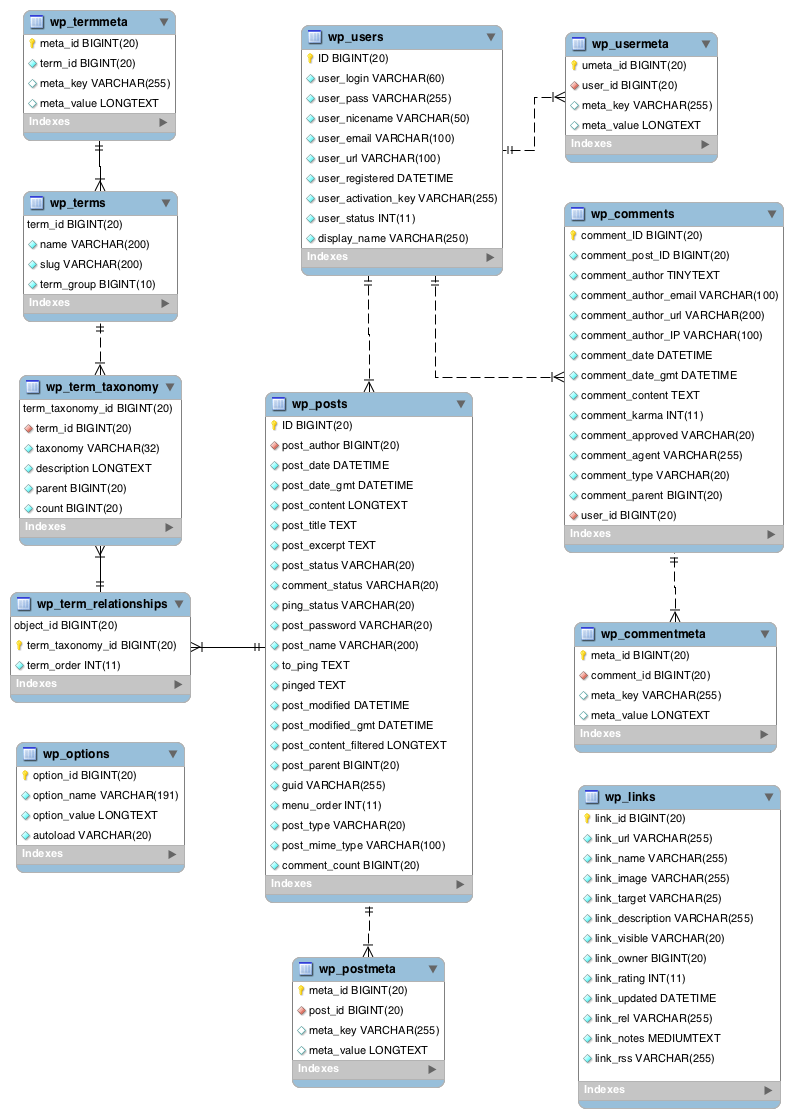
# WordPress数据库表格及其结构详解

本文是关于WordPress 3.4版本标准安装后的数据库表结构的描述. 目前, WordPress仅支持5.0.15以上版本的MySQL数据库和任意版本的MariaDB.

你也可以查看早期版本的数据库描述WordPress 1.5 ~ 3.3(本文英文的原文链接附在最后, 如有需要可以自行查看).

## 数据库表结构关系图(E-R图)

下面这张图表描述了标准安装的WordPress所带的表的结构和关系, 这张简略图包含了表和列的一些额外信息.



值得注意的是在WordPress的标准安装中, 并没有强制保持数据的完整性, 例如在posts表和comments表. 如果你创建了一个涉及操作WordPress的插件或扩展, 那么的你的代码必须做好”管家”的工作, 不要让无关联的记录遗留在数据表中. 即当删除外键时, 也要用一组SQL命令删除其他表中相关联的记录.

