Report

jiyec
2021/8/13
1.0.8
国煤交易系统数据库设计

Table of Contents

1 Specifications....3
2 Model information....4
2.1 Card of model 国煤交易系统....4
3 PDM Diagrams....5
3.1 Model level diagrams....5
3.1.1 Diagram 国煤交易系统....5
4 Common Objects....7
4.1 Data Sources....7
4.1.1 List of data sources....7
4.1.2 Data source 数据源....7
5 Physical diagrams objects....8
5.1 References....8
5.1.1 Model level references....8
5.2 Tables....19
5.2.1 Model level tables....19

1 Specifications

Include specifications here...

2 Model information

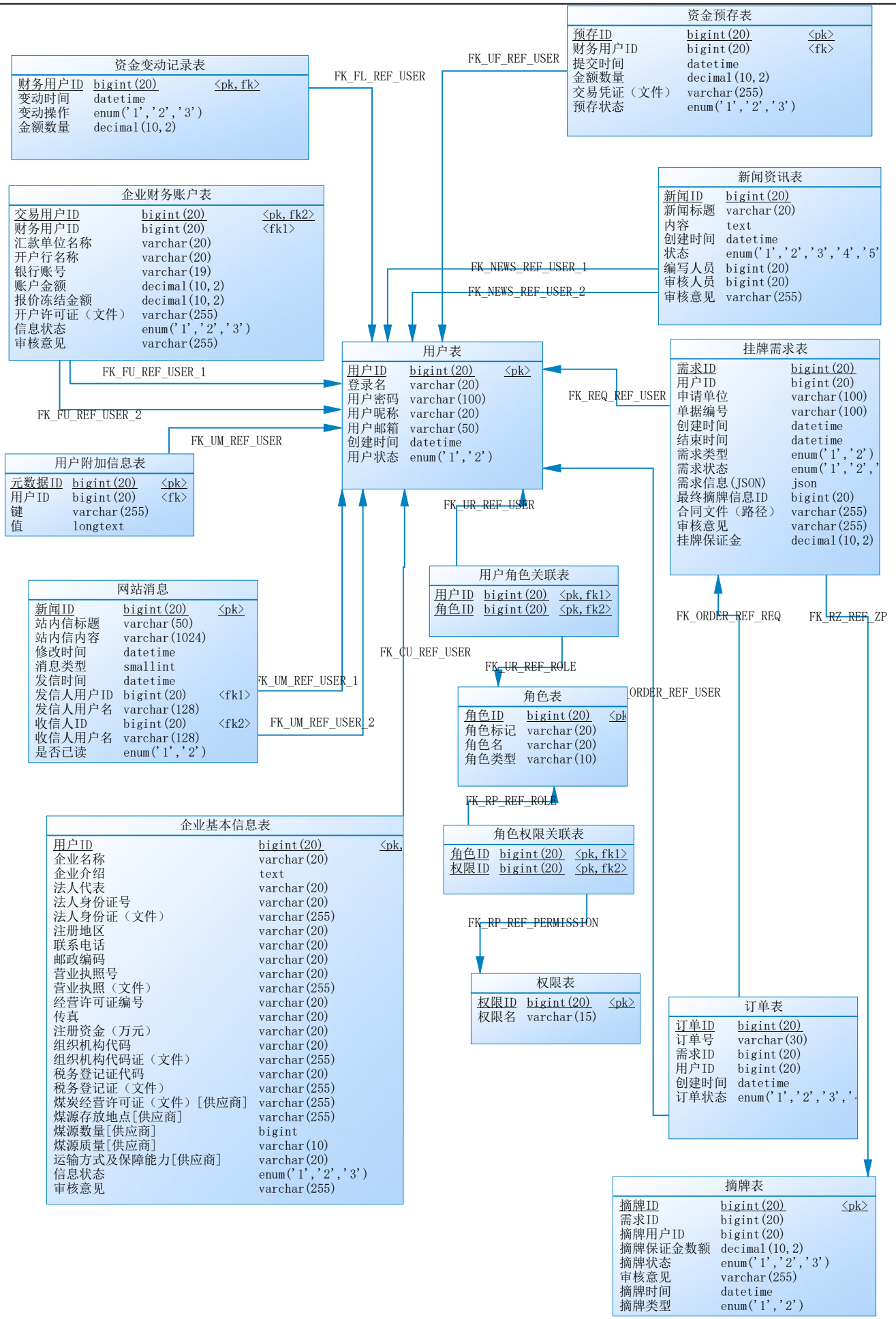
2.1 Card of model 国煤交易系统

Name	国煤交易系统
Code	coal_trading
Comment	国煤交易系统数据库设计
DBMS	MySQL 5.7
Database	国煤交易系统

3 PDM Diagrams

3.1 Model level diagrams

3.1.1 Diagram 国煤交易系统


资金预存表
预存ID bigint(20) <pk>
财务用户ID bigint(20) <fk>
提交时间 datetime
金额数量 decimal(10,2)
交易凭证（文件） varchar(255)
预存状态 enum('1','2','3')
资金变动记录表
财务用户ID bigint(20) <pk,fk>
变动时间 datetime
变动操作 enum('1','2','3')
金额数量 decimal(10,2)
FK_FL_REF_USER
FK_UF_REF_USER
新闻资讯表
新闻ID bigint(20)
新闻标题 varchar(20)
内容 text
创建时间 datetime
状态 enum('1','2','3','4','5'
编写人员 bigint(20)
审核人员 bigint(20)
审核意见 varchar(255)
FK_NEWS_REF_USER_1
FK_NEWS_REF_USER_2
企业财务账户表
交易用户ID bigint(20) <pk,fk2>
财务用户ID bigint(20) <fk1>
汇款单位名称 varchar(20)
开户行名称 varchar(20)
银行账号 varchar(19)
账户金额 decimal(10,2)
报价冻结金额 decimal(10,2)
开户许可证（文件） varchar(255)
信息状态 enum('1','2','3')
审核意见 varchar(255)
FK_FU_REF_USER_1
FK_FU_REF_USER_2
用户表
用户ID bigint(20) <pk>
登录名 varchar(20)
用户密码 varchar(100)
用户昵称 varchar(20)
用户邮箱 varchar(50)
创建时间 datetime
用户状态 enum('1','2')
FK_UM_REF_USER
挂牌需求表
需求ID bigint(20)
用户ID bigint(20)
申请单位 varchar(100)
单据编号 varchar(100)
创建时间 datetime
结束时间 datetime
需求类型 enum('1','2')
需求状态 enum('1','2',
需求信息(JSON) json
最终摘牌信息ID bigint(20)
合同文件（路径） varchar(255)
审核意见 varchar(255)
挂牌保证金 decimal(10,2)
FK_REQ_REF_USER
用户附加信息表
元数据ID bigint(20) <pk>
用户ID bigint(20) <fk>
键 varchar(255)
值 longtext
FK_UR_REF_USER
用户角色关联表
用户ID bigint(20) <pk,fk1>
角色ID bigint(20) <pk,fk2>
网站消息
新闻ID bigint(20) <pk>
站内信标题 varchar(50)
站内信内容 varchar(1024)
修改时间 datetime
消息类型 smallint
发信时间 datetime
发信人用户ID bigint(20) <fk1>
发信人用户名 varchar(128)
收信人ID bigint(20) <fk2>
收信人用户名 varchar(128)
是否已读 enum('1','2')
FK_UM_REF_USER_1
FK_UM_REF_USER_2
FK_CU_REF_USER
FK_UR_REF_ROLE
FK_ORDER_REF_REQ
FK_RZ_REF_ZP
ORDER_REF_USER
角色表
角色ID bigint(20) <pk
角色标记 varchar(20)
角色名 varchar(20)
角色类型 varchar(10)
FK_RP_REF_ROLE
企业基本信息表
用户ID bigint(20) <pk,
企业名称 varchar(20)
企业介绍 text
法人代表 varchar(20)
法人身份证号 varchar(20)
法人身份证（文件） varchar(255)
注册地区 varchar(20)
联系电话 varchar(20)
邮政编码 varchar(20)
营业执照号 varchar(20)
营业执照（文件） varchar(255)
经营许可证编号 varchar(20)
传真 varchar(20)
注册资金（万元） varchar(20)
组织机构代码 varchar(20)
组织机构代码证（文件） varchar(255)
税务登记证代码 varchar(20)
税务登记证（文件） varchar(255)
煤炭经营许可证（文件）[供应商] varchar(255)
煤源存放地点[供应商] varchar(255)
煤源数量[供应商] bigint
煤源质量[供应商] varchar(10)
运输方式及保障能力[供应商] varchar(20)
信息状态 enum('1','2','3')
审核意见 varchar(255)
角色权限关联表
角色ID bigint(20) <pk,fk1>
权限ID bigint(20) <pk,fk2>
FK_RP_REF_PERMISSION
权限表
权限ID bigint(20) <pk>
权限名 varchar(15)
订单表
订单ID bigint(20)
订单号 varchar(30)
需求ID bigint(20)
用户ID bigint(20)
创建时间 datetime
订单状态 enum('1','2','3','
摘牌表
摘牌ID bigint(20) <pk>
需求ID bigint(20)
摘牌用户ID bigint(20)
摘牌保证金数额 decimal(10,2)
摘牌状态 enum('1','2','3')
审核意见 varchar(255)
摘牌时间 datetime
摘牌类型 enum('1','2')

4 Common Objects

4.1 Data Sources

4.1.1 List of data sources

Name	*Code*
数据源	数据源

4.1.2 Data source 数据源

4.1.2.1 Card of data source 数据源

Name	数据源
Code	数据源

5 Physical diagrams objects

5.1 References

5.1.1 Model level references

5.1.1.1 List of references

