|  |  |  |
| --- | --- | --- |
| Название таблицы | Пользователь | Администратор |
| anime\_seasons | R | CRUD |
| animes | R | CRUD |
| content\_series | R | CRUD |
| content\_series\_seasons | R | CRUD |
| cartoons | R | CRUD |
| content | R | CRUD |
| content\_genres | R | CRUD |
| content\_procent\_types | R | CRUD |
| content\_subtitles | R | CRUD |
| content\_types | R | CRUD |
| content\_voice\_acting | R | CRUD |
| copyrigth\_holders | R | CRUD |
| histories | R | CRUD |
| languages | R | CRUD |
| content\_movies | R | CRUD |
| profile\_types | R | CRUD |
| profiles | CRUD | CRUD |
| ratings | RU | CRUD |
| resolutions | R | CRUD |
| series | R | CRUD |
| series\_seasons | R | CRUD |
| content\_url | R | CRUD |
| user\_card\_payment\_systems | R | CRUD |
| user\_cards | CRUD | CRUD |
| user\_comments | CRUD | CRUD |
| user\_subscription\_prices | R | CRUD |
| user\_subscription\_types | R | CRUD |
| user | CRUD | CRUD |
| users\_m2m\_user\_cards | CRUD | CRUD |

1. **Настройка прав доступа**

**DROP USER** IF **EXISTS 'user'**@**'localhost'**;  
**CREATE USER 'user'**@**'localhost'** IDENTIFIED **BY 'user\_password'**;  
**GRANT READ ON 'anime\_seasons' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'animes' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_series' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_series\_seasons' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'cartoons' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_genres' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_m2m\_content\_genres' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_m2m\_resolutions' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_procent\_types' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_subtitles' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_types' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_voice\_acting' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'copyrigth\_holders' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'histories' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'languages' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_movies' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'profile\_types' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'profile\_types\_m2m\_contents' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'profile\_types\_m2m\_contents\_user\_subscription\_types' TO 'user'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'profiles' TO 'user'**@**'localhost'**;  
**GRANT READ**, **UPDATE ON 'ratings' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'resolutions' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'series' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'series\_seasons' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'content\_url' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'user\_card\_payment\_systems' TO 'user'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'user\_cards' TO 'user'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'user\_comments' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'user\_subscription\_prices' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'user\_subscription\_types' TO 'user'**@**'localhost'**;  
**GRANT READ ON 'user\_subscription\_types\_m2m\_resolutions' TO 'user'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'user' TO 'user'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'users\_m2m\_user\_cards' TO 'user'**@**'localhost'**;  
  
  
**DROP USER** IF **EXISTS 'admin'**@**'localhost'**;  
**CREATE USER 'admin'**@**'localhost'** IDENTIFIED **BY 'admin\_password'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'anime\_seasons' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'animes' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_series' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_series\_seasons' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'cartoons' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_genres' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_m2m\_content\_genres' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_m2m\_resolutions' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_procent\_types' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_subtitles' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_types' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_voice\_acting' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'copyrigth\_holders' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'histories' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'languages' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE**,**READ**, **UPDATE**, **DELETE ON 'content\_movies' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'profile\_types' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'profile\_types\_m2m\_contents' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'profile\_types\_m2m\_contents\_user\_subscription\_types' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'profiles' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'ratings' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'resolutions' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'series' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'series\_seasons' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'content\_url' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'user\_card\_payment\_systems' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'user\_cards' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'user\_comments' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'user\_subscription\_prices' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'user\_subscription\_types' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**, **UPDATE**, **DELETE ON 'user\_subscription\_types\_m2m\_resolutions' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'user' TO 'admin'**@**'localhost'**;  
**GRANT CREATE**,**READ**,**UPDATE**,**DELETE ON 'users\_m2m\_user\_cards' TO 'admin'**@**'localhost'**;

