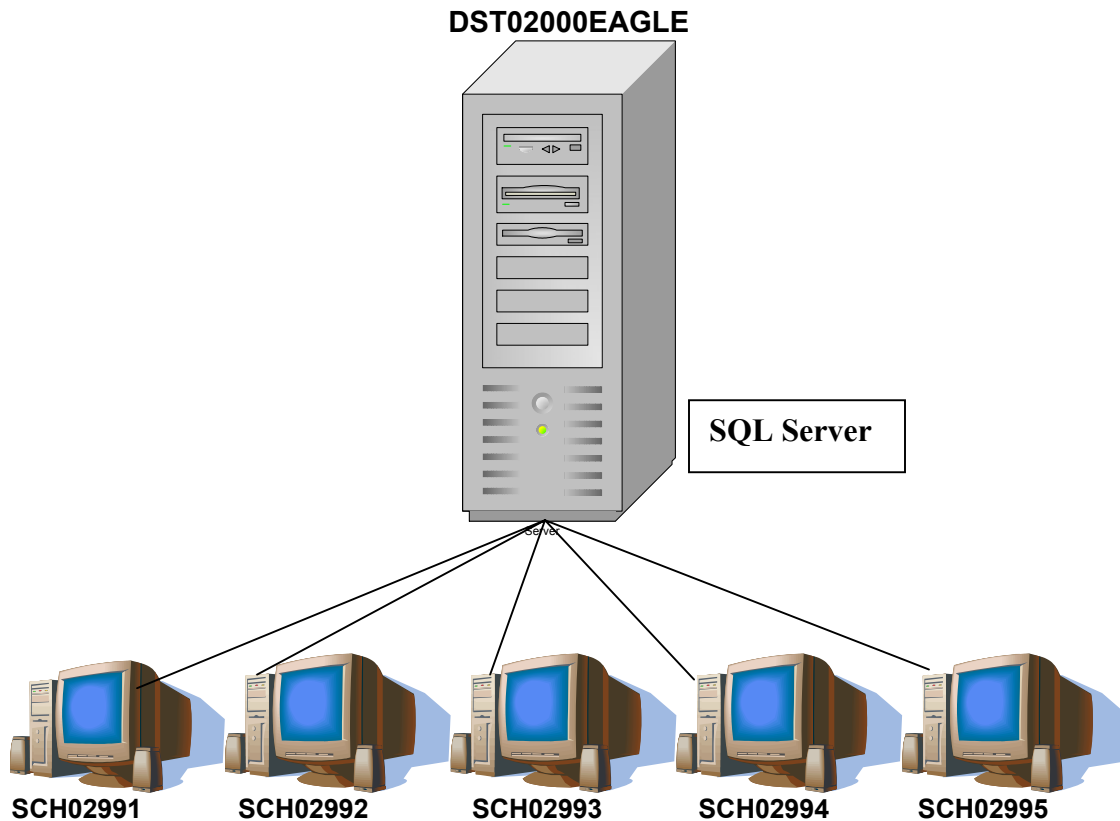


***Aeries™* Student Information System**  
**Aeries Client Server**  
**June 27, 2003**

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The new Client/Server version of Aeries has been created to provide a centralized district-wide database containing all student and related data. This new version will utilize a Microsoft SQL Server 2000 database located at the district office.

All schools and district users are connected to this database through an SQL ADO connection and the users still use the Aeries software in Microsoft Access XP format.



The actual software for the Client/Server version of Aeries is identical to the current version of Aeries, except for added calls to the server interface module.