Name	*Code*	*Parent Table*	*Child Table*
CU_REF_USER	CU_REF_USER	用户表	企业基本信息表
FL_REF_USER	FL_REF_USER	用户表	资金变动记录表
FU_REF_USER_1	FU_REF_USER_1	用户表	企业财务账户表
FU_REF_USER_2	FU_REF_USER_2	用户表	企业财务账户表
NEWS_REF_USER_1	NEWS_REF_USER_1	用户表	新闻资讯表
NEWS_REF_USER_2	NEWS_REF_USER_2	用户表	新闻资讯表
ORDER_REF_REQ	ORDER_REF_REQ	挂牌需求表	订单表
ORDER_REF_USER	ORDER_REF_USER	用户表	订单表
REQ_REF_USER	REQ_REF_USER	用户表	挂牌需求表
REQ_REF_USER_2	REQ_REF_USER_2	用户表	挂牌需求表
RP_REF_PERMISSION	RP_REF_PERMISSION	权限表	角色权限关联表
RP_REF_ROLE	RP_REF_ROLE	角色表	角色权限关联表
RZ_REF_ZP	RZ_REF_ZP	摘牌表	挂牌需求表
UF_REF_USER	UF_REF_USER	用户表	资金预存表
UM_REF_USER	UM_REF_USER	用户表	用户附加信息表
UM_REF_USER_1	UM_REF_USER_1	用户表	网站消息
UM_REF_USER_2	UM_REF_USER_2	用户表	网站消息
UR_REF_ROLE	UR_REF_ROLE	角色表	用户角色关联表
UR_REF_USER	UR_REF_USER	用户表	用户角色关联表

5.1.1.2 Reference CU_REF_USER

5.1.1.2.1 Card of reference CU_REF_USER

Name	CU_REF_USER
Code	CU_REF_USER
Parent Table	用户表
Child Table	企业基本信息表

5.1.1.2.2 Code preview of the reference CU_REF_USER

```
use coal_trading;

use coal_trading;

alter table ct_company add constraint FK_CU_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.2.3 List of diagrams containing the reference CU_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.2.4 List of reference joins of the reference CU_REF_USER

Parent Table Column	*Child Table Column*
用户ID	用户ID

5.1.1.2.5 List of extended attributes of the reference CU_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.3 Reference FL_REF_USER

5.1.1.3.1 Card of reference FL_REF_USER

Name	FL_REF_USER
Code	FL_REF_USER
Parent Table	用户表
Child Table	资金变动记录表

5.1.1.3.2 Code preview of the reference FL_REF_USER

```
use coal_trading;

use coal_trading;

alter table ct_finance_log add constraint FK_FL_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.3.3 List of diagrams containing the reference FL_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.3.4 List of reference joins of the reference FL_REF_USER

Parent Table Column	*Child Table Column*
用户ID	财务用户ID

5.1.1.3.5 List of extended attributes of the reference FL_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.4 Reference FU_REF_USER_1

5.1.1.4.1 Card of reference FU_REF_USER_1

Name	FU_REF_USER_1
Code	FU_REF_USER_1
Parent Table	用户表
Child Table	企业财务账户表

5.1.1.4.2 Code preview of the reference FU_REF_USER_1

```
use coal_trading;

use coal_trading;

alter table ct_finance add constraint FK_FU_REF_USER_1 foreign key (main_userid)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.4.3 List of diagrams containing the reference FU_REF_USER_1

Name	*Code*

Name	*Code*
国煤交易系统	pdp

5.1.1.4.4 List of reference joins of the reference FU_REF_USER_1

Parent Table Column	*Child Table Column*
用户ID	交易用户ID

5.1.1.4.5 List of extended attributes of the reference FU_REF_USER_1

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.5 Reference FU_REF_USER_2

5.1.1.5.1 Card of reference FU_REF_USER_2

Name	FU_REF_USER_2
Code	FU_REF_USER_2
Parent Table	用户表
Child Table	企业财务账户表

5.1.1.5.2 Code preview of the reference FU_REF_USER_2

```
use coal_trading;

use coal_trading;

alter table ct_finance add constraint FK_FU_REF_USER_2 foreign key (finance_userid)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.5.3 List of diagrams containing the reference FU_REF_USER_2

Name	*Code*
国煤交易系统	pdp

5.1.1.5.4 List of reference joins of the reference FU_REF_USER_2

Parent Table Column	*Child Table Column*
用户ID	财务用户ID

5.1.1.5.5 List of extended attributes of the reference FU_REF_USER_2

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.6 Reference NEWS_REF_USER_1

