

FatWire | Analytics 2.5

Database Schema Reference

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FatWire Analytics Database Schema Reference

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FatWire Technical Support

www.fatwire.com/Support

FatWire Headquarters

FatWire Corporation
330 Old Country Road
Suite 207
Mineola, NY 11501
www.fatwire.com

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Database Tables

This part contains the following groups of tables:

- [L3 Tables](#)
- [HELP Tables](#)
- [System Configuration and Maintenance Tables](#)

L3 Tables

Level 3 database tables store statistically processed, aggregated data. When aggregated in advance, the data becomes available on demand at report generation time.

Table names indicate which type of data is stored. For example:

- The table named `L3_DATEXSITEXCITYXCOUNT` stores *daily* data for a site that is browsed by visitors from a given city.
- The table named `L3_WEEKXSITEXCITYXCOUNT` stores the same type of data as `L3_DATEXSITEXCITYXCOUNT`, but for the given week (that is, `L3_WEEKXSITEXCITYXCOUNT` stores *weekly* data for a site that is browsed by visitors from a given city).

Note

The term **object impression** is used throughout this reference. An object impression is a single invocation of the sensor servlet. An object impression can also be thought of as a “snapshot” of raw site visitor data that is captured for analysis. For more information about object impressions, see *Installing and Configuring FatWire Analytics*.

CS_L3DATEXSITEXOBJXCOUNT

This table stores data for the chart in the “Clickstream” report. It stores the number of clicks that were made from one object to another on a specific date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table to reference the date of the data.
SITEID	NUMBER	The foreign key to the SITE table.
OBJECTFROMID	NUMBER	From which object.
OBJECTTOID	NUMBER	To which object.
COUNT	NUMBER	The number of clicks.

L3_DATEXSITEXCITYXCOUNT

Reserved for internal use. This table stores the number of object impressions, sessions, and visitors from a specific city on a specific day. See the [HELP_CITY](#) table for more information.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.

Column Name	Type	Description
CITYID	NUMBER	The foreign key to the HELP_CITY table.
OICOUNT	NUMBER	The number of object impressions for the day, for the site, for the city.
VISCOUNT	NUMBER	The number of visitors for the day, for the site, for the city.
SESCOUNT	NUMBER	The number of sessions for the day, for the site, for the city.

L3_WEEKXSITEXCITYXCOUNT

Reserved for internal use. This table stores the number of object impressions, sessions, and visitors from a specific city on a specific week. See the [HELP_CITY](#) table for more information.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
CITYID	NUMBER	The foreign key to the HELP_CITY table.
OICOUNT	NUMBER	The number of object impressions for the week for the site, for the city.
VISCOUNT	NUMBER	The number of visitors for the week for the site, for the city.
SESCOUNT	NUMBER	The number of sessions for the week for the site, for the city.

L3_MONTHXSITEXCITYXCOUNT

Reserved for internal use. This table stores the number of object impressions, sessions, and visitors from a specific city on a specific month. See the [HELP_CITY](#) table for more information.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
CITYID	NUMBER	The foreign key to the HELP_CITY table.

Column Name	Type	Description
OICOUNT	NUMBER	The number of object impressions for the month site, and city.
VISCOUNT	NUMBER	The number of visitors for the month, site, and city.
SESCOUNT	NUMBER	The number of sessions for the month site, and city.

L3_DATEXSITEXDLXMIMEXCOUNT

This table stores the number of object impressions for the given object and its MIME type.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
OBJECTID	NUMBER (12)	The foreign key to the L2_OBJECT table.
MIMETYPE	VARCHAR2 (32 BYTE)	The MIME type.
COUNT	NUMBER	The number of object impressions for the day, for the site, and for the object with that MIME type.

L3_DATEXSITEXGROUPXOICOUNT

This table stores how often a group was visited (number of object impressions).

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
GROUPID	NUMBER	The foreign key to the L2_GROUP table.
COUNT	NUMBER	The number of object impressions.

L3_DATEXSITEXGROUPXSESCOUNT

This table stores how often a group was visited (number of sessions).

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.

Column Name	Type	Description
GROUPID	NUMBER	The foreign key to the L2_GROUP table.
SESCOUNT	NUMBER	The number of sessions.

L3_DATEXSITEXGROUPXVISCOUNT

This table stores the number of visitors a group receives on a daily basis.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
GROUPID	NUMBER	The foreign key to the L2_GROUP table.
VISCOUNT	NUMBER	The number of visitors.

L3_WEEKXSITEXGROUPXVISCOUNT

This table stores the number of visitors a group receives on a weekly basis.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
GROUPID	NUMBER	The foreign key to the L2_GROUP table.
VISCOUNT	NUMBER	The number of visitors.

L3_MONTHXSITEXGROUPXVISCOUNT

This table stores the number of visitors a group receives on a monthly basis.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
GROUPID	NUMBER	The foreign key to the L2_GROUP table.
VISCOUNT	NUMBER	The number of visitors.