1. **Настройка кодировок**

**ALTER TABLE** anime\_seasons **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** animes **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_series **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_series\_seasons **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** cartoons **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_genres **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_m2m\_content\_genres **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_m2m\_resolutions **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_procent\_types **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_subtitles **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_types **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_voice\_acting **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** copyrigth\_holders **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** histories **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** languages **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_movies **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** profile\_types **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** profile\_types\_m2m\_contents **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** profile\_types\_m2m\_contents\_user\_subscription\_types **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** profiles **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** ratings **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** resolutions **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** series **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** series\_seasons **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** content\_url **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** user\_card\_payment\_systems **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** user\_cards **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** user\_comments **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** user\_subscription\_prices **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** user\_subscription\_types **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** user\_subscription\_types\_m2m\_resolutions **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE user CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;  
**ALTER TABLE** users\_m2m\_user\_cards **CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8\_unicode\_ci'**;

1. **Настройка методов доступа**

**ALTER TABLE** anime\_seasons ENGINE = InnoDB;  
**ALTER TABLE** animes ENGINE = InnoDB;  
**ALTER TABLE** content\_series ENGINE = InnoDB;  
**ALTER TABLE** content\_series\_seasons ENGINE = InnoDB;  
**ALTER TABLE** cartoons ENGINE = InnoDB;  
**ALTER TABLE** content ENGINE = InnoDB;  
**ALTER TABLE** content\_genres ENGINE = InnoDB;  
**ALTER TABLE** content\_m2m\_content\_genres ENGINE = InnoDB;  
**ALTER TABLE** content\_m2m\_resolutions ENGINE = InnoDB;  
**ALTER TABLE** content\_procent\_types ENGINE = InnoDB;  
**ALTER TABLE** content\_subtitles ENGINE = InnoDB;  
**ALTER TABLE** content\_types ENGINE = InnoDB;  
**ALTER TABLE** content\_voice\_acting ENGINE = InnoDB;  
**ALTER TABLE** copyrigth\_holders ENGINE = InnoDB;  
**ALTER TABLE** histories ENGINE = InnoDB;  
**ALTER TABLE** languages ENGINE = InnoDB;  
**ALTER TABLE** content\_movies ENGINE = InnoDB;  
**ALTER TABLE** profile\_types ENGINE = InnoDB;  
**ALTER TABLE** profile\_types\_m2m\_contents ENGINE = InnoDB;  
**ALTER TABLE** profile\_types\_m2m\_contents\_user\_subscription\_types ENGINE = InnoDB;  
**ALTER TABLE** profiles ENGINE = InnoDB;  
**ALTER TABLE** ratings ENGINE = InnoDB;  
**ALTER TABLE** resolutions ENGINE = InnoDB;  
**ALTER TABLE** series ENGINE = InnoDB;  
**ALTER TABLE** series\_seasons ENGINE = InnoDB;  
**ALTER TABLE** content\_url ENGINE = InnoDB;  
**ALTER TABLE** user\_card\_payment\_systems ENGINE = InnoDB;  
**ALTER TABLE** user\_cards ENGINE = InnoDB;  
**ALTER TABLE** user\_comments ENGINE = InnoDB;  
**ALTER TABLE** user\_subscription\_prices ENGINE = InnoDB;  
**ALTER TABLE** user\_subscription\_types ENGINE = InnoDB;  
**ALTER TABLE** user\_subscription\_types\_m2m\_resolutions ENGINE = InnoDB;  
**ALTER TABLE user** ENGINE = InnoDB;  
**ALTER TABLE** users\_m2m\_user\_cards ENGINE = InnoDB;

1. **Добавление необходимых индексов**

**ALTER TABLE** `anime\_seasons`   
 **ADD INDEX** `IXFK\_anime\_seasons\_animes` (`a\_id` **ASC**);  
  
**ALTER TABLE** `content`   
 **ADD INDEX** `IXFK\_content\_content\_types` (`ct\_id` **ASC**);

**ALTER TABLE** `content`   
 **ADD INDEX** `IXFK\_content\_copyrigth\_holders` (`ch\_id` **ASC**);  
  
**ALTER TABLE** `content`   
 **ADD INDEX** `IDX\_content\_release\_date` (`c\_release\_date` **ASC**);  
  
**ALTER TABLE** `content`   
 **ADD INDEX** `IDX\_content\_name\_content\_type\_id` (`ct\_id` **ASC**, `c\_name` **ASC**);  
  
**ALTER TABLE** `content\_m2m\_content\_genres`   
 **ADD INDEX** `IXFK\_content\_m2m\_content\_genres\_content` (`c\_id` **ASC**, `ct\_id` **ASC**);  
  