5.1.1.6.1 Card of reference NEWS_REF_USER_1

Name	NEWS_REF_USER_1
Code	NEWS_REF_USER_1
Parent Table	用户表
Child Table	新闻资讯表

5.1.1.6.2 Code preview of the reference NEWS_REF_USER_1

```
use coal_trading;

use coal_trading;
```

```
alter table ct_news add constraint FK_NEWS_REF_USER_1 foreign key (author_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.6.3 List of diagrams containing the reference NEWS_REF_USER_1

Name	*Code*
国煤交易系统	pdp

5.1.1.6.4 List of reference joins of the reference NEWS_REF_USER_1

Parent Table Column	*Child Table Column*
用户ID	编写人员

5.1.1.6.5 List of extended attributes of the reference NEWS_REF_USER_1

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.7 Reference NEWS_REF_USER_2

5.1.1.7.1 Card of reference NEWS_REF_USER_2

Name	NEWS_REF_USER_2
Code	NEWS_REF_USER_2
Parent Table	用户表
Child Table	新闻资讯表

5.1.1.7.2 Code preview of the reference NEWS_REF_USER_2

```
use coal_trading;

use coal_trading;

alter table ct_news add constraint FK_NEWS_REF_USER_2 foreign key (auditor_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.7.3 List of diagrams containing the reference NEWS_REF_USER_2

Name	*Code*
国煤交易系统	pdp

5.1.1.7.4 List of reference joins of the reference NEWS_REF_USER_2

Parent Table Column	*Child Table Column*
用户ID	审核人员

5.1.1.7.5 List of extended attributes of the reference NEWS_REF_USER_2

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.8 Reference ORDER_REF_REQ

5.1.1.8.1 Card of reference ORDER_REF_REQ

Name	ORDER_REF_REQ
Code	ORDER_REF_REQ
Parent Table	挂牌需求表
Child Table	订单表

5.1.1.8.2 Code preview of the reference ORDER_REF_REQ

```
use coal_trading;

use coal_trading;

alter table ct_order add constraint FK_ORDER_REF_REQ foreign key (req_id)
    references ct_request (id) on delete restrict on update restrict;
```

5.1.1.8.3 List of diagrams containing the reference ORDER_REF_REQ

Name	*Code*
国煤交易系统	pdp

5.1.1.8.4 List of reference joins of the reference ORDER_REF_REQ

Parent Table Column	*Child Table Column*
需求ID	需求ID

5.1.1.8.5 List of extended attributes of the reference ORDER_REF_REQ

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.9 Reference ORDER_REF_USER

5.1.1.9.1 Card of reference ORDER_REF_USER

Name	ORDER_REF_USER
Code	ORDER_REF_USER
Parent Table	用户表
Child Table	订单表

5.1.1.9.2 Code preview of the reference ORDER_REF_USER

```
use coal_trading;

use coal_trading;

alter table ct_order add constraint FK_ORDER_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.9.3 List of diagrams containing the reference ORDER_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.9.4 List of reference joins of the reference ORDER_REF_USER

Parent Table Column	*Child Table Column*
用户ID	用户ID

5.1.1.9.5 List of extended attributes of the reference ORDER_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.10 Reference REQ_REF_USER

Name	REQ_REF_USER
Code	REQ_REF_USER
Parent Table	用户表
Child Table	挂牌需求表

5.1.1.10.2 Code preview of the reference REQ_REF_USER

```
use coal_trading;

use coal_trading;

alter table ct_request add constraint FK_REQ_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.10.3 List of diagrams containing the reference REQ_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.10.4 List of reference joins of the reference REQ_REF_USER

Parent Table Column	*Child Table Column*
用户ID	用户ID

5.1.1.10.5 List of extended attributes of the reference REQ_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.11 Reference REQ_REF_USER_2

5.1.1.11.1 Card of reference REQ_REF_USER_2

Name	REQ_REF_USER_2
Code	REQ_REF_USER_2
Parent Table	用户表
Child Table	挂牌需求表

5.1.1.11.2 Code preview of the reference REQ_REF_USER_2

```
use coal_trading;

use coal_trading;

alter table ct_request add constraint FK_REQ_REF_USER_2 foreign key (zp_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.11.3 List of reference joins of the reference REQ_REF_USER_2

Parent Table Column	*Child Table Column*
用户ID	最终摘牌信息ID

5.1.1.11.4 List of extended attributes of the reference REQ_REF_USER_2

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.12 Reference RP_REF_PERMISSION

5.1.1.12.1 Card of reference RP_REF_PERMISSION

Name	RP_REF_PERMISSION
Code	RP_REF_PERMISSION
Parent Table	权限表
Child Table	角色权限关联表

5.1.1.12.2 Code preview of the reference RP_REF_PERMISSION

```
use coal_trading;

use coal_trading;

alter table ct_role_permission_relationships add constraint FK_RP_REF_PERMISSION foreign key (permission_id)
    references ct_permissions (id) on delete restrict on update restrict;
```

5.1.1.12.3 List of diagrams containing the reference RP_REF_PERMISSION

Name	*Code*
国煤交易系统	pdp

5.1.1.12.4 List of reference joins of the reference RP_REF_PERMISSION

Parent Table Column	*Child Table Column*
权限ID	权限ID

5.1.1.12.5 List of extended attributes of the reference RP_REF_PERMISSION

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.13 Reference RP_REF_ROLE

5.1.1.13.1 Card of reference RP_REF_ROLE

Name	RP_REF_ROLE
Code	RP_REF_ROLE
Parent Table	角色表
Child Table	角色权限关联表

5.1.1.13.2 Code preview of the reference RP_REF_ROLE

```
use coal_trading;

use coal_trading;

alter table ct_role_permission_relationships add constraint FK_RP_REF_ROLE foreign key (role_id)
    references ct_userrole (id) on delete restrict on update restrict;
```

5.1.1.13.3 List of diagrams containing the reference RP_REF_ROLE

Name	*Code*
国煤交易系统	pdp

5.1.1.13.4 List of reference joins of the reference RP_REF_ROLE

Parent Table Column	*Child Table Column*
角色ID	角色ID

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.14 Reference RZ_REF_ZP

5.1.1.14.1 Card of reference RZ_REF_ZP

Name	RZ_REF_ZP
Code	RZ_REF_ZP
Parent Table	摘牌表
Child Table	挂牌需求表

5.1.1.14.2 Code preview of the reference RZ_REF_ZP

```
use coal_trading;

use coal_trading;

alter table ct_request add constraint FK_RZ_REF_ZP foreign key (zp_id)
    references ct_zp (id) on delete restrict on update restrict;
```

5.1.1.14.3 List of diagrams containing the reference RZ_REF_ZP

Name	*Code*
国煤交易系统	pdp

5.1.1.14.4 List of reference joins of the reference RZ_REF_ZP

Parent Table Column	*Child Table Column*
摘牌ID	最终摘牌信息ID

5.1.1.14.5 List of extended attributes of the reference RZ_REF_ZP

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.15 Reference UF_REF_USER

5.1.1.15.1 Card of reference UF_REF_USER

Name	UF_REF_USER
Code	UF_REF_USER
Parent Table	用户表
Child Table	资金预存表

5.1.1.15.2 Code preview of the reference UF_REF_USER