L3_DATEXSITEXREGIONXCOUNT

Reserved for internal use. This table stores the number of object impressions, sessions, and visitors that occur daily for each region.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
REGIONID	NUMBER	The foreign key to the HELP_REGION table.
OICOUNT	NUMBER	The number of object impressions from that region on the site for the day.
VISCOUNT	NUMBER	The number of visitors from that region on the site for the day.
SESCOUNT	NUMBER	The number of sessions from that region on the site for the day.

L3_WEEKXSITEXREGIONXCOUNT

Reserved for internal use. This table stores the number of object impressions, sessions, and visitors that occur weekly for each region.

Column Name	Type	Description
DATEID	NUMBER	Foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	Foreign key to the SITE table.
REGIONID	NUMBER	Foreign key to the HELP_REGION table.
OICOUNT	NUMBER	The number of object impressions from that region on the site for the week.
VISCOUNT	NUMBER	The number of visitors from that region on the site for the week.
SESCOUNT	NUMBER	The number of sessions from that region, on the site for the week.

L3_MONTHXSITEXREGIONXCOUNT

Reserved for internal use. This table stores the number of object impressions, sessions, and visitors that occur monthly for each region.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
REGIONID	NUMBER	The foreign key to the HELP_REGION table.
OICOUNT	NUMBER	The number of object impressions from that region on the site for the month.
VISCOUNT	NUMBER	The number of visitors from that region on the site for the month.
SESCOUNT	NUMBER	The number of sessions from that region on the site for the month.

L3_DATEXSITEXJS

This table stores the number of clients that use JavaScript.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
VALUE	NUMBER	This stores either <code>true</code> or <code>false</code> .
COUNT	NUMBER	The number of object impressions with that <code>VALUE</code> .

L3_DATEXSITEXOBJECTXDURATION

This table stores the length of time that users view an object.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
OBJECTID	NUMBER (12)	The foreign key to the L2_OBJECT table.

Column Name	Type	Description
DURATION	NUMBER	The number of seconds until the user called another page.
COUNT	NUMBER	The number of data rows from which the duration is calculated.

L3_DATEXSITEXBROWSERXCOUNT

This table stores the number of sessions a type of browser has completed.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
BROWSERID	NUMBER (12)	The foreign key to the L2_BROWSER table.
COUNT	NUMBER	The number of sessions a browser has completed.

L3_DATEXSITEXCOUNTRYXCOUNT

This table stores aggregated data for each country, for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
COUNTRYID	NUMBER (12)	The foreign key to the HELP_COUNTRY table.
COUNT	NUMBER	The number of sessions for this site, on this date.
OICOUNT	NUMBER	The number of object impressions for this site, on this date.
VISCOUNT	NUMBER	The number of visitors for this site, on this date.

L3_WEEKXSITEXCOUNTRYXCOUNT

This table stores aggregated data for each country, for the given week.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
COUNTRYID	NUMBER (12)	The foreign key to the HELP_COUNTRY table.
COUNT	NUMBER	The number of sessions for this site, within this week.
OICOUNT	NUMBER	The number of object impressions for this site, within this week.
VISCOUNT	NUMBER	The number of visitors for this site, within this week.

L3_MONTHXSITEXCOUNTRYXCOUNT

This table stores aggregated data for each country, for the given month.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
COUNTRYID	NUMBER (12)	The foreign key to the HELP_COUNTRY table.
COUNT	NUMBER	The number of sessions for this site, on this date.
OICOUNT	NUMBER	The number of object impressions for this site, on this date.
VISCOUNT	NUMBER	The number of visitors for this site, on this date.

L3_DATEXSITEXENTRYIDXCOUNT

This table stores entry page data for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.

Column Name	Type	Description
OBJECTID	NUMBER	The foreign key to the L2_OBJECT table.
COUNT	NUMBER	How often this object was used as an entry page.

L3_DATEXSITEXEXITIDXCOUNT

This table stores exit page data for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
OBJECTID	NUMBER	The foreign key to the L2_OBJECT table.
COUNT	NUMBER	How often this object was used as an exit page.

L3_DATEXSITEXHOSTNAMEXCOUNT

This table stores the number of sessions for the given host name on the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
HOSTNAME	VARCHAR2 (64 BYTE)	The name of the host.
COUNT	NUMBER	The number of sessions for this host.

L3_DATEXSITEXINTERNALSEARCH

This table stores aggregated data of internal searches for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
QUERY	VARCHAR2 (2049 BYTE)	The query string that was searched.
COUNT	NUMBER	How often the query was searched.

Column Name	Type	Description
AVGHITS	NUMBER	The average number of search results.
MAXHITS	NUMBER	The maximum number of search results.
MINHITS	NUMBER	The minimum number of search results
OBJECTTYPEID	NUMBER	The foreign key to L2_OBJECTTYPE of the query.

L3_DATEXSITEXIPXCOUNT

This table stores the number of sessions for the given IP address and date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
IP	VARCHAR2 (15 BYTE)	The IP address.
COUNT	NUMBER	The number of sessions for the IP address on the site for the day.