## **DISTRICT SERVER DATABASE**

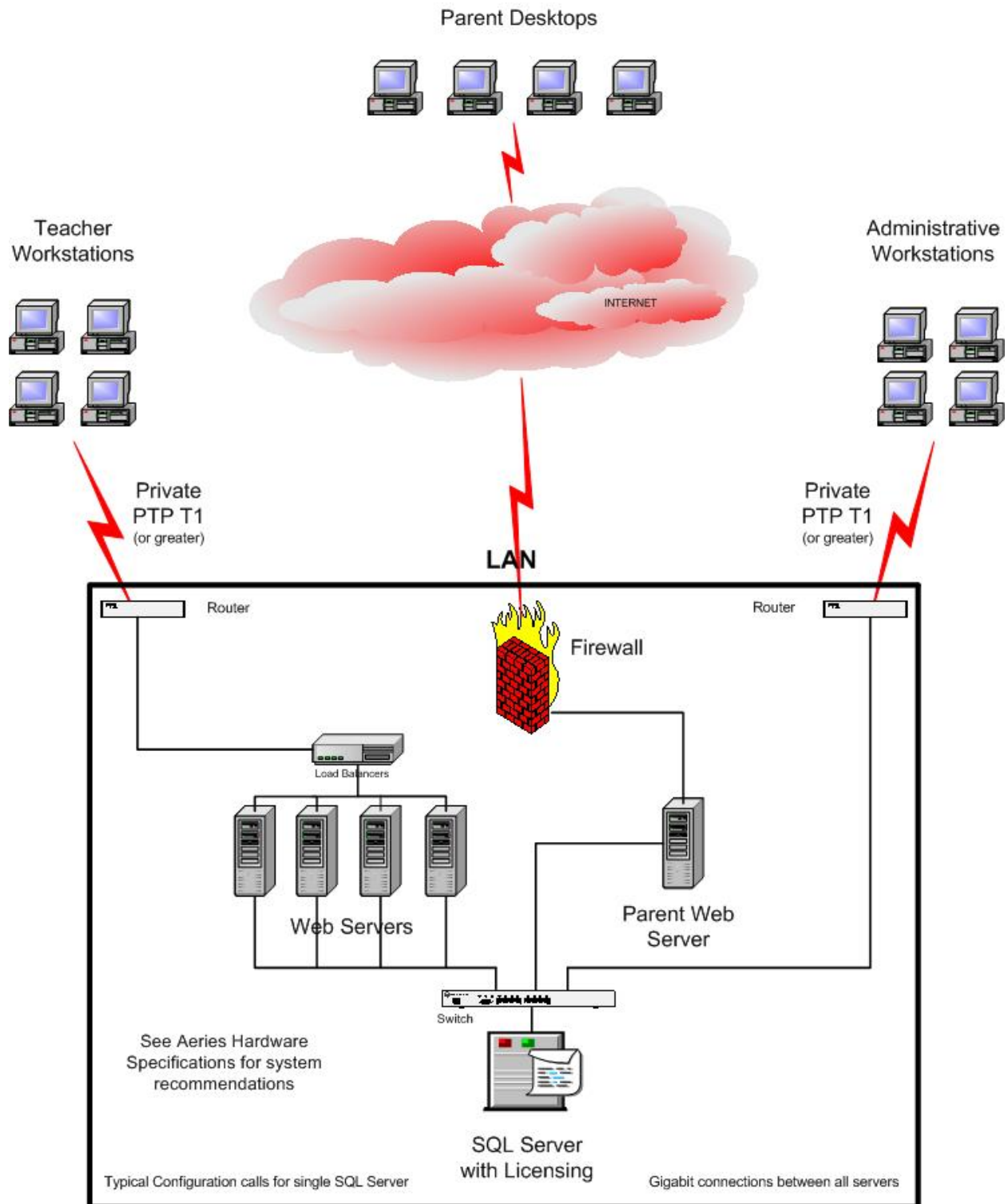
The school district is responsible for setting up and maintaining their district SQL Server database. Eagle Software will initially provide a blank SQL database, with the data definitions for each of the **Aeries** tables.

The district is responsible for setting up security to the database. Once users are assigned their user-IDs, passwords, and rights to the data, they can begin to use the **Aeries** software.