```
use coal_trading;

use coal_trading;

alter table ct_finance_store add constraint FK_UF_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.15.3 List of diagrams containing the reference UF_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.15.4 List of reference joins of the reference UF_REF_USER

Parent Table Column	*Child Table Column*
用户ID	财务用户ID

5.1.1.15.5 List of extended attributes of the reference UF_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.16 Reference UM_REF_USER

5.1.1.16.1 Card of reference UM_REF_USER

Name	UM_REF_USER
Code	UM_REF_USER
Parent Table	用户表
Child Table	用户附加信息表

5.1.1.16.2 Code preview of the reference UM_REF_USER

```
use coal_trading;

use coal_trading;

alter table ct_usermeta add constraint FK_UM_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.16.3 List of diagrams containing the reference UM_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.16.4 List of reference joins of the reference UM_REF_USER

Parent Table Column	*Child Table Column*
用户ID	用户ID

5.1.1.16.5 List of extended attributes of the reference UM_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.17 Reference UM_REF_USER_1

5.1.1.17.1 Card of reference UM_REF_USER_1

Name	UM_REF_USER_1
Code	UM_REF_USER_1
Parent Table	用户表
Child Table	网站消息

5.1.1.17.2 Code preview of the reference UM_REF_USER_1

```
use coal_trading;

use coal_trading;

alter table ct_website_message add constraint FK_UM_REF_USER_1 foreign key (from_userid)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.17.3 List of diagrams containing the reference UM_REF_USER_1

Name	*Code*
国煤交易系统	pdp

5.1.1.17.4 List of reference joins of the reference UM_REF_USER_1

Parent Table Column	*Child Table Column*
用户ID	发信人用户ID

5.1.1.17.5 List of extended attributes of the reference UM_REF_USER_1

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.18 Reference UM_REF_USER_2

5.1.1.18.1 Card of reference UM_REF_USER_2

Name	UM_REF_USER_2
Code	UM_REF_USER_2
Parent Table	用户表
Child Table	网站消息

5.1.1.18.2 Code preview of the reference UM_REF_USER_2

```
use coal_trading;

use coal_trading;

alter table ct_website_message add constraint FK_UM_REF_USER_2 foreign key (to_userid)
    references ct_users (id) on delete restrict on update restrict;
```

5.1.1.18.3 List of diagrams containing the reference UM_REF_USER_2

Name	*Code*
国煤交易系统	pdp

5.1.1.18.4 List of reference joins of the reference UM_REF_USER_2

Parent Table Column	*Child Table Column*
用户ID	收信人ID

5.1.1.18.5 List of extended attributes of the reference UM_REF_USER_2

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.19 Reference UR_REF_ROLE

5.1.1.19.1 Card of reference UR_REF_ROLE

Name	UR_REF_ROLE
Code	UR_REF_ROLE
Parent Table	角色表
Child Table	用户角色关联表

5.1.1.19.2 Code preview of the reference UR_REF_ROLE

```
use coal_trading;
```

use coal_trading;

alter table ct_user_role_relationships add constraint FK_UR_REF_ROLE foreign key (role_id)
    references ct_userrole (id) on delete restrict on update restrict;

5.1.1.19.3 List of diagrams containing the reference UR_REF_ROLE

Name	*Code*
国煤交易系统	pdp

5.1.1.19.4 List of reference joins of the reference UR_REF_ROLE

Parent Table Column	*Child Table Column*
角色ID	角色ID

5.1.1.19.5 List of extended attributes of the reference UR_REF_ROLE

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.1.1.20 Reference UR_REF_USER

5.1.1.20.1 Card of reference UR_REF_USER

Name	UR_REF_USER
Code	UR_REF_USER
Parent Table	用户表
Child Table	用户角色关联表

5.1.1.20.2 Code preview of the reference UR_REF_USER

use coal_trading;

use coal_trading;

alter table ct_user_role_relationships add constraint FK_UR_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;

5.1.1.20.3 List of diagrams containing the reference UR_REF_USER

Name	*Code*
国煤交易系统	pdp

5.1.1.20.4 List of reference joins of the reference UR_REF_USER

Parent Table Column	*Child Table Column*
用户ID	用户ID

5.1.1.20.5 List of extended attributes of the reference UR_REF_USER

Name	*Data Type*	*Value*	*Target Name*
ReferenceMatch	ReferenceMatchTyp e		MySQL 5.7

5.2 Tables

5.2.1 Model level tables

5.2.1.1 List of tables

Name	*Code*
企业基本信息表	ct_company
企业财务账户表	ct_finance
挂牌需求表	ct_request
摘牌表	ct_zp
新闻资讯表	ct_news
权限表	ct_permissions
用户表	ct_users
用户角色关联表	ct_user_role_relationships
用户附加信息表	ct_usermeta
网站消息	ct_website_message
角色权限关联表	ct_role_permission_relationships
角色表	ct_userrole
订单表	ct_order
资金变动记录表	ct_finance_log
资金预存表	ct_finance_store

5.2.1.2 List of table columns

Name	*Code*
新闻ID	id
新闻标题	title
内容	content
创建时间	date
状态	status
编写人员	author_id
审核人员	auditor_id
审核意见	audit_opinion
用户ID	id
登录名	login
用户密码	pass
用户昵称	nick
用户邮箱	email
创建时间	registered
用户状态	status
订单ID	id
订单号	num
需求ID	req_id
用户ID	user_id
创建时间	created_time
订单状态	status
角色ID	id
角色标记	mark
角色名	name

Name	*Code*
角色类型	type
权限ID	id
权限名	name
用户ID	user_id
角色ID	role_id
角色ID	role_id
权限ID	permission_id
需求ID	id
用户ID	user_id
申请单位	request_company
单据编号	request_num
创建时间	created_time
结束时间	ended_time
需求类型	type
需求状态	status
需求信息(JSON)	detail
最终摘牌信息ID	zp_id
合同文件（路径）	contract_file
审核意见	opinion
挂牌保证金	deposit
交易用户ID	main_userid
财务用户ID	finance_userid
汇款单位名称	com_name
开户行名称	bank_name
银行账号	bank_acc
账户金额	balance
报价冻结金额	freeze
开户许可证（文件）	ao_permit_file
信息状态	status
审核意见	audit_opinion
财务用户ID	user_id
变动时间	date
变动操作	type
金额数量	quantity
用户ID	user_id
企业名称	com_name
企业介绍	com_intro
法人代表	legal_name
法人身份证号	legal_id
法人身份证（文件）	legal_id_file
注册地区	com_addr
联系电话	com_contact
邮政编码	com_zip
营业执照号	business_license_id
营业执照（文件）	business_license_file
经营许可证编号	manage_license_id
传真	fax