L3_DATEXSITEXOBJECTTYPEXCOUNT

This table stores aggregated data for each object type for the given date and hour.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
OBJECTTYPEID	NUMBER (12)	The foreign key to the L2_OBJECTTYPE table.
COUNT	NUMBER	The number of object impressions of that object type for the site, for the day in that hour.
HOURL	VARCHAR2 (2 BYTE)	The hour of the object impressions.

L3_DATEXSITEXOBJECTXCOUNT

This table stores aggregated data for each object, for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
OBJECTID	NUMBER (12)	The foreign key to the L2_OBJECT table.
COUNT	NUMBER	The number of object impressions.

L3_DATEXSITEXOSXCOUNT

This table stores the number of sessions for each operating system, for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
OSID	NUMBER (12)	The foreign key to the L2_OS table.
COUNT	NUMBER	The number of sessions for the operating system.

L3_DATEXSITEXREFERERXCOUNT

This table stores the number of sessions for each referrer URL, for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
REFERER	VARCHAR2 (500 BYTE)	The referrer URL.
COUNT	NUMBER	The number of sessions from the referrer URL.

L3_DATEXSITEXSCREENRESXCOUNT

This table stores the number of sessions for each screen resolution, for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
SCREENRESOLUTIONID	NUMBER (12)	The foreign key to the L2_SCREENRESOLUTION table.
COUNT	NUMBER	The number of sessions with that screen resolution.

L3_DATEXSITEXSESSION

This table stores session information for each site, for the given date.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
AVG	NUMBER	Average duration of all sessions included in the line.
DURATIONQUANTIL	NUMBER	<ul style="list-style-type: none"> Null for sessions without a valid session ID. 0 for sessions with a length of 0 seconds. 1 for sessions between 1 and 30 seconds. 30 for sessions between 30 and 120 seconds. 120 for sessions between 120 and 300 seconds. 300 for sessions between 300 and 900 seconds. 900 for sessions between 900 and 1800 seconds. 1800 for sessions between 1,800 and 3,600 seconds. 3600 for sessions between 3,600 and 86,400 seconds.
QUANTILCOUNT	NUMBER	The number of sessions in the quantile.
PICOUNT	NUMBER	The number of object impressions in the quantile.

L3_DATEXSITEXSESSIONXQUANTIL

This table stores session information based on quantile.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
SUM	NUMBER	The number of sessions.
AVG	NUMBER	Average duration of these sessions.
QUAN0	NUMBER	The number of sessions with a length of '0'.
QUAN0AVG	NUMBER	Average duration of all sessions from this quantile.
QUAN1	NUMBER	The number of sessions with a length between 1 and 30 seconds.
QUAN1AVG	NUMBER	Average duration of all sessions from this quantile.
QUAN30	NUMBER	The number of sessions with a length between 31 and 120 seconds (2 minutes).
QUAN30AVG	NUMBER	Average duration of all sessions from this quantile.
QUAN120	NUMBER	The number of sessions with a length between 121 and 300 seconds (5 minutes).
QUAN120AVG	NUMBER	The average duration of all sessions from this quantile.
QUAN300	NUMBER	The number of sessions with a length between 301 and 900 seconds (15 minutes).
QUAN300AVG	NUMBER	The average duration of all sessions from this quantile.
QUAN900	NUMBER	The number of sessions with a length between 901 and 1800 seconds (30 minutes).
QUAN900AVG	NUMBER	The average duration of all sessions from this quantile.
QUAN1800	NUMBER	The number of sessions with a length between 1801 and 3600 seconds (one hour).
QUAN1800AVG	NUMBER	The average duration of all sessions from this quantile.

Column Name	Type	Description
QUAN3600	NUMBER	The number of sessions with a length between 3601 and 86400 seconds (one week).
QUAN3600AVG	NUMBER	The average duration of all sessions from this quantile.
QUAN86400	NUMBER	The number of sessions with a length exceeding 86400 seconds (more than one week).
QUAN86400AVG	NUMBER	The average duration of all sessions from this quantile.
QUANNULL	NUMBER	The number of sessions with a length of '0' and a SESSIONID of null (no cookie sessions).
QUANNULLAVG	NUMBER	Reserved for internal use.
PICOUNT	NUMBER	The number of object impressions in the quantile.

L3_DATEXSITEXSEXKEYWORDXCOUNT

This table stores the daily number of sessions that start with a given keyword.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
SEARCHENGINEID	NUMBER	The foreign key to the L2_SCREENRESOLUTION table.
KEYWORD	VARCHAR2 (128 BYTE)	The search phrase.
COUNT	NUMBER	The number of sessions started with the referrer and the phrase from the search engine.

L3_DATEXSITEXVISITORXCOUNT

This table stores the daily number of sessions for each visitor.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.

Column Name	Type	Description
COUNT	NUMBER	The number of visitors to the site for the day.
SESCOUNT	NUMBER	The number of sessions for the site for the day.
PICOUNT	NUMBER	The number of object impressions on the site for the day.
NEW	NUMBER	The number of new visitors on the site for the day.