## 数据表总览

本节的内容是展示在WordPress标准安装中生成的所有的表的总览. 后接描述各张表存储那些信息.

|  |  |  |
| --- | --- | --- |
| WordPress 3.8 Tables (11) | | |
| Table Name | Description | Relevant Area(s) of WordPress User Interface |
| [wp\_commentmeta](https://codex.wordpress.org/Database_Description#Table:_wp_commentmeta) | Each **comment** features information called the **meta data** and it is stored in the wp\_commentmeta. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Comments](https://codex.wordpress.org/Administration_Panels#Comments) > [Comments](https://codex.wordpress.org/Comments_Comments_SubPanel) |
| [wp\_comments](https://codex.wordpress.org/Database_Description#Table:_wp_comments) | The **comments** within WordPress are stored in the wp\_comments table. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Comments](https://codex.wordpress.org/Administration_Panels#Comments) > [Comments](https://codex.wordpress.org/Comments_Comments_SubPanel) |
| [wp\_links](https://codex.wordpress.org/Database_Description#Table:_wp_links) | The wp\_links holds information related to the **links** entered into the [Links](https://codex.wordpress.org/Administration_Panels#Links_-_Putting_the_Inter_in_the_Internet) feature of WordPress.*(This feature has been deprecated, but can be re-enabled with the*[*Links Manager*](http://wordpress.org/extend/plugins/link-manager/)*plugin.)* | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Links](https://codex.wordpress.org/Administration_Panels#Add_New_Link) > [Add New](https://codex.wordpress.org/Links_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Links](https://codex.wordpress.org/Administration_Panels#Edit_Links) > [Links](https://codex.wordpress.org/Links_Links_SubPanel) |
| [wp\_options](https://codex.wordpress.org/Database_Description#Table:_wp_options) | The [Options](https://codex.wordpress.org/Administration_Panels#Settings) set under the**Administration >**[Settings](https://codex.wordpress.org/Administration_Panels#Settings) panel are stored in the wp\_options table. See [Option Reference](https://codex.wordpress.org/Option_Reference) for option\_nameand default values. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Settings](https://codex.wordpress.org/Administration_Panels#Settings) > [General](https://codex.wordpress.org/Settings_General_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Settings](https://codex.wordpress.org/Administration_Panels#Settings) > [Writing](https://codex.wordpress.org/Settings_Writing_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Settings](https://codex.wordpress.org/Administration_Panels#Settings) > [Reading](https://codex.wordpress.org/Settings_Reading_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Settings](https://codex.wordpress.org/Administration_Panels#Settings) > [Discussion](https://codex.wordpress.org/Settings_Discussion_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Settings](https://codex.wordpress.org/Administration_Panels#Settings) > [Privacy](https://codex.wordpress.org/Settings_Privacy_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Settings](https://codex.wordpress.org/Administration_Panels#Settings) > [Permalinks](https://codex.wordpress.org/Settings_Permalinks_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Appearance](https://codex.wordpress.org/Administration_Panels#Widgets) > [Widgets](https://codex.wordpress.org/Appearance_Widgets_SubPanel) |
| [wp\_postmeta](https://codex.wordpress.org/Database_Description#Table:_wp_postmeta) | Each **post** features information called the **meta data** and it is stored in the wp\_postmeta. Some plugins may add their own information to this table. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Add_New_Post) > [Add New](https://codex.wordpress.org/Posts_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Pages](https://codex.wordpress.org/Administration_Panels#Add_New_Page) > [Add New](https://codex.wordpress.org/Pages_Add_New_SubPanel) |
| [wp\_posts](https://codex.wordpress.org/Database_Description#Table:_wp_posts) | The core of the WordPress data is the [**posts**](https://codex.wordpress.org/Glossary#Post). It is stored in thewp\_posts table. Also [Pages](https://codex.wordpress.org/Glossary#Page) and navigation menu items are stored in this table. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Add_New_Post) > [Add New](https://codex.wordpress.org/Posts_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Posts) > [Posts](https://codex.wordpress.org/Posts_Posts_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Pages](https://codex.wordpress.org/Administration_Panels#Add_New_Page) > [Add New](https://codex.wordpress.org/Pages_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Pages](https://codex.wordpress.org/Administration_Panels#Pages) > [Pages](https://codex.wordpress.org/Pages_Pages_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Media](https://codex.wordpress.org/Administration_Panels#Upload_New_Media) > [Add New](https://codex.wordpress.org/Media_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Media](https://codex.wordpress.org/Administration_Panels#Media_Library) > [Library](https://codex.wordpress.org/Media_Library_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Appearance](https://codex.wordpress.org/Administration_Panels#Appearance) > [Menus](https://codex.wordpress.org/Appearance_Menus_SubPanel) |
| [wp\_terms](https://codex.wordpress.org/Database_Description#Table:_wp_terms) | The **categories** for both posts and links and the **tags** for posts are found within the wp\_terms table. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Post_Tags) > [Post Tags](https://codex.wordpress.org/Posts_Post_Tags_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Categories) > [Categories](https://codex.wordpress.org/Posts_Categories_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Links](https://codex.wordpress.org/Administration_Panels#Link_Categories) > [Link Categories](https://codex.wordpress.org/Links_Link_Categories_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Add_New_Post) > [Add New](https://codex.wordpress.org/Posts_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Posts](https://codex.wordpress.org/Administration_Panels#Posts) > [Posts](https://codex.wordpress.org/Posts_Posts_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Pages](https://codex.wordpress.org/Administration_Panels#Add_New_Page) > [Add New](https://codex.wordpress.org/Pages_Add_New_SubPanel) * [Administration](https://codex.wordpress.org/Administration_Panels) > [Page](https://codex.wordpress.org/Administration_Panels#Pages) > [Pages](https://codex.wordpress.org/Pages_Pages_SubPanel) |
| [wp\_term\_relationships](https://codex.wordpress.org/Database_Description#Table:_wp_term_relationships) | **Posts** are associated with categories and tags from the wp\_terms table and this association is maintained in the wp\_term\_relationships table. The association of **links** to their respective categories are also kept in this table. |
| [wp\_term\_taxonomy](https://codex.wordpress.org/Database_Description#Table:_wp_term_taxonomy) | This table describes the taxonomy (**category**, **link**, or **tag**) for the entries in the wp\_terms table. |
| [wp\_usermeta](https://codex.wordpress.org/Database_Description#Table:_wp_usermeta) | Each **user** features information called the **meta data** and it is stored in wp\_usermeta. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Users](https://codex.wordpress.org/Administration_Panels#Users) |
| [wp\_users](https://codex.wordpress.org/Database_Description#Table:_wp_users) | The list of **users** is maintained in table wp\_users. | * [Administration](https://codex.wordpress.org/Administration_Panels) > [Users](https://codex.wordpress.org/Administration_Panels#Users) |