Name	*Code*
注册资金（万元）	registered_capital
组织机构代码	oib_code
组织机构代码证（文件）	oib_code_file
税务登记证代码	tr_cert
税务登记证（文件）	tr_cert_file
煤炭经营许可证（文件）[供应商]	manage_license_file
煤源存放地点[供应商]	coal_store_site
煤源数量[供应商]	coal_quantity
煤源质量[供应商]	coal_quality
运输方式及保障能力[供应商]	coal_transport
信息状态	status
审核意见	audit_opinion
新闻ID	id
站内信标题	title
站内信内容	content
修改时间	modified
消息类型	msg_type
发信时间	created
发信人用户ID	from_userid
发信人用户名	from_username
收信人ID	to_userid
收信人用户名	to_username
是否已读	read_status
摘牌ID	id
需求ID	req_id
摘牌用户ID	user_id
摘牌保证金数额	deposit
摘牌状态	status
审核意见	opinion
摘牌时间	created_time
摘牌类型	type
预存ID	id
财务用户ID	user_id
提交时间	date
金额数量	quantity
交易凭证（文件）	cert
预存状态	status
元数据ID	id
用户ID	user_id
键	mkey
值	mvalue

5.2.1.3 List of table keys

Name	*Code*	*Table*
Key_1	Key_1	新闻资讯表
Key_1	Key_1	用户表
Key_1	Key_1	订单表

Name	*Code*	*Table*
Key_1	Key_1	角色表
Key_1	Key_1	权限表
Key_1	Key_1	用户角色关联表
Key_1	Key_1	角色权限关联表
Key_1	Key_1	挂牌需求表
Key_1	Key_1	企业财务账户表
Key_1	Key_1	资金变动记录表
Key_1	Key_1	企业基本信息表
Key_1	Key_1	网站消息
Key_1	Key_1	摘牌表
Key_1	Key_1	资金预存表
Key_1	Key_1	用户附加信息表

5.2.1.4 List of table indexes

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*	*Table*
Index_news_id	Index_news_id	X					新闻资讯表
Index_news_title	Index_news_title	X					新闻资讯表
Index_user_login	Index_user_login	X					用户表
Index_user_email	Index_user_email	X					用户表
Index_user_id	Index_user_id						订单表
Index_req_id	Index_req_id						订单表
Index_order_id	Index_order_id	X					订单表
Index_order_num	Index_order_num	X					订单表
Index_role_id	Index_role_id						角色表
Index_Role_Type	Index_Role_Type						角色表
Index_pri	Index_pri	X					权限表
用户角色索引	Index_user_role						用户角色关联表
Index_user_id	Index_user_id	X					用户角色关联表
Index_role_pri_id	Index_role_pri_id	X					角色权限关联表
Index_req_id	Index_req_id						挂牌需求表
Index_Request_Num	Index_Request_Num	X					挂牌需求表
Index_main_userid	Index_main_userid	X					企业财务账户表
Index_finance_userid	Index_finance_userid	X					企业财务账户表
Index_user_id	Index_user_id						资金变动记录表
Index_log_type	Index_log_type						资金变动记录表
Index_userid	Index_userid	X					企业基本信息表
Index_to_userid	Index_to_userid						网站消息
Index_ZP_USER_ID	Index_ZP_USER_ID						摘牌表
Index_Req_User	Index_Req_User	X					摘牌表
Index_user_id	Index_user_id						资金预存表
Index_userid_key	Index_userid_key	X					用户附加信息表

5.2.1.5 Table 企业基本信息表

5.2.1.5.1 Card of table 企业基本信息表

Name	企业基本信息表
Code	ct_company
DBMS	MySQL 5.7

5.2.1.5.2 Check constraint name of the table 企业基本信息表

TK_ct_company

5.2.1.5.3 Server validation rule of the table 企业基本信息表

%RULES%

5.2.1.5.4 Options of the table 企业基本信息表

engine = InnoDB

5.2.1.5.5 Code preview of the table 企业基本信息表

```
use coal_trading;

drop table if exists ct_company;

/*==============================================================*/
/* Table: ct_company                                            */
/*==============================================================*/
create table ct_company
(
   user_id              bigint(20) not null comment '用户ID',
   com_name             varchar(20) comment '企业名称',
   com_intro            text comment '企业介绍',
   legal_name           varchar(20) comment '法人代表',
   legal_id             varchar(20) comment '法人身份证号',
   legal_id_file        varchar(255) comment '法人身份证（文件）',
   com_addr             varchar(20) comment '注册地区',
   com_contact          varchar(20) comment '联系电话',
   com_zip              varchar(20) comment '邮政编码',
   business_license_id  varchar(20) comment '营业执照号',
   business_license_file varchar(255) comment '营业执照（文件）',
   manage_license_id    varchar(20) comment '经营许可证编号',
   fax                  varchar(20) comment '传真',
   registered_capital   varchar(20) comment '注册资金（万元）',
   oib_code             varchar(20) comment '组织机构代码',
   oib_code_file        varchar(255) comment '组织机构代码证（文件）',
   tr_cert              varchar(20) comment '税务登记证代码',
   tr_cert_file         varchar(255) comment '税务登记证（文件）',
   manage_license_file  varchar(255) comment '煤炭经营许可证（文件）[供应商]',
   coal_store_site      varchar(255) comment '煤源存放地点[供应商]',
   coal_quantity        bigint comment '煤源数量[供应商]',
   coal_quality         varchar(10) comment '煤源质量[供应商]',
   coal_transport       varchar(20) comment '运输方式及保障能力[供应商]',
   status               enum('1','2','3') not null default '1' comment '信息状态
         1. 不可用
         2. 审核阶段
         3. 可用',
   audit_opinion        varchar(255) comment '审核意见',
   primary key (user_id)
)
engine = InnoDB;

alter table ct_company comment '企业基本信息表';

/*==============================================================*/
```

```
/* Index: Index_userid                          */
/*==============================================================*/
create unique index Index_userid on ct_company
(
   user_id
);

alter table ct_company add constraint FK_CU_REF_USER foreign key (user_id)
      references ct_users (id) on delete restrict on update restrict;
```

5.2.1.5.6 List of diagrams containing the table 企业基本信息表

Name	*Code*
国煤交易系统	pdp

5.2.1.5.7 List of outgoing references of the table 企业基本信息表

Name	*Code*	*Foreign Key Columns*
CU_REF_USER	CU_REF_USER	用户ID

5.2.1.5.8 List of all dependencies of the table 企业基本信息表

Name	*Code*	*Class Name*
CU_REF_USER	CU_REF_USER	Reference

5.2.1.5.9 List of extended attributes of the table 企业基本信息表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.5.10 List of columns of the table 企业基本信息表

Name	*Code*
用户ID	user_id
企业名称	com_name
企业介绍	com_intro
法人代表	legal_name
法人身份证号	legal_id
法人身份证（文件）	legal_id_file
注册地区	com_addr
联系电话	com_contact
邮政编码	com_zip
营业执照号	business_license_id
营业执照（文件）	business_license_file
经营许可证编号	manage_license_id
传真	fax
注册资金（万元）	registered_capital
组织机构代码	oib_code
组织机构代码证（文件）	oib_code_file
税务登记证代码	tr_cert
税务登记证（文件）	tr_cert_file
煤炭经营许可证（文件）[供应商]	manage_license_file
煤源存放地点[供应商]	coal_store_site
煤源数量[供应商]	coal_quantity
煤源质量[供应商]	coal_quality
运输方式及保障能力[供应商]	coal_transport