L3_WEEKXSITEXVISITORXCOUNT

This table stores the weekly number of sessions for each visitor.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
COUNT	NUMBER	The number of visitors on the site for the week
SESCOUNT	NUMBER	The number of sessions on the site for the week.
PICOUNT	NUMBER	The number of object impressions on the site for the week.
NEW	NUMBER	The number of visitors on the site for the week.

L3_MONTHXSITEXVISITORXCOUNT

This table stores the monthly number of sessions for each visitor.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
SITEID	NUMBER (6)	The foreign key to the SITE table.
COUNT	NUMBER	The number of visitors on the site for the month.
SESCOUNT	NUMBER	The number of sessions on the site for the month.
PICOUNT	NUMBER	The number of object impressions on the site for the month.

Column Name	Type	Description
NEW	NUMBER	The number of new visitors on the site for the month.

REC_L3_RECXCOUNT

This table stores the number of recommendations that were displayed and clicked on a given day.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
RECID	NUMBER (6)	The foreign key to the REC_RECOMMENDATION table.
VIEWCOUNT	NUMBER (12)	Number of times the recommendation was displayed.
CLICKCOUNT	NUMBER (12)	Number of times the recommendation was clicked.

REC_L3_RECXSEGXCOUNT

This table stores the number of recommendations that were displayed and clicked by a given segment on a given day.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
RECID	NUMBER (6)	The foreign key to the REC_RECOMMENDATION table.
SEGID	NUMBER (6)	The foreign key to the REC_SEGMENT table.
VIEWCOUNT	NUMBER (12)	Number of times the recommendation was displayed by that segment.
CLICKCOUNT	NUMBER (12)	Number of times the recommendation was clicked by that segment.

REC_L3_RECXSEGXOBJXCOUNT

This table stores the number of times an object was accessed on a given day by a specific segment of a specific recommendation.

Column Name	Type	Description
DATEID	NUMBER	The foreign key to the HELP_DATES table.
RECID	NUMBER (6)	The foreign key to the REC_RECOMMENDATION table.
SEGID	NUMBER (6)	The foreign key to the REC_SEGMENT table.
OBJID	NUMBER (24)	The foreign key to the L2_OBJECT table.
OBJVIEWEDCOUNT	NUMBER (12)	How often the object was displayed during a recommendation list.
OBJCLICKEDCOUNT	NUMBER (12)	How often the object was clicked during a recommendation list.

HELP Tables

Tables in this section store static data that is used by various jobs and reports. The tables are populated at installation time.

HELP_CITY

Reserved for internal use.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64)	The name of the city.
COUNTRYID	NUMBER	The foreign key to the HELP_COUNTRY table.

HELP_REGION

Reserved for internal use.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (128 BYTE)	The name of the region.
COUNTRYID	NUMBER	The foreign key to the HELP_COUNTRY table.
REGIONCODE	VARCHAR2 (2)	The foreign key to the HELP_REGION table.

HELP_COUNTRY

This table stores detailed information about countries.

Column Name	Type	Description
ID	NUMBER	The primary key.
CODE	VARCHAR2 (5 BYTE)	The two letter country code.
NAME	VARCHAR2 (50 BYTE)	The name of the country.
POPULATION	NUMBER (14)	The population of the country.

HELP_DATES

This table has one entry for each day. It is used and referenced for performance reasons.

Column Name	Type	Description
ID	NUMBER	The primary key.
DAT	DATE	The date (midnight).
STRDAT	VARCHAR2 (10 BYTE)	The date as yyyy-mm-dd string.

HELP_HOURS

This table has one entry for hour (00–23). It is used and referenced for performance reasons.

Column Name	Type	Description
HOUR	NUMBER	The hour (0-based).
STRHOUR	VARCHAR2 (2 BYTE)	A String representing an hour (any value between 00 and 23).

System Configuration and Maintenance Tables

Tables in this section are used to configure and maintain the system.

ACCESSRIGHT

This table defines access rights. A user gains access when one of its user groups has access to reports on the site.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
SITE	NUMBER (12)	The foreign key to the SITE table.
REPORT	NUMBER (12)	The foreign key to the REPORT table.
USERGROUP	NUMBER (12)	The foreign key to the USERGROUP table.

BROWSERGROUP

This table stores the names of browser groups. For example, group “Internet Explorer” includes Internet Explorer 6 and 7. Each browser is individually listed in the [L2_BROWSER](#) table.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64 BYTE)	The name of the group. Legal values: Any value up to 64 characters.

BROWSERIDENTIFICATION

This table is used to identify browsers based on the browser's agent string. If the agent string contains the pattern of an entry for this table, then the agent is assigned to the browser. If an agent string matches more than one record of this table, the record with the highest priority is taken.

Column Name	Type	Description
ID	INTEGER	The primary key.
BROWSERID	INTEGER	The foreign key to an L2_BROWSER record which assigns the agent to a browser if the pattern applies.
PATTERN	VARCHAR2 (50 BYTE)	The pattern to identify the browser with.
PRIORITY	INTEGER	The priority to use if an agent string applies to more than one record.

IP2COUNTRYCITY_BLOCKS

Reserved for internal use. This table stores information related to an IP address.