1. wp\_commentmeta：存储 Akismet 或手工审核的评论是否为垃圾评论的判断结果；
2. wp\_comments：存储评论信息，如评论内容、评论所属文章、评论人昵称、邮箱、URL 等；
3. wp\_links：存储友情链接信息，如友链名称、URL、打开方式、描述、是否可见等；
4. wp\_options：存储 WordPress 系统默认及后台系统选项、插件及主题配置信息，包括网站标题、副标题、当前主题等等；
5. wp\_postmeta：存储文章的一些相关信息，如文章附件图片的 alt 信息、文章所在分类的 URL 以及文章自定义的自定义字段，其中可能就有文章访问次数等；
6. wp\_posts：存储文章信息，包括文章标题、正文、摘要、作者、发布时间、访问密码、评论数、修改时间、文章地址等；
7. wp\_termeta：存储对菜单分类的更多设置，属于开发性功能居多，例如分类目录的缩略图、颜色标识等；
8. wp\_terms：存储菜单分类、标签分类名称及 URL 信息；
9. wp\_term\_relationships：存储文章和分类、标签的相互对应关系；
10. wp\_term\_taxonomy：存储分类和标签的描述信息、父子关系、所属包含的文章数等；
11. wp\_usermeta：存储用户的姓名、昵称、权限等信息；
12. wp\_users：存储用户名、密码、昵称、邮箱、注册时间等信息；

## 表结构详解

接下来是WordPress标准安装生成的每张表的字段解析.