Name	*Code*
信息状态	status
审核意见	audit_opinion

5.2.1.5.11 Column 用户ID of the table 企业基本信息表

5.2.1.5.11.1 Card of the column 用户ID of the table 企业基本信息表

Name	用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.5.11.2 Check constraint name of the column 用户ID of the table 企业基本信息表

CK_user_id

5.2.1.5.11.3 Check of the column 用户ID of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.11.4 Server validation rule of the column 用户ID of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.11.5 List of all dependencies of the table column 用户ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
用户ID	user_id	Index Column
?	?	Reference Join

5.2.1.5.11.6 List of extended attributes of the table column 用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.12 Column 企业名称 of the table 企业基本信息表

5.2.1.5.12.1 Card of the column 企业名称 of the table 企业基本信息表

Name	企业名称
Code	com_name
Data Type	varchar(20)
Mandatory	No

5.2.1.5.12.2 Check constraint name of the column 企业名称 of the table 企业基本信息表

CK_com_name

5.2.1.5.12.3 Check of the column 企业名称 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.12.4 Server validation rule of the column 企业名称 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.12.5 List of extended attributes of the table column 企业名称

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.13 Column 企业介绍 of the table 企业基本信息表

5.2.1.5.13.1 Card of the column 企业介绍 of the table 企业基本信息表

Name	企业介绍
Code	com_intro
Data Type	text
Mandatory	No

5.2.1.5.13.2 Check constraint name of the column 企业介绍 of the table 企业基本信息表

CK_com_intro

5.2.1.5.13.3 Check of the column 企业介绍 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.13.4 Server validation rule of the column 企业介绍 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.13.5 List of extended attributes of the table column 企业介绍

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.14 Column 法人代表 of the table 企业基本信息表

5.2.1.5.14.1 Card of the column 法人代表 of the table 企业基本信息表

Name	法人代表
Code	legal_name
Data Type	varchar(20)
Mandatory	No

5.2.1.5.14.2 Check constraint name of the column 法人代表 of the table 企业基本信息表

CK_legal_name

5.2.1.5.14.3 Check of the column 法人代表 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.14.4 Server validation rule of the column 法人代表 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.14.5 List of extended attributes of the table column 法人代表

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.15 Column 法人身份证号 of the table 企业基本信息表

5.2.1.5.15.1 Card of the column 法人身份证号 of the table 企业基本信息表

Name	法人身份证号
Code	legal_id
Data Type	varchar(20)
Mandatory	No

5.2.1.5.15.2 Check constraint name of the column 法人身份证号 of the table 企业基本信息表

CK_legal_id

5.2.1.5.15.3 Check of the column 法人身份证号 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.15.4 Server validation rule of the column 法人身份证号 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.15.5 List of extended attributes of the table column 法人身份证号

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.16 Column 法人身份证（文件） of the table 企业基本信息表

5.2.1.5.16.1 Card of the column 法人身份证（文件） of the table 企业基本信息表

Name	法人身份证（文件）
Code	legal_id_file
Data Type	varchar(255)
Mandatory	No

5.2.1.5.16.2 Check constraint name of the column 法人身份证（文件） of the table 企业基本信息表

CK_legal_id_file

5.2.1.5.16.3 Check of the column 法人身份证（文件） of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.16.4 Server validation rule of the column 法人身份证（文件） of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.16.5 List of extended attributes of the table column 法人身份证（文件）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.17 Column 注册地区 of the table 企业基本信息表

5.2.1.5.17.1 Card of the column 注册地区 of the table 企业基本信息表

Name	注册地区
Code	com_addr
Data Type	varchar(20)
Mandatory	No

5.2.1.5.17.2 Check constraint name of the column 注册地区 of the table 企业基本信息表

CK_com_addr

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.17.4 Server validation rule of the column 注册地区 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.17.5 List of extended attributes of the table column 注册地区

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.18 Column 联系电话 of the table 企业基本信息表

5.2.1.5.18.1 Card of the column 联系电话 of the table 企业基本信息表

Name	联系电话
Code	com_contact
Data Type	varchar(20)
Mandatory	No

5.2.1.5.18.2 Check constraint name of the column 联系电话 of the table 企业基本信息表

CK_com_contact

5.2.1.5.18.3 Check of the column 联系电话 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.18.4 Server validation rule of the column 联系电话 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.18.5 List of extended attributes of the table column 联系电话

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.19 Column 邮政编码 of the table 企业基本信息表

5.2.1.5.19.1 Card of the column 邮政编码 of the table 企业基本信息表

Name	邮政编码
Code	com_zip
Data Type	varchar(20)
Mandatory	No

5.2.1.5.19.2 Check constraint name of the column 邮政编码 of the table 企业基本信息表

CK_com_zip

5.2.1.5.19.3 Check of the column 邮政编码 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.19.4 Server validation rule of the column 邮政编码 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.19.5 List of extended attributes of the table column 邮政编码

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.20 Column 营业执照号 of the table 企业基本信息表

5.2.1.5.20.1 Card of the column 营业执照号 of the table 企业基本信息表

Name	营业执照号
Code	business_license_id
Data Type	varchar(20)
Mandatory	No

5.2.1.5.20.2 Check constraint name of the column 营业执照号 of the table 企业基本信息表

CK_business_license_id

5.2.1.5.20.3 Check of the column 营业执照号 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.20.4 Server validation rule of the column 营业执照号 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.20.5 List of extended attributes of the table column 营业执照号

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.21 Column 营业执照（文件） of the table 企业基本信息表

5.2.1.5.21.1 Card of the column 营业执照（文件） of the table 企业基本信息表

Name	营业执照（文件）
Code	business_license_file
Data Type	varchar(255)
Mandatory	No

5.2.1.5.21.2 Check constraint name of the column 营业执照（文件） of the table 企业基本信息表

CK_business_license_file

5.2.1.5.21.3 Check of the column 营业执照（文件） of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.21.4 Server validation rule of the column 营业执照（文件） of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.21.5 List of extended attributes of the table column 营业执照（文件）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.22 Column 经营许可证编号 of the table 企业基本信息表

5.2.1.5.22.1 Card of the column 经营许可证编号 of the table 企业基本信息表

Name	经营许可证编号
Code	manage_license_id
Data Type	varchar(20)
Mandatory	No

5.2.1.5.22.2 Check constraint name of the column 经营许可证编号 of the table 企业基本信息表

CK_manage_license_id

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.22.4 Server validation rule of the column 经营许可证编号 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.22.5 List of extended attributes of the table column 经营许可证编号

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.23 Column 传真 of the table 企业基本信息表