Column Name	Type	Description
IPFROM	NUMBER	Limit this information for addresses above this value.
IPTO	NUMBER	Limit this information for addresses below this value.
LOCATIONID	NUMBER	This column is not used.
COUNTRYID	NUMBER	The foreign key to a HELP_COUNTRY record for a given IP address.
CITYID	NUMBER	The foreign key to a HELP_CITY record for a given IP address.
REGIONID	NUMBER	The foreign key to a HELP_CITY record for a given IP address.
ISPID	NUMBER	Used for custom report development only.

IPQUICKLIST

This table caches information calculated from the [IP2COUNTRYCITY_BLOCKS](#) table for fast access.

Column Name	Type	Description
IP	NUMBER	The IP address the information is related to.
ISPID	NUMBER	Used for custom report development only.
REGIONID	NUMBER	The foreign key to a HELP_REGION record that the IP address belongs to.
CITYID	NUMBER	The foreign key to a HELP_CITY record that the IP address belongs to.
COUNTRYID	NUMBER	The foreign key to a HELP_COUNTRY record that the IP address belongs to.

ESUSER

This table stores all valid users who are able to log in to FatWire Analytics.

Column Name	Type	Description
ID	NUMBER	The primary key.
USERNAME	VARCHAR2 (255 BYTE)	The username to log in.
FIRSTNAME	VARCHAR2 (255 BYTE)	The first name of the user.
LASTNAME	VARCHAR2 (255 BYTE)	The last name of the user.
PASSWORD	VARCHAR2 (255 BYTE)	The password of the user (md5hash).
DISABLED	NUMBER	Specifies whether the user account is disabled.
DELETED	NUMBER	Disables the account.
ISADMIN	NUMBER	Defines if the user is able to use the administrator's interface. Use 1 to allow this.
DEFAULTSITEID	NUMBER	The foreign key to a SITE record to use when the user logs in.

IP2COUNTRY

This table stores the IP to country mappings.

Column Name	Type	Description
IPFROM	NUMBER (16)	The start IP address of the mapping.
IPTO	NUMBER (16)	The end IP address of the mapping.
REGISTRY	VARCHAR2 (16 BYTE)	Reserved for internal use.
ASSIGNED	VARCHAR2 (16 BYTE)	Reserved for internal use.
CTRY	VARCHAR2 (16 BYTE)	Reserved for internal use.
CNTRY	VARCHAR2 (16 BYTE)	Reserved for internal use.
COUNTRY	VARCHAR2 (32 BYTE)	The foreign key to the HELP_COUNTRY table.

IPBLACKLIST

This table stores single IP addresses whose records will be ignored during the normalization process.

Column Name	Type	Description
IP	VARCHAR2 (15 BYTE)	The IP address to ignore.
SITEID	NUMBER	The foreign key to the SITE table for the IP address that will be ignored.

OBJECTYPEGROUP

This table defines object type groups.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64 BYTE)	The name of the object type group.

SETTING

This table stores various settings in a `key=value` schema, which are used by database jobs or other parts of the application.

Column Name	Type	Description
NAME	VARCHAR2 (255 BYTE)	The name of the setting.
VALUE	VARCHAR2 (255 BYTE)	The value of the setting.
ID	NUMBER	The primary key.

OSGROUP

This table stores the names of operating system groups. For example, group “Windows NT” contains Windows NT4, 2000, and XP. Each operating system is individually listed in the [L2_OS](#) table.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64 BYTE)	The name of the group. Legal values: Any string up to 64 characters.
ICONPATH	VARCHAR2 (64 BYTE)	The name and path of the icon shown in the “Operating Systems” report. This path is appended to the <code>IMGPATH</code> parameter which is defined in the <code>global.xml</code> configuration file.

OSIDENTIFICATION

This table is used to identify operating systems based on the browser's agent string. If the agent string contains the pattern of an entry in this table, the agent is assigned to the operating system. If an agent string matches more than one record in this table, the record with the highest priority is taken.

Column Name	Type	Description
ID	INTEGER	The primary key.
OSID	INTEGER	The foreign key to an L2_OS record to the operating system the agent is assigned to if the pattern applies.
PATTERN	VARCHAR2 (50 BYTE)	The pattern to identify the operating system.
PRIORITY	INTEGER	The priority to use if an agent string applies to more than one record.

REC_RECOMMENDATION

This table defines all recommendations for the Engage reports.

Column Name	Type	Description
ID	NUMBER (6)	The primary key.
NAME	VARCHAR2 (125 BYTE)	The name of the recommendation.
DELETED	NUMBER (1)	Marks the record as deleted. (0= false, 1= true).
SITEID	NUMBER (12)	The foreign key to the SITE table to match this recommendation to a site.
RECOMMENDATIONID	VARCHAR2 (21 BYTE)	The Content Server recommendation asset ID of this recommendation.
DISABLED	NUMBER (1)	Must be set to '0'. Reserved for internal use.

REC_SEGMENT

This table defines all segments for the Engage reports.