## **DISTRICT RESPONSIBILITY**

- Setup of SQL Server 2000 and Windows 2000 Server
- Install of Microsoft Access XP
- An implementation support fee will be charged to cover the cost of the Eagle Software migration support services.
  - a. SQL Server Hardware and Software Installation Consultation
  - b. SQL Configuration and Maintenance Consultation
  - c. Aeries Software Upgrade Consultation
  - d. ABI Migration Assistance
  - e. Data Conversion Consultation
- Data Conversion is to be done by the district. Eagle Software will provide the SQL Database and conversion tools along with a set of instructions. Under extenuating circumstances, Eagle Software will consider assisting with the data conversion. Prices for conversions including custom tables may differ.
- Prices for converting existing customizations to run against the SQL database will be extra and may vary.
- SQL Connectivity from the workstations to the SQL Server is the responsibility of the district.
- SQL Server Maintenance is the responsibility of the district.
- The district must have access to or a working relationship with a DBA or other person capable and responsible to install and maintain the SQL Server and the SQL Databases. Qualifications other than a certification must be verified by Eagle Software.

The following is an example of a network layout that could be used for the Aeries SQL configuration.



## AERIES SQL CONFIGURATION - SAMPLE TOPOLOGY

## DISTRICT AND SCHOOL USERS

The following is the **Aeries Client Server Log In** form. All information **MUST** be entered on the first log into Aeries Client Server and click on **LOGIN**. After the first Login this information will be stored in the **Eagle1.INI** file and will automatically display on upcoming login attempts.

AERIES Client Server Log In

PLEASE LOG IN TO CLIENT SERVER DATABASE

Server Name: sqlserver2

Database Suffix: aeriesdemo School Code: 994

Year: 2002 - 2003

User Name: secretary

Password: \*\*\*\*

LOGIN

LOGIN NOT SUCCESSFUL

CANCEL

Version 10.0605 - June 2003  
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If the **Log In** is unsuccessful a message will display. Verify **ALL** information entered and correct any errors.

## AERIES FORMS AND REPORTS

After the login is successful the **Aeries Control Panel** will display and all forms and reports are available for use by the user.

AERIES - Client Server database is dst02000aeriesdemo On Server sqlservices2

2002-2003 Screaming Eagle High School 6/5/2003

A - School Options B - School Calendar C - Master Schedule D - Course Data E - Teacher Data E - Student Data

G - Grade Reporting Cycle H - Monthly Attendance Cycle I - Student Scheduling Cycle J - Progress Reporting Cycle K - Other Miscellaneous Functions QUERY

Change Year or School

View all forms View all Reports Exit Aeries

aeries™  
Version 10.0523 - May 2003  
Laser Printer Output?  Yes  No  
Client Server Database

**USING  
AERIES**

The look and feel of the **Client/Server version of Aeries** is identical to the current access database version of **Aeries**.

The screenshot shows the 'Students' window for the 2002-2003 school year at Screaming Eagle High School. The student profile is for James Abbott, a 12th grader born on 6/19/1984. The interface includes fields for personal information, parent/guardian details, addresses, and various academic and administrative data points. A student photo is visible on the right side of the form.

Stu#	Last Name	First Name	Middle Name	Perm ID No.	Sex	Grade	Birthdate	Age
000001	Abbott	Allan	James	1590522772	M	12	6/19/1984	18

**TABLES**

Certain tables with the Client Server database will now have a STU.ID based relationship in the SQL version. The following tables are:

- **ADS** – Discipline
- **CSE** – Special ED
- **CST** – Content Standards
- **CTS** - College Test Scores
- **FRM** – Free & Reduced (or FAR)
- **HIS** - Transcripts
- **HRN** - Hearing
- **HWO** - Medical
- **MHS** – Medical History
- **SCO** – Scoliosis Screening
- **SCS** – Cluster Scores
- **TEX** – Test Exclusions
- **TST** – Test Scores
- **VSN** – Vision

Certain tables with the Client Server database will also be considered Global District. This means that the table will be maintained by the district and will be downloaded to all schools with every login. For example, the CRS table.

**PROGRAMS AND TABLES**

The following is a list of programs and the tables that are utilized by these programs. When setting up security the user will need access to these tables if they will be using these programs.