**ALTER TABLE** `content\_m2m\_content\_genres`   
 **ADD INDEX** `IXFK\_content\_m2m\_content\_genres\_content\_genres` (`cg\_id` **ASC**);  
  
**ALTER TABLE** `content\_m2m\_resolutions`   
 **ADD INDEX** `IXFK\_content\_m2m\_resolutions\_content` (`c\_id` **ASC**, `ct\_id` **ASC**);  
  
**ALTER TABLE** `content\_m2m\_resolutions`   
 **ADD INDEX** `IXFK\_content\_m2m\_resolutions\_resolutions` (`r\_id` **ASC**);  
  
**ALTER TABLE** `content\_movies`   
 **ADD INDEX** `IXFK\_content\_movies\_content` (`ct\_id` **ASC**, `c\_id` **ASC**);  
  
**ALTER TABLE** `content\_movies`   
 **ADD INDEX** `IXFK\_movies\_content` ();  
  
**ALTER TABLE** `content\_series`   
**ADD INDEX** `IXFK\_content\_series\_content` (`ct\_id` **ASC**, `c\_id` **ASC**);  
  
**ALTER TABLE** `content\_series\_seasons`   
**ADD INDEX** `IXFK\_content\_series\_seasons\_content\_series` (`ct\_id` **ASC**, `c\_id` **ASC**);  
  
**ALTER TABLE** `content\_subtitles`   
 **ADD INDEX** `IXFK\_content\_subtitles\_content` (`ct\_id` **ASC**, `c\_id` **ASC**);  
  
**ALTER TABLE** `content\_subtitles`   
 **ADD INDEX** `IXFK\_content\_subtitles\_languages` (`l\_literal\_code` **ASC**);  
  
**ALTER TABLE** `content\_url`   
 **ADD INDEX** `IXFK\_content\_url\_content\_series\_seasons` (`ct\_id` **ASC**, `c\_id` **ASC**, `css\_id` **ASC**);  
  
**ALTER TABLE** `content\_voice\_acting`   
 **ADD INDEX** `IXFK\_content\_voice\_acting\_content` (`ct\_id` **ASC**, `c\_id` **ASC**);  
  
**ALTER TABLE** `content\_voice\_acting`   
 **ADD INDEX** `IXFK\_content\_voice\_acting\_languages` (`l\_literal\_code` **ASC**);  
  
**ALTER TABLE** `copyrigth\_holders`   
 **ADD INDEX** `IXFK\_copyrigth\_holders\_content\_procent\_types` (`cpt\_id` **ASC**);  
  
**ALTER TABLE** `histories`   
 **ADD INDEX** `IXFK\_histories\_content` (`c\_id` **ASC**, `ct\_id` **ASC**);  
  
**ALTER TABLE** `histories`   
 **ADD INDEX** `IXFK\_histories\_users` (`u\_id` **ASC**);  
  
**ALTER TABLE** `histories`   
 **ADD INDEX** `content\_id\_histories\_watch\_point` (`c\_id` **ASC**, `h\_watch\_point` **ASC**);  
  
**ALTER TABLE** `profile\_types\_m2m\_contents`   
 **ADD INDEX** `IXFK\_profile\_types\_m2m\_contents\_content` (`c\_id` **ASC**, `ct\_id` **ASC**);  
  
**ALTER TABLE** `profile\_types\_m2m\_contents`   
 **ADD INDEX** `IXFK\_profile\_types\_m2m\_contents\_profile\_types` (`pt\_id` **ASC**);  
  
**ALTER TABLE** `profile\_types\_m2m\_contents\_user\_subscription\_types`   
 **ADD INDEX** `IXFK\_profile\_types\_m2m\_contents\_user\_subscription\_types\_profile\_types\_m2m\_contents` (`c\_id` **ASC**, `pt\_id` **ASC**, `ct\_id` **ASC**);  
  
**ALTER TABLE** `profile\_types\_m2m\_contents\_user\_subscription\_types`   
 **ADD INDEX** `IXFK\_profile\_types\_m2m\_contents\_user\_subscription\_types\_user\_subscription\_types` (`ust\_id` **ASC**);  
  