5.2.1.5.23.1 Card of the column 传真 of the table 企业基本信息表

Name	传真
Code	fax
Data Type	varchar(20)
Mandatory	No

5.2.1.5.23.2 Check constraint name of the column 传真 of the table 企业基本信息表

CK_fax

5.2.1.5.23.3 Check of the column 传真 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.23.4 Server validation rule of the column 传真 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.23.5 List of extended attributes of the table column 传真

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.24 Column 注册资金（万元） of the table 企业基本信息表

5.2.1.5.24.1 Card of the column 注册资金（万元） of the table 企业基本信息表

Name	注册资金（万元）
Code	registered_capital
Data Type	varchar(20)
Mandatory	No

5.2.1.5.24.2 Check constraint name of the column 注册资金（万元） of the table 企业基本信息表

CK_registered_capital

5.2.1.5.24.3 Check of the column 注册资金（万元） of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.24.4 Server validation rule of the column 注册资金（万元） of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.24.5 List of extended attributes of the table column 注册资金（万元）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.25 Column 组织机构代码 of the table 企业基本信息表

5.2.1.5.25.1 Card of the column 组织机构代码 of the table 企业基本信息表

Name	组织机构代码
Code	oib_code
Data Type	varchar(20)
Mandatory	No

5.2.1.5.25.2 Check constraint name of the column 组织机构代码 of the table 企业基本信息表

CK_oib_code

5.2.1.5.25.3 Check of the column 组织机构代码 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.25.4 Server validation rule of the column 组织机构代码 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.25.5 List of extended attributes of the table column 组织机构代码

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.26 Column 组织机构代码证（文件） of the table 企业基本信息表

5.2.1.5.26.1 Card of the column 组织机构代码证（文件） of the table 企业基本信息表

Name	组织机构代码证（文件）
Code	oib_code_file
Data Type	varchar(255)
Mandatory	No

5.2.1.5.26.2 Check constraint name of the column 组织机构代码证（文件） of the table 企业基本信息表

CK_oib_code_file

5.2.1.5.26.3 Check of the column 组织机构代码证（文件） of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.26.4 Server validation rule of the column 组织机构代码证（文件） of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.26.5 List of extended attributes of the table column 组织机构代码证（文件）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.27 Column 税务登记证代码 of the table 企业基本信息表

5.2.1.5.27.1 Card of the column 税务登记证代码 of the table 企业基本信息表

Name	税务登记证代码
Code	tr_cert
Data Type	varchar(20)
Mandatory	No

5.2.1.5.27.2 Check constraint name of the column 税务登记证代码 of the table 企业基本信息表

CK_tr_cert

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.27.4 Server validation rule of the column 税务登记证代码 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.27.5 List of extended attributes of the table column 税务登记证代码

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.28 Column 税务登记证（文件） of the table 企业基本信息表

5.2.1.5.28.1 Card of the column 税务登记证（文件） of the table 企业基本信息表

Name	税务登记证（文件）
Code	tr_cert_file
Data Type	varchar(255)
Mandatory	No

5.2.1.5.28.2 Check constraint name of the column 税务登记证（文件） of the table 企业基本信息表

CK_tr_cert_file

5.2.1.5.28.3 Check of the column 税务登记证（文件） of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.28.4 Server validation rule of the column 税务登记证（文件） of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.28.5 List of extended attributes of the table column 税务登记证（文件）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.29 Column 煤炭经营许可证（文件）[供应商] of the table 企业基本信息表

5.2.1.5.29.1 Card of the column 煤炭经营许可证（文件）[供应商] of the table 企业基本信息表

Name	煤炭经营许可证（文件）[供应商]
Code	manage_license_file
Data Type	varchar(255)
Mandatory	No

5.2.1.5.29.2 Check constraint name of the column 煤炭经营许可证（文件）[供应商] of the table 企业基本信息表

CK_manage_license_file

5.2.1.5.29.3 Check of the column 煤炭经营许可证（文件）[供应商] of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.29.4 Server validation rule of the column 煤炭经营许可证（文件）[供应商] of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.29.5 List of extended attributes of the table column 煤炭经营许可证（文件）[供应商]

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.30 Column 煤源存放地点[供应商] of the table 企业基本信息表

5.2.1.5.30.1 Card of the column 煤源存放地点[供应商] of the table 企业基本信息表

Name	煤源存放地点[供应商]
Code	coal_store_site
Data Type	varchar(255)
Mandatory	No

5.2.1.5.30.2 Check constraint name of the column 煤源存放地点[供应商] of the table 企业基本信息表

CK_coal_store_site

5.2.1.5.30.3 Check of the column 煤源存放地点[供应商] of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.30.4 Server validation rule of the column 煤源存放地点[供应商] of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.30.5 List of extended attributes of the table column 煤源存放地点[供应商]

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.31 Column 煤源数量[供应商] of the table 企业基本信息表

5.2.1.5.31.1 Card of the column 煤源数量[供应商] of the table 企业基本信息表

Name	煤源数量[供应商]
Code	coal_quantity
Data Type	bigint
Mandatory	No

5.2.1.5.31.2 Check constraint name of the column 煤源数量[供应商] of the table 企业基本信息表

CK_coal_quantity

5.2.1.5.31.3 Check of the column 煤源数量[供应商] of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.31.4 Server validation rule of the column 煤源数量[供应商] of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.31.5 List of extended attributes of the table column 煤源数量[供应商]

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.32 Column 煤源质量[供应商] of the table 企业基本信息表

5.2.1.5.32.1 Card of the column 煤源质量[供应商] of the table 企业基本信息表

Name	煤源质量[供应商]
Code	coal_quality
Data Type	varchar(10)
Mandatory	No

5.2.1.5.32.2 Check constraint name of the column 煤源质量[供应商] of the table 企业基本信息表

CK_coal_quality

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.32.4 Server validation rule of the column 煤源质量[供应商] of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.32.5 List of extended attributes of the table column 煤源质量[供应商]

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.33 Column 运输方式及保障能力[供应商] of the table 企业基本信息表

5.2.1.5.33.1 Card of the column 运输方式及保障能力[供应商] of the table 企业基本信息表

Name	运输方式及保障能力[供应商]
Code	coal_transport
Data Type	varchar(20)
Mandatory	No

5.2.1.5.33.2 Check constraint name of the column 运输方式及保障能力[供应商] of the table 企业基本信息表

CK_coal_transport

5.2.1.5.33.3 Check of the column 运输方式及保障能力[供应商] of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.33.4 Server validation rule of the column 运输方式及保障能力[供应商] of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.33.5 List of extended attributes of the table column 运输方式及保障能力[供应商]

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.34 Column 信息状态 of the table 企业基本信息表

5.2.1.5.34.1 Card of the column 信息状态 of the table 企业基本信息表

Name	信息状态
Code	status
Data Type	enum('1','2','3')
Mandatory	Yes

5.2.1.5.34.2 Check constraint name of the column 信息状态 of the table 企业基本信息表

CK_status

5.2.1.5.34.3 Check of the column 信息状态 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	1
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.34.4 Server validation rule of the column 信息状态 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.34.5 List of extended attributes of the table column 信息状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.35 Column 审核意见 of the table 企业基本信息表