### 表: wp\_commentmeta

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| meta\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| comment\_id | bigint(20) unsigned |  | IND | 0 | 对应评论ID |
| meta\_key | varchar(255) | YES | IND | NULL | 键名 |
| meta\_value | longtext | YES |  | NULL | 键值 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | meta\_id |
| comment\_id | INDEX | comment\_id |
| meta\_key | INDEX | meta\_key |

### 表: wp\_comments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 关键字? | 默认值 | 备注 |
| comment\_ID | bigint(20) unsigned |  | PRI |  | auto\_increment |
| comment\_post\_ID | bigint(20) unsigned |  | IND | 0 | 对应文章ID |
| comment\_author | tinytext |  |  |  | 评论者 |
| comment\_author\_email | varchar(100) |  | IND |  | 评论者邮箱 |
| comment\_author\_url | varchar(200) |  |  |  | 评论者网址 |
| comment\_author\_IP | varchar(100) |  |  |  | 评论者IP |
| comment\_date | datetime |  |  | 0000-00-00 00:00:00 | 评论时间 |
| comment\_date\_gmt | datetime |  | IND & IND Pt2 | 0000-00-00 00:00:00 | 评论时间（GMT+0时间） |
| comment\_content | text |  |  |  | 评论正文 |
| comment\_karma | int(11) |  |  | 0 | 未知 |
| comment\_approved | varchar(20) |  | IND Pt1 | 1 | 评论是否被批准 |
| comment\_agent | varchar(255) |  |  |  | 评论者的USER AGENT |
| comment\_type | varchar(20) |  |  |  | 评论类型(pingback/普通) |
| comment\_parent | bigint(20) unsigned |  | IND | 0 | 父评论ID |
| user\_id | bigint(20) unsigned |  |  | 0 | 评论者用户ID |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | comment\_ID |
| comment\_post\_ID | INDEX | comment\_post\_ID |
| comment\_approved\_date\_gmt | INDEX | comment\_approved comment\_date\_gmt |
| comment\_date\_gmt | INDEX | comment\_date\_gmt |
| comment\_parent | INDEX | comment\_parent |
| comment\_author\_email | INDEX | comment\_author\_email |

### 表: wp\_links

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| link\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| link\_url | varchar(255) |  |  |  | 链接URL |
| link\_name | varchar(255) |  |  |  | 链接标题 |
| link\_image | varchar(255) |  |  |  | 链接图片 |
| link\_target | varchar(25) |  |  |  | 链接打开方式 |
| link\_description | varchar(255) |  |  |  | 链接描述 |
| link\_visible | varchar(20) |  | IND | Y | 是否可见 |
| link\_owner | bigint(20) unsigned |  |  | 1 | 添加者用户ID |
| link\_rating | int(11) |  |  | 0 | 评分等级 |
| link\_updated | datetime |  |  | 0000-00-00 00:00:00 | 链接更新时间 |
| link\_rel | varchar(255) |  |  |  | 关系 |
| link\_notes | mediumtext |  |  |  | XFN注释 |
| link\_rss | varchar(255) |  |  |  | 链接RSS地址 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | link\_id |
| link\_visible | INDEX | link\_visible |

### 表: wp\_options

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| option\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| option\_name | varchar(64) |  | UNI |  | 键名 |
| option\_value | longtext |  |  |  | 键值 |
| autoload | varchar(20) |  |  | yes | 在WordPress载入时自动载入 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | option\_id |
| option\_name | UNIQUE | option\_name |

### 表: wp\_postmeta

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| meta\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| post\_id | bigint(20) unsigned |  | IND | 0 | 对应文章ID |
| meta\_key | varchar(255) | YES | IND | NULL | 键名 |
| meta\_value | longtext | YES |  | NULL | 键值 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | meta\_id |
| post\_id | INDEX | post\_id |
| meta\_key | INDEX | meta\_key |