**ALTER TABLE** `profiles`   
 **ADD INDEX** `IXFK\_profiles\_profile\_types` (`pt\_id` **ASC**);  
  
**ALTER TABLE** `profiles`   
 **ADD INDEX** `IXFK\_profiles\_users` (`u\_id` **ASC**);  
  
**ALTER TABLE** `profiles`   
 **ADD INDEX** `IDX\_users\_id\_profiles\_is\_active` (`u\_id` **ASC**, `profiles\_is\_active` **ASC**);  
  
**ALTER TABLE** `ratings`   
 **ADD INDEX** `IXFK\_ratings\_content` (`ct\_id` **ASC**, `r\_id` **ASC**);  
  
**ALTER TABLE** `ratings`   
 **ADD INDEX** `IDX\_ratings\_value` (`r\_value` **ASC**);  
  
**ALTER TABLE** `series\_seasons`   
 **ADD INDEX** `IXFK\_series\_seasons\_series` (`s\_id` **ASC**);  
  
**ALTER TABLE** `user`   
 **ADD INDEX** `IXFK\_users\_user\_sybscription\_types` (`ust\_id` **ASC**);  
  
**ALTER TABLE** `user`   
 **ADD INDEX** `IDX\_users\_email\_users\_password` (`u\_email` **ASC**, `u\_password` **ASC**);  
  
**ALTER TABLE** `user`   
 **ADD INDEX** `IDX\_users\_last\_payment\_date\_user\_is\_auto\_paymeny` (`u\_last\_payment\_date` **ASC**, `u\_is\_auto\_payment` **ASC**);  
  
**ALTER TABLE** `user\_cards`   
 **ADD INDEX** `IXFK\_user\_cards\_user\_card\_payment\_systems` (`ucps\_id` **ASC**);  
  
**ALTER TABLE** `user\_cards`   
 **ADD INDEX** `IDX\_user\_cards\_number\_user\_cards\_cvv` (`uc\_number` **ASC**, `uc\_cvv` **ASC**);  
  
**ALTER TABLE** `user\_comments`   
 **ADD INDEX** `IXFK\_user\_comments\_content` (`c\_id` **ASC**, `ct\_id` **ASC**);  
  
**ALTER TABLE** `user\_comments`   
 **ADD INDEX** `IXFK\_user\_comments\_users` (`u\_id` **ASC**);  
  
**ALTER TABLE** `user\_comments`   
 **ADD INDEX** `IDX\_user\_comments\_c\_id` (`c\_id` **ASC**);  
  
**ALTER TABLE** `user\_comments`   
 **ADD INDEX** `IDX\_user\_comments\_u\_id` (`u\_id` **ASC**);  
  
**ALTER TABLE** `user\_subscription\_types`   
 **ADD INDEX** `IXFK\_user\_sybscription\_types\_user\_subscription\_prices` (`usp\_id` **ASC**);  
  
**ALTER TABLE** `user\_subscription\_types\_m2m\_resolutions`   
 **ADD INDEX** `IXFK\_user\_subscription\_types\_m2m\_resolutions\_resolutions` (`r\_id` **ASC**);  
  
**ALTER TABLE** `user\_subscription\_types\_m2m\_resolutions`   
 **ADD INDEX** `IXFK\_user\_subscription\_types\_m2m\_resolutions\_user\_subscription\_types` (`ust\_id` **ASC**);  
  
**ALTER TABLE** `users\_m2m\_user\_cards`   
 **ADD INDEX** `IXFK\_users\_m2m\_user\_cards\_user\_cards` (`uc\_number` **ASC**);  
  
**ALTER TABLE** `users\_m2m\_user\_cards`   
 **ADD INDEX** `IXFK\_users\_m2m\_user\_cards\_users` (`u\_id` **ASC**);

**ALTER TABLE** `users\_m2m\_user\_cards`   
 **ADD INDEX** `IDX\_user\_cards\_number\_users\_m2m\_user\_cards\_is\_active` (`u\_id` **ASC**, `umuc\_card\_is\_active` **ASC**);  
  
*/\* Create Foreign Key Constraints \*/***ALTER TABLE** `anime\_seasons`   
 **ADD CONSTRAINT** `FK\_anime\_seasons\_animes`  
 **FOREIGN KEY** (**`a\_id`**) **REFERENCES** `animes` (**`a\_id`**) **ON DELETE Restrict ON UPDATE Restrict**;  
  
