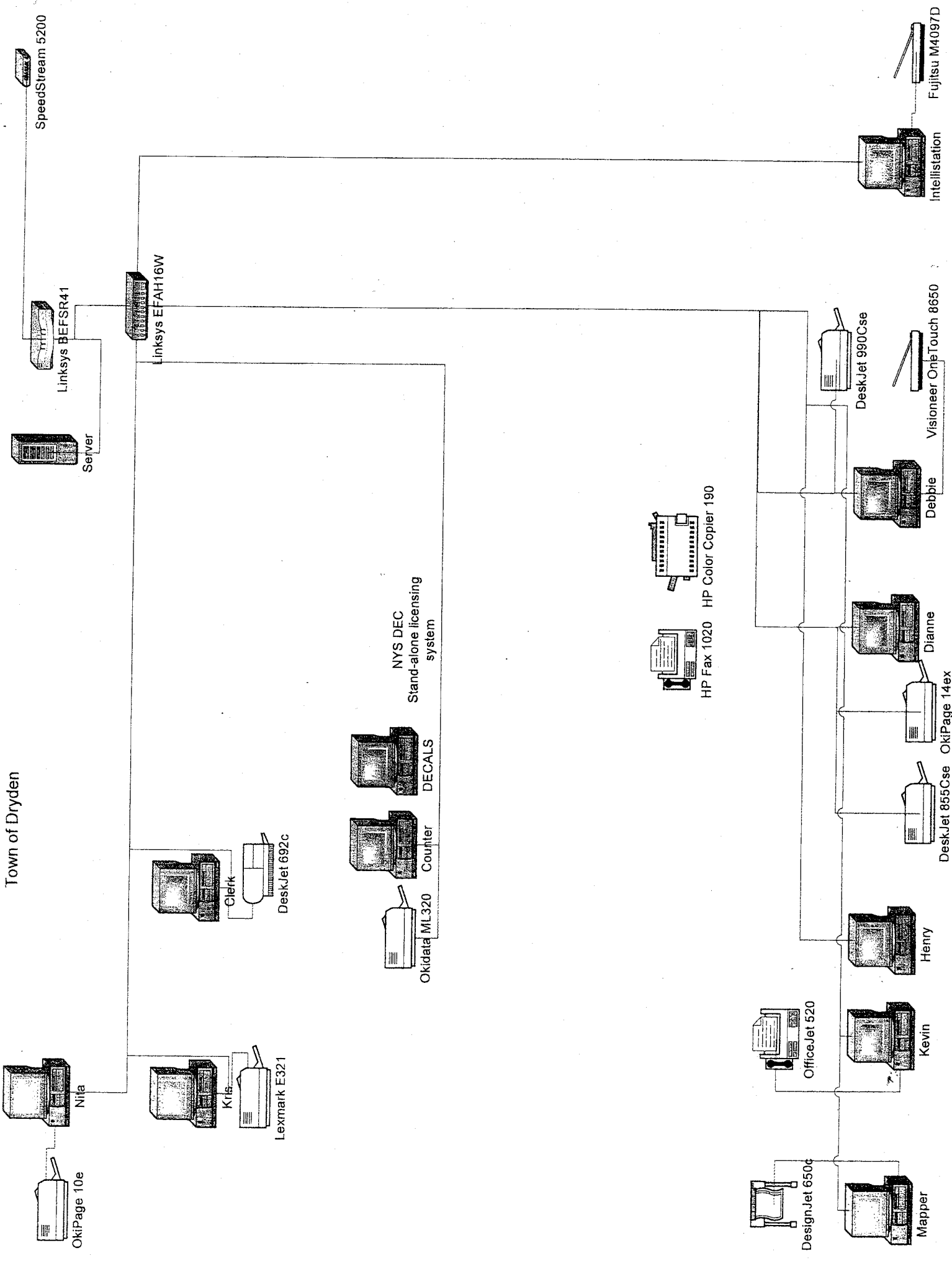
VERITAS BACKUP EXEC FOR WINDOWS 2003 9.1 **\$ 519.00**

HEWLETT-PACKARD LASERJET 4200N PRINTER

- 35 Page Per Minute Print Speed
- 100 Sheet Multi-Purpose Input Tray
- 500 Sheet Input Tray
- Integrated JetDirect Network Card
- 1 Year Warranty **\$1352.44**

MDAEMON/DOUBLECHECK EMAIL/VIRUS/SPAM SERVICE

- The Computing Center Would Host The Town of Dryden's Email
- Includes Email Virus & Spam Protection
- One Time Setup Fee \$65.00
- \$7.25 Per User Per Month 20 users **\$145.00 Per Month****



Town of Dryden

SpeedStream 5200

Linksys BEFSR41

Server

Linksys EFAH16W

NYS DEC
Stand-alone licensing
system

DECALS

Counter

Okidata ML320

Clerk

DeskJet 692c

Kris

Lexmark E321

Nita

OkiPage 10e

HP Fax 1020 HP Color Copier 190

DeskJet 990Cse

Visioneer OneTouch 8650

Debbie

Dianne

DeskJet 855Cse OkiPage 14ex

Henry

Kevin

OfficeJet 520

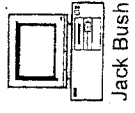
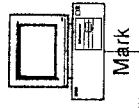
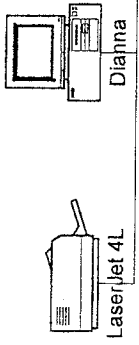
DesignJet 650c

Mapper

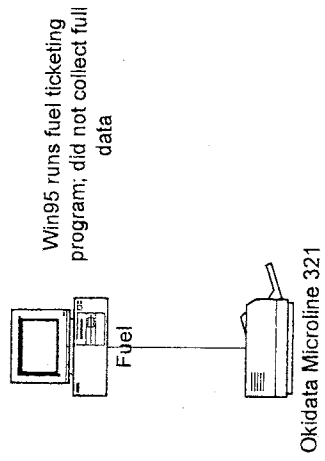
IntelliStation

Fujitsu M4097D

Town Of Dryden Highway Dept.



Per user request, did not collect any data from this machine.



DesignJet 650C C2859B SN: ESB5337408
DeskJet 692c C4582A SN: CN7411K0M6
DeskJet 855CSe C4575A SN: SG64A1617H
DeskJet 990CSe C6455B SN: MY07D1C10J
Fujitsu M4097D duplex scanner (SCSD) SN: 521499
HP Color Copier 190 SN: SGB03109KW
HP Fax 1020 SN: CNH27A1TSW
LaserJet 1200A 07443 SN: CNX4031994
LaserJet 4L SN: USBB972030
Lexmark E321 4500-201 SN: 8909VRD
OfficeJet 710 SN: MY03LG315C
OfficeJet 520 C3801A SN: US76HA43SX
Okidata Microline 184 SN: 237A1066794
Okidata Microline 320 SN: 706A12673818
Okidata Microline 321
Okidata Microline 321
OkiPage 10e SN: 007A1047625
OkiPage 14ex SN: 008A0001307
Visioneer Onetouch 8650 SN: 016A004154D1

Clerk
Highway
Supervisor
Zoning