Column Name	Type	Description
ID	NUMBER (6)	The primary key.
NAME	VARCHAR2 (124 BYTE)	The name of the segment.
DELETED	NUMBER (1)	Mark this record as deleted. ('0'= False, '1'= True).
SITEID	NUMBER (12)	The foreign key to the SITE table, to match this segment to a site.
SEGMENTID	VARCHAR2 (21 BYTE)	The Content Server segment asset ID of this segment.
DISABLED	NUMBER (1)	Must be set to '0'. Reserved for internal use.

REPORT

Reports are defined in this table (one line per report).

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR2 (256 BYTE)	The name of the report.
CONFIGPATH	VARCHAR2 (256 BYTE)	This points to the XML configuration file of the report that is relative to the REPORT_INSTDIR parameter in the global.xml configuration file.

REPORT2REPORTGROUP

This table stores the assignment of a report to its group in the report selection panel.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
REPORT	NUMBER (12)	The foreign key to the REPORT table.
REPORTGROUP	NUMBER (12)	The foreign key to the REPORTGROUP record.

REPORTGROUP

This table defines the report groups that are available in the report selection panel.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR2 (32 BYTE)	The name of the group.
PRIORITY	NUMBER	The priority of the group. If a report is assigned to more than one group, then the group with the highest priority is used by default.

REPORTPARAMETER

This table stores additional parameters to a report in a key=value schema.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (128 BYTE)	The name of the parameter.
VALUE	VARCHAR2 (128 BYTE)	The value of the parameter.
REPORTID	NUMBER	The foreign key to a REPORT record.

SEARCHENGINEGROUP

This table stores the names of search engine groups (for example, group “Google” contains `google.com/.ca/.de`). Each search engine is individually listed in the [L2_SCREENRESOLUTION](#) table.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64 BYTE)	The name of the group. Legal values: Any value up to 64 characters.
ICONPATH	VARCHAR2 (64 BYTE)	The name and path of the icon shown in the search engine report. This path is appended to the <code>imgpath</code> parameter defined in the <code>global.xml</code> configuration file.

SEARCHENGINEIDENT

This table is used to identify search engine referrers. If the referrer contains the pattern of an entry for this table, the session is assigned to the search engine. If a referrer's string matches more than one record in this table, the record with the highest priority is taken.

Column Name	Type	Description
ID	INTEGER	The primary key.
SEARCHENGINEID	INTEGER	The foreign key to an L2_SCREENRESOLUTION record for the search engine to which the session is assigned, if the pattern applies.
PRIORITY	INTEGER	The priority to use if a referrer string applies to more than one record.
PATTERN	VARCHAR2 (50 BYTE)	The pattern to identify the search engine.

SITE

This table stores all registered sites.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64 BYTE)	The name of the site written exactly as collected from the image tag.
LINK	VARCHAR2 (256 BYTE)	The URL of the site starting with <code>http://</code> . This URL will be used to link to the site from FatWire Analytics and to identify the internal referrer.
SCREENX	NUMBER	The screen width that the site is designed for. This is used for the "Screen Resolution" report.
SITEGROUPID	NUMBER	This column is used for custom reports only.
COUNTRYID	NUMBER	The foreign key to the HELP_COUNTRY record for the site.
STARTDATE	DATE	Stores the date when the site was registered with FatWire Analytics.
LONGNAME	VARCHAR2 (64 BYTE)	This is an optional, longer, more readable name for the site.
USERIDMETHOD	VARCHAR2 (64 BYTE)	Defines how to identify users.
DELETED	NUMBER (1)	This column is not used.
DISABLED	NUMBER (1)	This column is not used.

SITE2OBJECTTYPEGROUP

This table defines which object types are part of which object type group. This setting is site specific.

Column Name	Type	Description
ID	NUMBER	The primary key.
SITEID	NUMBER	The foreign key to a SITE record.
OBJECTTYPEGROUPID	NUMBER	The foreign key to the OBJECTTYPEGROUP table.
OBJECTTYPEID	NUMBER	The foreign key to an L2_OBJECTTYPE record.

SITEGROUP

This table is used by custom reports only.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (64 BYTE)	The name of the site group.

STATUSPARAMETER

This table stores system status information.

Column Name	Type	Description
NAME	VARCHAR2 (255 BYTE)	The name of the status parameter.
VALUE	VARCHAR2 (255 BYTE)	The value of the status parameter.
ID	NUMBER	The primary key.

STATUSPARAMETERHISTORY

This table stores all changes to the [STATUSPARAMETER](#) table.

Column Name	Type	Description
EDATE	DATE	Date when the values were changed.
NAME	VARCHAR2 (255 BYTE)	The name of the status parameter.
VALUE	VARCHAR2 (255 BYTE)	The value of the status parameter.

PI_SITEXOBJECTTYPE

This table defines whether the performance indicator is enabled for a site's object type.

Column Name	Type	Description
ID	NUMBER (21)	The primary key.
SITEID	NUMBER (21)	The foreign key to a SITE record.
OBJECTTYPEID	NUMBER (12)	The foreign key to an L2_OBJECTTYPE record.
ENABLE	NUMBER (1)	This defines if the performance indicator is enabled: '0' for false, '1' for true.