**ALTER TABLE** `content`   
 **ADD CONSTRAINT** `FK\_content\_content\_types`  
 **FOREIGN KEY** (**`ct\_id`**) **REFERENCES** `content\_types` (**`ct\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `content`   
 **ADD CONSTRAINT** `FK\_content\_copyrigth\_holders`  
 **FOREIGN KEY** (**`ch\_id`**) **REFERENCES** `copyrigth\_holders` (**`ch\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_m2m\_content\_genres`   
 **ADD CONSTRAINT** `FK\_content\_m2m\_content\_genres\_content`  
 **FOREIGN KEY** (**`c\_id`**, **`ct\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_m2m\_content\_genres`   
 **ADD CONSTRAINT** `FK\_content\_m2m\_content\_genres\_content\_genres`  
 **FOREIGN KEY** (**`cg\_id`**) **REFERENCES** `content\_genres` (**`cg\_id`**) **ON DELETE Cascade ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_m2m\_resolutions`   
 **ADD CONSTRAINT** `FK\_content\_m2m\_resolutions\_content`  
 **FOREIGN KEY** (**`c\_id`**, **`ct\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_m2m\_resolutions`   
 **ADD CONSTRAINT** `FK\_content\_m2m\_resolutions\_resolutions`  
 **FOREIGN KEY** (**`r\_id`**) **REFERENCES** `resolutions` (**`r\_id`**) **ON DELETE Cascade ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_movies`   
 **ADD CONSTRAINT** `FK\_content\_movies\_content`  
 **FOREIGN KEY** (**`ct\_id`**, **`c\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Cascade ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_series\_seasons`   
 **ADD CONSTRAINT** `FK\_content\_series\_seasons\_content\_series`  
 **FOREIGN KEY** (**`ct\_id`**, **`c\_id`**) **REFERENCES** `content\_series` (**`ct\_id`**,**`c\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_subtitles`   
 **ADD CONSTRAINT** `FK\_content\_subtitles\_content`  
 **FOREIGN KEY** (**`ct\_id`**, **`c\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_subtitles`   
 **ADD CONSTRAINT** `FK\_content\_subtitles\_languages`  
 **FOREIGN KEY** (**`l\_literal\_code`**) **REFERENCES** `languages` (**`l\_literal\_code`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_url`   
 **ADD CONSTRAINT** `FK\_content\_url\_content\_series\_seasons`  
 **FOREIGN KEY** (**`ct\_id`**, **`c\_id`**, **`css\_id`**) **REFERENCES** `content\_series\_seasons` (**`ct\_id`**,**`c\_id`**,**`css\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;

**ALTER TABLE** `content\_voice\_acting`   
 **ADD CONSTRAINT** `FK\_content\_voice\_acting\_content`  
 **FOREIGN KEY** (**`ct\_id`**, **`c\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `content\_voice\_acting`   
 **ADD CONSTRAINT** `FK\_content\_voice\_acting\_languages`  
 **FOREIGN KEY** (**`l\_literal\_code`**) **REFERENCES** `languages` (**`l\_literal\_code`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `copyrigth\_holders`   
 **ADD CONSTRAINT** `FK\_copyrigth\_holders\_content\_procent\_types`  
 **FOREIGN KEY** (**`cpt\_id`**) **REFERENCES** `content\_procent\_types` (**`cpt\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `histories`   
 **ADD CONSTRAINT** `FK\_histories\_content`  
 **FOREIGN KEY** (**`c\_id`**, **`ct\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `histories`   
 **ADD CONSTRAINT** `FK\_histories\_users`  
 **FOREIGN KEY** (**`u\_id`**) **REFERENCES** `user` (**`u\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `profile\_types\_m2m\_contents`   
 **ADD CONSTRAINT** `FK\_profile\_types\_m2m\_contents\_content`  
 **FOREIGN KEY** (**`c\_id`**, **`ct\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `profile\_types\_m2m\_contents`   
 **ADD CONSTRAINT** `FK\_profile\_types\_m2m\_contents\_profile\_types`  
 **FOREIGN KEY** (**`pt\_id`**) **REFERENCES** `profile\_types` (**`pt\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `profile\_types\_m2m\_contents\_user\_subscription\_types`   
 **ADD CONSTRAINT** `FK\_profile\_types\_m2m\_contents\_user\_subscription\_types\_profile\_types\_m2m\_contents`  
 **FOREIGN KEY** (**`c\_id`**, **`pt\_id`**, **`ct\_id`**) **REFERENCES** `profile\_types\_m2m\_contents` (**`c\_id`**,**`pt\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `profile\_types\_m2m\_contents\_user\_subscription\_types`   
 **ADD CONSTRAINT** `FK\_profile\_types\_m2m\_contents\_user\_subscription\_types\_user\_subscription\_types`  
 **FOREIGN KEY** (**`ust\_id`**) **REFERENCES** `user\_subscription\_types` (**`ust\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `profiles`   
 **ADD CONSTRAINT** `FK\_profiles\_profile\_types`  
 **FOREIGN KEY** (**`pt\_id`**) **REFERENCES** `profile\_types` (**`pt\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `profiles`   
 **ADD CONSTRAINT** `FK\_profiles\_users`  
 **FOREIGN KEY** (**`u\_id`**) **REFERENCES** `user` (**`u\_id`**) **ON DELETE Cascade ON UPDATE Cascade**;  
  