**AERIES BROWSER INTERFACE**

ASL, GTG, LNC, LNK, PAL, STG, WEB, WGM

**ATTENDANCE**

ABS, ACL, ATT, CAR, DAC, DAY, VER, YTD

**BELL SCHEDULES**

BEL, BSD, BST

**BILLING**

BIL, PAY, PSD, PST

**CLASSES**

MST, SAV, SEC

**CONTACTS**

CON

**COUNSELING**

CNF, VIS

**DISCIPLINE**

ADS, DIS, SOC

**DISTRICT & SCHOOL SETUP**

ADR, COD, CRS, LKR, LOC, LTL, LTR, OPT, PRT, RPP, RUN, STR, TRM, TTC, ZFS

**GRADES**

GRC, GRD, GRP, PRG

**GRADEBOOK**

GBA, GBE, GBK, GBL, GBO, GBS, GBT, GBU

**HISTORY / TRANSCRIPTS**

CHI, COL, CRT, CTS, HIS, REQ, TDF, TTP, TTM

**LANGUAGE ASSESSMENT**

LAC, LAF, LAS

**MASS SCHEDULING**

CRQ, SMS, SSS

**MEDICAL**

HRN, HSC, HSE, HWO, IMM, MED, MHS, SCO, VSN

**QUERY**

QRY, TXT

**SCRIP**

SCP, STO, STP

<b>SPECIAL ED</b>	CSA, CSD, CSE, CSI, CSS
<b>STANDARDS BASED GRADE</b>	SBC, SBE, SBG, SBH, SBV, STN
<b>STUDENT</b>	ACT, AUT, FEE, FRM, INV, PGM, RAL, RET, RJN, SSD, STU, SUP
<b>STUDENT ASSESSMENT</b>	SAD, SAP, SPP, SPS
<b>TEACHERS</b>	TCH, STA, STC, STF
<b>TESTING</b>	CSN, CST, CTL, OBJ, PFT, SCS, STAR, TEX, TST
<b>TESTING PRE-ID'S</b>	PCT, PHE, PRE, PSA, XRF
<b>TEXTBOOK</b>	TBC, TBO, TBT, VND
<b>WORK PERMITS</b>	EMP, WPT

## **SETTING UP SECURITY FOR CLIENT SERVER USERS**

The security for Aeries Client Server utilizes Microsoft SQL Server 2000. It is required that you know how to setup user accounts and permissions through the Enterprise Manager on the SQL server.

When setting up the SQL Client Server Security it is important to determine the different responsibilities of the users. This document will outline some basic set up procedures, and give insight into what tables are required for certain job functions in a typical school district.

One of the benefits of using the SQL server security is that it gives freedom in creating your own “roles” or “security groups”. This will also allow you to customize permissions to a specific job position.

For example you can create an “Elementary Secretary” role. They will then be given permissions to different roles for the different tables that they will need to access (see below for more details).

## **PERMISSIONS**

The following is a listing of permissions that are available when setting up your user groups.

- **SELECT** – allows user to select and only display data
- **UPDATE** – allows user to select and update data
- **INSERT** – allows user to select and insert or add data
- **DELETE** – allows user to select and delete data
- **FULL Control** – allows user to select, insert, update and delete data

Any combination of permissions can be used to fulfill specific requirements. To view what the table is used for, please refer to Table Definitions.

## **NOTE:**

**This document is intended for Database Administrators only**



## SETTING UP USER GROUPS OR ROLES

Prior to setting up **Roles** it is important to determine which programs will be used by each Role. **It is suggested that you first review the list of Programs and Tables on Page 6.**

The following are **examples** of possible job functions and the tables that would be required for the user groups to perform certain tasks.

The group list begins with **ALL Aeries Users**. This is a starting point for setting up the user groups or roles and these tables are the minimal tables required.

The **View Only** group would be determined by the district and would contain various tables that allow users to only display data.

The **Admin User** group would also be determined by the district and would give the user full control over tables that are considered secure, such as free and reduced.