USER2USERGROUP

This table stores [ESAUUSER](#) to [USERGROUP](#) relations.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
ESAUUSER	NUMBER (12)	The foreign key to an ESAUUSER record.
USERGROUP	NUMBER (1)	The foreign key to a USERGROUP record.

USERGROUP

This table defines user groups.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR (128 BYTE)	The name of the user group.

L2_BROWSER

This table stores information about all known browsers used by the “Browsers” report.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR2 (500 BYTE)	The name of the browser.
BROWSERGROUPID	NUMBER	The foreign key to the BROWSERGROUP table. Reserved for internal use.
ICONPATH	VARCHAR2 (64 BYTE)	The image path of the browser.

L2_GROUP

This table is used by custom reports only.

Column Name	Type	Description
ID	NUMBER	The primary key.
NAME	VARCHAR2 (255 BYTE)	The name of the group.
PATH	VARCHAR2 (1024 BYTE)	The path string of the group.
PARENTID	NUMBER	The parent node, which is the foreign key to the L2_GROUP table.
EDATE	DATE	The date when added.
SITEID	NUMBER	The foreign key to the SITE table.

L2_OBJECT

This table stores information about all objects (assets). This table is populated on demand by the “normalize” database job.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
OBJECTTYPEID	NUMBER (24)	The foreign key to the L2_OBJECTTYPE table.
NAME	VARCHAR2 (255 BYTE)	The name of the object (asset). This value will be updated as soon as it changes.
OBJECTID	VARCHAR2 (255 BYTE)	The identification string of the object. Usually this is the Content Server's Asset ID.
URL	VARCHAR2 (256 BYTE)	The URL to link to this object.
SITEID	NUMBER	The foreign key to the L2_OBJECT table.

L2_OBJECTNAMEHISTORY

This table stores the previous names of the [L2_OBJECT](#) records.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
OBJECTID	NUMBER (24)	The foreign key to the L2_OBJECT table.
EDATE	DATE	The timestamp when the name was changed.
NAME	VARCHAR2 (255 BYTE)	The previous value.

L2_OBJECTTYPE

This table stores the names of all object types. These object types are referred to as “asset types” in Content Server.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR2 (128 BYTE)	The name of the object type.
DISABLED	NUMBER (1)	This column is not used.
DELETED	NUMBER (1)	This column is not used.

L2_OS

This table defines the operating systems in the “Operating Systems” report.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR2 (512 BYTE)	The name of the operating system.
OSGROUPID	NUMBER	The foreign key to the OSGROUP table.

L2_PIOBJECTTYPE

This table defines the sites and object types for which the performance indicator is enabled.

Column Name	Type	Description
SITEID	NUMBER	The foreign key to the site to enable the performance indicator.
OBJECTTYPEID	NUMBER	The foreign key to the L2_OBJECTTYPE table, to enable the performance indicator.

L2_SCREENRESOLUTION

This table stores known screen resolutions.

Column Name	Type	Description
ID	NUMBER	The primary key.
WIDTH	NUMBER	The width of the screen resolution.
HEIGHT	NUMBER	The height of the screen resolution.

L2_SEARCHENGINE

This table stores information about search engines that are used by the “External Search Engines” report.

Column Name	Type	Description
ID	NUMBER (12)	The primary key.
NAME	VARCHAR2 (512 BYTE)	The name of the search engine.
SEARCHENGINEGROUPID	NUMBER	The foreign key to the SEARCHENGINEGROUP table.
KEY	VARCHAR2 (16 BYTE)	The name of the parameter.

Database Indexes

This section lists the FatWire Analytics database tables and index names.

Table	Database Index Name	Columns
ACCESSRIGHT	ACCESSRIGHT_PK_IDX	ID
	IDX\$\$_55B10002	SITE, REPORT
BROWSERGROUP	BROWSERGROUP_PK_IDX	ID
BROWSERIDENTIFICATION	BROWSERIDENTIFICATION_PK_IDX	ID
ESAUSER	PK_USER	ID
HELP_CITY	CITY_COUNTRYID_IDX	COUNTRYID
	CITY_ID_IDX	ID
	CITY_NAME_IDX	NAME
HELP_COUNTRY	COUNTRY_CODE_IDX	CODE
	COUNTRY_ID_IDX	ID
HELP_DATES	HELP_DATES_DAT_IDX	DAT
	IDX\$\$_4C6E0002	ID
	<AUTO GENERATED VALUE>	STRDAT
System Configuration and Maintenance Tables	HELP_IMPORT2STAT_PK1	U_ID
HELP_REGION	REGION_COUNTRYID_CODE_IDX	COUNTRYID, REGIONCODE
	REGION_ID_IDX	ID
IPBLACKLIST	IPBLACKLIST_IP_IDX	IP
IPQUICKLIST	PK_IPQUICKLIST_IDX	IP
IP2COUNTRY	IP2COUNTRY_IPFROM_IDX	IPFROM
	IP2COUNTRY_IPTO_IDX	IPTO
IP2COUNTRYCITY_BLOCKS	PK_IP2COUNTRYCITY_BLOCKS_IDX	IPTO,IPFROM
L2_BROWSER	PK_L2_BROWSER	ID
L2_GROUP	GROUP_ID_IDX	ID
L2_OBJECT	L2_OBJECT_NAME_IDX	NAME
	L2_OBJECT_OBJECTID_IDX	OBJECTID
	L2_OBJECT_OBJECTTYPEID_IDX	OBJECTTYPEID
	PK_L2_OBJECT	ID
L2_OBJECTNAMEHISTORY	L2_OJECTNH_OBJECTID_IDX	OBJECTID
	PK_L2_OBJECTNAMEHISTORY	ID
L2_OBJECTTYPE	L2_OBJECTTYPE_NAME_IDX	NAME
	PK_L2_OBJECTTYPE	ID
L2_OS	INDEX PK_L2_OS	ID
L3_DATEXSITEXBROWSERXCOUNT	IDX44_4BFF0003	DATEID
L3_DATEXSITEXCITYXCOUNT	L3_CITY_DATE_IDX	DATEID