**ALTER TABLE** `ratings`   
 **ADD CONSTRAINT** `FK\_ratings\_content`  
 **FOREIGN KEY** (**`ct\_id`**, **`r\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Cascade ON UPDATE Cascade**;

**ALTER TABLE** `series\_seasons`   
 **ADD CONSTRAINT** `FK\_series\_seasons\_series`  
 **FOREIGN KEY** (**`s\_id`**) **REFERENCES** `series` (**`s\_id`**) **ON DELETE Restrict ON UPDATE Restrict**;  
  
**ALTER TABLE** `user`   
 **ADD CONSTRAINT** `FK\_users\_user\_sybscription\_types`  
 **FOREIGN KEY** (**`ust\_id`**) **REFERENCES** `user\_subscription\_types` (**`ust\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `user\_cards`   
 **ADD CONSTRAINT** `FK\_user\_cards\_user\_card\_payment\_systems`  
 **FOREIGN KEY** (**`ucps\_id`**) **REFERENCES** `user\_card\_payment\_systems` (**`ucps\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `user\_comments`   
 **ADD CONSTRAINT** `FK\_user\_comments\_content`  
 **FOREIGN KEY** (**`c\_id`**, **`ct\_id`**) **REFERENCES** `content` (**`c\_id`**,**`ct\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `user\_comments`   
 **ADD CONSTRAINT** `FK\_user\_comments\_users`  
 **FOREIGN KEY** (**`u\_id`**) **REFERENCES** `user` (**`u\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `user\_subscription\_types`   
 **ADD CONSTRAINT** `FK\_user\_sybscription\_types\_user\_subscription\_prices`  
 **FOREIGN KEY** (**`usp\_id`**) **REFERENCES** `user\_subscription\_prices` (**`usp\_id`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `user\_subscription\_types\_m2m\_resolutions`   
 **ADD CONSTRAINT** `FK\_user\_subscription\_types\_m2m\_resolutions\_resolutions`  
 **FOREIGN KEY** (**`r\_id`**) **REFERENCES** `resolutions` (**`r\_id`**) **ON DELETE Cascade ON UPDATE Cascade**;  
  
**ALTER TABLE** `user\_subscription\_types\_m2m\_resolutions`   
 **ADD CONSTRAINT** `FK\_user\_subscription\_types\_m2m\_resolutions\_user\_subscription\_types`  
 **FOREIGN KEY** (**`ust\_id`**) **REFERENCES** `user\_subscription\_types` (**`ust\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;  
  
**ALTER TABLE** `users\_m2m\_user\_cards`   
 **ADD CONSTRAINT** `FK\_users\_m2m\_user\_cards\_user\_cards`  
 **FOREIGN KEY** (**`uc\_number`**) **REFERENCES** `user\_cards` (**`uc\_number`**) **ON DELETE No Action ON UPDATE Cascade**;  
  
**ALTER TABLE** `users\_m2m\_user\_cards`   
 **ADD CONSTRAINT** `FK\_users\_m2m\_user\_cards\_users`  
 **FOREIGN KEY** (**`u\_id`**) **REFERENCES** `user` (**`u\_id`**) **ON DELETE Restrict ON UPDATE Cascade**;