### ALL AERIES USERS

**Must have FULL Control:** LTL, OPT, PRT

**Must at least have SELECT ONLY:** BEL, COD, CRS, DAY, ENR, IDN, LOC, LTR, SEC, SSD, STR, STU, SUP, TCH, TRM, TXT

**SELECT ONLY:** USR (**Client Server ONLY**)

**SELECT, UPDATE, INSERT:** QRY

### VIEW ONLY USERS

**SELECT ONLY:** Any Aeries Tables

### ADMIN USERS

**FULL Control:** Any Aeries Tables that requires security such as COD, CRQ, FRM, GRC, REQ, USR etc.

### ASSISTANT PRINCIPAL OR PRINCIPALS

Changes student classes

**FULL Control:** CAR, MST, SAV, SEC

Creates Schedule Master Schedule

**FULL Control:** SMS, SSS

Enters any conference, discipline, intervention

**FULL Control:** ADS, CNF, DIS, INV, SOC, VIS

Views history and create transcripts

**At least SELECT ONLY:** CHI, COL, CRT, CTS, HIS, REQ, TDF, TTP

### ATTENDANCE CLERKS

Updates attendance, creates absence letters, monthly reports

**FULL Control:** ACL, ATT, CAR, DAC, DAY, VER, YTD

**At least SELECT ONLY:** ABS, ADR

<b>COUNSELORS</b>	<p><b><u>Changes student classes, enters conference and discipline</u></b>  <b>◆ Add to Assistant Principal/Principal group</b></p> <p><b><u>Creates work permits</u></b>  <b>FULL Control: EMP, WPT</b></p>
<b>ELEMENTARY SECRETARIES</b>	<p><b><u>Updates attendance, creates absence letters, monthly reports</u></b>  <b>◆ Add to Attendance Clerk Group</b></p> <p><b><u>Enters all medical info and visits to the nurse</u></b>  <b>◆ Add to Health Clerk Group</b></p> <p><b><u>Creates Standards Based Grades &amp; generates Report Cards</u></b>  <b>FULL Control: SBC, SBE, SBG, SBH, SBV, STN</b></p> <p><b><u>Updates student data</u></b>  <b>FULL Control: ACT, AUT, CON, FEE, FRM, INV, PGM, RAL, RET, RJN, SSD, STU, SUP</b></p>
<b>HEALTH CLERKS</b>	<p><b><u>Enters all medical info and visits to the nurse</u></b>  <b>FULL Control: HRN, HSE, HWO, IMM, MED, MHS, PFT, SCO, VSN</b>  <b>At least SELECT ONLY: HSC</b></p>
<b>LIBRARIANS</b>	<p><b><u>Enters vendors, textbooks, checkouts, returns, students fees</u></b>  <b>FULL Control: FEE, TBC, TBO, TBT, VND</b></p>
<b>LANGUAGE ASSESSMENT CLERKS</b>	<p><b><u>Enters all language assessment info</u></b>  <b>FULL Control: LAC, LAF, LAS, PGM, SSD</b></p>
<b>REGISTRARS</b>	<p><b><u>Creates schedules and course requests</u></b>  <b>FULL Control: CRQ, SMS, SSS</b></p> <p><b><u>Updates master schedule and changes students classes</u></b>  <b>FULL Control: CAR, MST, SAV, SEC</b></p> <p><b><u>Enters/udpates student data</u></b>  <b>FULL Control: ACT, AUT, CON, FEE, FRM, INV, PGM, RAL, RET, RJN, SSD, STU, SUP</b></p> <p><b><u>Enters/updates student grades</u></b>  <b>FULL Control: GRD, PRG</b>  <b>At least SELECT ONLY: GRC, GRP</b></p> <p><b><u>Updates history and creates transcripts</u></b>  <b>FULL Control: CRT, CTS, HIS</b>  <b>At least SELECT ONLY: CHI, COL, REQ, TDF, TTP</b></p>

**SPECIAL ED CLERKS**

**Enters all special education info**

**FULL Control:** CSA, CSD, CSE, CSI, CSS, PGM

**TESTING**

**Creates all pre-id files**

**FULL Control:** PCT, PHE, PRE, PSA, XRF

**Loads all test scores**

**FULL Control:** CSN, CST, CTL, OBJ, SCS, STAR, TEX, TST

**Sets up and maintains student assessment**

**FULL Control:** SAD, SAP, SPP, SPS