Table	Database Index Name	Columns
L3_DATEXSITEXCOUNTRYXCOUNT	L3_COUNTRY_DATE_IDX	DATEID
L3_DATEXSITEXDLXMIMEXCOUNT	L3_DL_MIME_IDX	DATEID
L3_DATEXSITEXENTRYIDXCOUNT	IDX\$\$_4BFF0005	DATEID
	IDX\$\$_4C6D0001	SITEID
L3_DATEXSITEXEXITIDXCOUNT	IDX\$\$_4BFF0006	DATEID
	IDX\$\$_4C6E0001	SITEID
L3_DATEXSITEXGROUPXOICOUNT	L3_GROUP_OI_IDX	DATEID
L3_DATEXSITEXGROUPXSESCOUNT	L3_GROUP_SES_IDX	DATEID
L3_DATEXSITEXGROUPXVISCOUNT	L3_GROUP_VIS_DATE_IDX	DATEID
L3_DATEXSITEXHOSTNAMEXCOUNT	IDX\$\$_4BFF0007	DATEID
L3_DATEXSITEXREGIONXCOUNT	L3_ISP_DATE_IDX	DATEID
L3_DATEXSITEXJS	L3_JS_IDX	DATEID
L3_DATEXSITEXOBJECTTYPEXCOUNT	IDX\$\$_4BFF0002	DATEID
CS_L3DATEXSITEXOBJXCOUNT	IDX\$\$_4BFF0001	DATEID
	IDX\$\$_4C1D0001	OBJECTID
L3_DATEXSITEXOBJECTXDURATION	L3_DURATION_IDX	DATEID
L3_MONTHXSITEXREGIONXCOUNT	L3_REGION_DATE_IDX	DATEID
L3_DATEXSITEXSESSIONXQUANTIL	<AUTO GENERATED VALUE>	DATEID, SITEID
L3_MONTHXSITEXCITYXCOUNT	L3_CITY_MONTH_IDX	DATEID
L3_MONTHXSITEXCOUNTRYXCOUNT	L3_COUNTRY_MONTH_IDX	DATEID
L3_MONTHXSITEXGROUPXVISCOUNT	L3_GROUP_VIS_MONTH_IDX	DATEID
L3_MONTHXSITEXREGIONXCOUNT	L3_REGION_MONTH_IDX	DATEID
L3_WEEKXSITEXCITYXCOUNT	L3_CITY_WEEK_IDX	DATEID
L3_WEEKXSITEXCOUNTRYXCOUNT	L3_COUNTRY_WEEK_IDX	DATEID
L3_WEEKXSITEXGROUPXVISCOUNT	L3_GROUP_VIS_WEEK_IDX	DATEID
OSIDENTIFICATION	OSIDPRIM	ID
REC_L3_RECXSEGXCOUNT	<AUTO GENERATED VALUE>	DATEID, SEGID, RECID
REC_L3_RECXSEGXOBJXCOUNT	<AUTO GENERATED VALUE>	DATEID, SEGID, RECID, OBJID
REC_RECOMMENDATION	PK_REC_RECOMMENDATION	ID
	<AUTO GENERATED VALUE>	RECOMMENDATIONID
REC_SEGMENT	REC_RECOMMENDATION	ID
	<AUTO GENERATED VALUE>	SEGMENTID
REPORT	PK_REPORT	ID
	UNIQUE_REPORT_NAME	NAME

Table	Database Index Name	Columns
REPORTPARAMETER	PK_REPORTPARAMETER	ID
	UNIQUE_NAME_REPORTID	REPORTID, NAME
REPORT2REPORTGROUP	PK_REPORT2REPORTGROUP	ID
SETTING	PK_SETTING	ID
SITE	PK_SITE	ID
	<AUTO GENERATED VALUE>	NAME
STATUSPARAMETER	PK_STATUSPARAMETER	ID
	<AUTO GENERATED VALUE>	NAME
USERGROUP	PK_USERGROUP	ID
USER2USERGROUP	IDX\$\$_55B10001	ESAUSER
	PK_USER2USERGROUP	ID