### 表: wp\_posts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| ID | bigint(20) unsigned |  | PRI & IND Pt4 |  | auto\_increment |
| post\_author | bigint(20) unsigned |  | IND | 0 | 对应作者ID |
| post\_date | datetime |  | IND Pt3 | 0000-00-00 00:00:00 | 发布时间 |
| post\_date\_gmt | datetime |  |  | 0000-00-00 00:00:00 | 发布时间（GMT+0时间） |
| post\_content | longtext |  |  |  | 正文 |
| post\_title | text |  |  |  | 标题 |
| post\_excerpt | text |  |  |  | 摘录 |
| post\_status | varchar(20) |  | IND PT2 | publish | 文章状态（publish/auto-draft/inherit等） |
| comment\_status | varchar(20) |  |  | open | 评论状态（open/closed） |
| ping\_status | varchar(20) |  |  | open | PING状态（open/closed） |
| post\_password | varchar(20) |  |  |  | 文章密码 |
| post\_name | varchar(200) |  | IND |  | 文章缩略名 |
| to\_ping | text |  |  |  | 是否ping |
| pinged | text |  |  |  | 已经PING过的链接 |
| post\_modified | datetime |  |  | 0000-00-00 00:00:00 | 修改时间 |
| post\_modified\_gmt | datetime |  |  | 0000-00-00 00:00:00 | 修改时间（GMT+0时间） |
| post\_content\_filtered | longtext |  |  |  | 是否过滤 |
| post\_parent | bigint(20) unsigned |  | IND | 0 | 父文章，主要用于PAGE |
| guid | varchar(255) |  |  |  | 这是每篇文章的一个地址 |
| menu\_order | int(11) |  |  | 0 | 排序ID |
| post\_type | varchar(20) |  | IND Pt1 | post | 文章类型（post/page等） |
| post\_mime\_type | varchar(100) |  |  |  | MIME类型 |
| comment\_count | bigint(20) |  |  | 0 | 评论总数 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | ID |
| post\_name | INDEX | post\_name |
| type\_status\_date | INDEX | post\_type post\_status post\_date ID |
| post\_parent | INDEX | post\_parent |
| post\_author | INDEX | post\_author |

### 表: wp\_terms

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| term\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| name | varchar(200) |  | IND |  | 分类名 |
| slug | varchar(200) |  | UNI |  | 缩略名 |
| term\_group | bigint(10) |  |  | 0 | 分组 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | term\_id |
| slug | UNIQUE | slug |
| name | INDEX | name |

### 表: wp\_term\_relationships

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| object\_id | bigint(20) unsigned |  | PRI Pt1 | 0 | 对应文章ID/链接ID |
| term\_taxonomy\_id | bigint(20) unsigned |  | PRI Pt2 & IND | 0 | 对应分类方法ID |
| term\_order | int(11) |  |  | 0 | 排序 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | object\_id term\_taxonomy\_id |
| term\_taxonomy\_id | INDEX | term\_taxonomy\_id |

### 表: wp\_term\_taxonomy

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| term\_taxonomy\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| term\_id | bigint(20) unsigned |  | UNI Pt1 | 0 | 分类方法ID |
| taxonomy | varchar(32) |  | UNI Pt2 & IND |  | 分类方法(category/post\_tag) |
| description | longtext |  |  |  | 描述 |
| parent | bigint(20) unsigned |  |  | 0 | 所属父分类方法ID |
| count | bigint(20) |  |  | 0 | 分类数量 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | term\_taxonomy\_id |
| term\_id\_taxonomy | UNIQUE | term\_id taxonomy |
| taxonomy | INDEX | taxonomy |

### 表: wp\_usermeta

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| umeta\_id | bigint(20) unsigned |  | PRI |  | auto\_increment |
| user\_id | bigint(20) unsigned |  |  | 0 | 对应用户ID |
| meta\_key | varchar(255) | Yes | IND | NULL | 键名 |
| meta\_value | longtext | Yes | IND | NULL | 键名 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | umeta\_id |
| user\_id | INDEX | user\_id |
| meta\_key | INDEX | meta\_key |

### 表: wp\_users

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 字段 | 类型 | 可空? | 主键? | 默认值 | 备注 |
| ID | bigint(20) unsigned |  | PRI |  | auto\_increment |
| user\_login | varchar(60) |  | IND |  | 登录名 |
| user\_pass | varchar(64) |  |  |  | 密码 |
| user\_nicename | varchar(50) |  | IND |  | 昵称 |
| user\_email | varchar(100) |  |  |  | Email |
| user\_url | varchar(100) |  |  |  | 网址 |
| user\_registered | datetime |  |  | 0000-00-00 00:00:00 | 注册时间 |
| user\_activation\_key | varchar(60) |  |  |  | 激活码 |
| user\_status | int(11) |  |  | 0 | 用户状态 |
| display\_name | varchar(250) |  |  |  | 显示名称 |

#### 索引

|  |  |  |
| --- | --- | --- |
| 关键字 | 类型 | 字段 |
| PRIMARY | PRIMARY | ID |
| user\_login\_key | INDEX | user\_login |
| user\_nicename | INDEX | user\_nicename |