

LanSchool Report Server Database

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The LanSchool Report Server database is a standard SQLite database. It is stored at C:\program files (x86)\LanSchool Report Server\reportServer.sqlite. You can use any standard SQLite client to view the database. For example, DB Browser for SQLite works well and is freely available at <http://sqlitebrowser.org>. The single database file can be copied and shared, or backed up with any file backup tool.

There are 18 total tables in the database. The tables that begin with “AspNet” are related to Microsoft Identity 3.0 and contain user management records. You can learn more about Microsoft Identity 3.0 on Microsoft’s website.

Of the remaining tables, these are the ones that we create specifically for the report server:

Computers: Represents student computers

ID	Integer	Unique identifier for this record
CreatedAt	Text	Time of record creation
ActiveUser	Text	Username that submitted this MSInfo record for this computer
AvailablePhysicalMemory	Integer	In bytes
BootDevice	Text	
GraphicsCard	Text	
InventoryUpdateAt	Text	Time inventory was submitted
MonitorResolution	Text	As text; example: “640x480”
OSName	Text	
OSVersion	Text	
PageFileSpace	Integer	In bytes
Processor	Text	Vendor provided name of the processor
ProcessorCount	Integer	Number of physical processors
ProcessorSpeed	Integer	In Hz

SystemName	Text	Operating system reported name of the system
SystemSerial	Text	Vendor provided serial number of the computer
SystemType	Text	Vendor provided model of the computer
TotalPhysicalMemory	Integer	In bytes

Binaries: Represents binary, executable files on the student computers, created by student computers reporting their execution.

ID	Integer	Unique identifier for this record
DisplayName	Text	Friendly name to use in the report server UI for this binary
Executable	Text	Actual binary name; example: explorer.exe
UseTime	Integer	Total seconds recorded for all students on any computer

Drives: Represents storage devices on a specific computers

ID	Integer	Unique identifier for this record
Computer	Integer	Map to row in Computers table
FileSystem	Text	Filesystem type; example: FAT32, NTFS
FreeSpace	Integer	In bytes
MountPoint	Text	Location where the drive is mounted in OS filesystem
TotalSpace	Integer	In bytes
VolumeName	Text	Label of the drive

Softwares: Represents software packages installed on the student computers, created by parsing the output from MSIInfo

ID	Integer	Unique identifier for this record
Computer	Integer	Map to row in Computers table
Name	Text	Name of the software package from installation information
Version	Text	Version of the software package from installation information
ExistedAt	Text	Time when it was last recorded

Students: Represents a user on one or more computers

ID	Integer	Unique identifier for this record
FirstName	Text	Not used
LastName	Text	Not used
Username	Text	
CreatedAt	Text	Time of record creation

Websites: Represents root websites, created by reports of students visiting websites

ID	Integer	Unique identifier for this record
Host	Text	The hostname of any URL; example: www.wikipedia.org

VisitCount	Integer	# of visits recorded for all students at any sub-URL
UseTime	Integer	Total seconds recorded for all students at any sub-URL

WebStatistics: Represents a single report of a student visiting a website; maps to Website and contains the complete URL visited

ID	Integer	Unique identifier for this record
ActiveTime	Integer	Time that user was active during this record
Computer	Integer	Map to row in Computers table
PageTitle	Text	Title displayed in the browser window frame
Url	Text	Complete URL of the website visit include sub-URL and query arguments
Start	Text	Time that this record was started
Stop	Text	Time that this record was stopped
Student	Integer	Map to row in Students table
TotalTime	Integer	Total time spent on the website for this record
Website	Integer	Map to row in Websites table

LoginStatistics: Represents a single report of a student logging into or logging out of a computer; maps to Computers

ID	Integer	Unique identifier for this record
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Computer	Integer	Map to row in Computers table
LoginType	Integer	1 = Login, 2 = Logoff
Student	Integer	Map to row in Students table
CreatedAt	Text	Time of record creation

AppStatistics: Represents a single report of a student being active in the process; maps to Binaries.

ID	Integer	Unique identifier for this record
ActiveTime	Integer	Time that user was active during this record
Binary	Integer	Map to row in Binaries table
Computer	Integer	Map to row in Computers table
Executable	Text	Name of executable process
Start	Text	Time that this record was started
Stop	Text	Time that this record was stopped
Student	Integer	Map to row in Students table
TotalTime	Integer	Total time spent on the website for this record
WindowTitle	Text	Text on window frame if process has window