5.2.1.5.35.1 Card of the column 审核意见 of the table 企业基本信息表

Name	审核意见
Code	audit_opinion
Data Type	varchar(255)
Mandatory	No

5.2.1.5.35.2 Check constraint name of the column 审核意见 of the table 企业基本信息表

CK_audit_opinion

5.2.1.5.35.3 Check of the column 审核意见 of the table 企业基本信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.5.35.4 Server validation rule of the column 审核意见 of the table 企业基本信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.5.35.5 List of extended attributes of the table column 审核意见

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.5.36 List of keys of the table 企业基本信息表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.5.37 Key Key_1 of the table 企业基本信息表

5.2.1.5.37.1 Card of the key Key_1 of the table 企业基本信息表

Name	Key_1
Code	Key_1
Table	企业基本信息表

5.2.1.5.37.2 Code preview of the key Key_1 of the table 企业基本信息表

```
use coal_trading;

alter table ct_company
   drop primary key;
```

5.2.1.5.37.3 List of columns of the table key Key_1

Name	*Code*
用户ID	user_id

5.2.1.5.37.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.5.38 List of indexes of the table 企业基本信息表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_userid	Index_userid	X				

5.2.1.5.39 Index Index_userid of the table 企业基本信息表

5.2.1.5.39.1 Card of the index Index_userid of the table 企业基本信息表

Name	Index_userid
Code	Index_userid
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	企业基本信息表

5.2.1.5.39.2 Code preview of the index Index_userid of the table 企业基本信息表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_userid                                          */
/*==============================================================*/
create unique index Index_userid on ct_company
(
   user_id
);
```

5.2.1.5.39.3 List of index columns of the table index Index_userid

Name	*Code*	*Sort*
用户ID	user_id	Ascending

5.2.1.5.39.4 List of extended attributes of the table index Index_userid

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.6 Table 企业财务账户表

5.2.1.6.1 Card of table 企业财务账户表

Name	企业财务账户表
Code	ct_finance
DBMS	MySQL 5.7

5.2.1.6.2 Check constraint name of the table 企业财务账户表

TK_ct_finance

5.2.1.6.3 Server validation rule of the table 企业财务账户表

%RULES%

5.2.1.6.4 Options of the table 企业财务账户表

engine = InnoDB

5.2.1.6.5 End script of the table 企业财务账户表

```
INSERT INTO ct_finance
(`main_userid`, `finance_userid`, `com_name`, `bank_name`, `bank_acc`, `balance`, `freeze`, `ao_permit_file`)
VALUES
(7, 8 , "供应商公司1", "银行1", "123456789", 10000.00, 5000.55, "path/to/file"),
(9, 10, "采购商公司2", "银行1", "123456789", 10000.00, 5000.55, "path/to/file");
```

5.2.1.6.6 Code preview of the table 企业财务账户表

```
use coal_trading;

drop table if exists ct_finance;

/*==============================================================*/
/* Table: ct_finance                                            */
/*==============================================================*/
create table ct_finance
(
   main_userid          bigint(20) not null comment '交易用户ID',
   finance_userid       bigint(20) default NULL comment '财务用户ID',
   com_name             varchar(20) comment '汇款单位名称',
   bank_name            varchar(20) comment '开户行名称',
   bank_acc             varchar(19) comment '银行账号',
   balance              decimal(10,2) comment '账户金额',
```

```
  freeze              decimal(10,2) comment '报价冻结金额',
  ao_permit_file      varchar(255) comment '开户许可证（文件）',
  status              enum('1','2','3') not null default '1' comment '信息状态
        1. 不可用
        2. 审核阶段
        3. 可用',
  audit_opinion       varchar(255) comment '审核意见',
  primary key (main_userid)
)
engine = InnoDB;

alter table ct_finance comment '企业财务账户表';

INSERT INTO ct_finance
(`main_userid`, `finance_userid`, `com_name`, `bank_name`, `bank_acc`, `balance`, `freeze`, `ao_permit_file`)
VALUES
(7, 8 , "供应商公司1", "银行1", "123456789", 10000.00, 5000.55, "path/to/file"),
(9, 10, "采购商公司2", "银行1", "123456789", 10000.00, 5000.55, "path/to/file");

/*==============================================================*/
/* Index: Index_main_userid                                     */
/*==============================================================*/
create unique index Index_main_userid on ct_finance
(
  main_userid
);

/*==============================================================*/
/* Index: Index_finance_userid                                  */
/*==============================================================*/
create unique index Index_finance_userid on ct_finance
(
  finance_userid
);

alter table ct_finance add constraint FK_FU_REF_USER_1 foreign key (main_userid)
    references ct_users (id) on delete restrict on update restrict;

alter table ct_finance add constraint FK_FU_REF_USER_2 foreign key (finance_userid)
    references ct_users (id) on delete restrict on update restrict;
```

5.2.1.6.7 List of diagrams containing the table 企业财务账户表

Name	*Code*
国煤交易系统	pdp

5.2.1.6.8 List of outgoing references of the table 企业财务账户表

Name	*Code*	*Foreign Key Columns*
FU_REF_USER_1	FU_REF_USER_1	交易用户ID
FU_REF_USER_2	FU_REF_USER_2	财务用户ID

5.2.1.6.9 List of all dependencies of the table 企业财务账户表

Name	*Code*	*Class Name*
FU_REF_USER_1	FU_REF_USER_1	Reference
FU_REF_USER_2	FU_REF_USER_2	Reference

5.2.1.6.10 List of extended attributes of the table 企业财务账户表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.6.11 List of columns of the table 企业财务账户表

Name	*Code*
交易用户ID	main_userid
财务用户ID	finance_userid
汇款单位名称	com_name
开户行名称	bank_name
银行账号	bank_acc
账户金额	balance
报价冻结金额	freeze
开户许可证（文件）	ao_permit_file
信息状态	status
审核意见	audit_opinion

5.2.1.6.12 Column 交易用户ID of the table 企业财务账户表

5.2.1.6.12.1 Card of the column 交易用户ID of the table 企业财务账户表

Name	交易用户ID
Code	main_userid
Data Type	bigint(20)
Mandatory	Yes

5.2.1.6.12.2 Check constraint name of the column 交易用户ID of the table 企业财务账户表

CK_main_userid

5.2.1.6.12.3 Check of the column 交易用户ID of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.12.4 Server validation rule of the column 交易用户ID of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.12.5 List of all dependencies of the table column 交易用户ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
交易用户ID	main_userid	Index Column
?	?	Reference Join

5.2.1.6.12.6 List of extended attributes of the table column 交易用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.13 Column 财务用户ID of the table 企业财务账户表

5.2.1.6.13.1 Card of the column 财务用户ID of the table 企业财务账户表

Name	财务用户ID
Code	finance_userid
Data Type	bigint(20)
Mandatory	No

5.2.1.6.13.2 Check constraint name of the column 财务用户ID of the table 企业财务账户表

CK_finance_userid

5.2.1.6.13.3 Check of the column 财务用户ID of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	NULL
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.13.4 Server validation rule of the column 财务用户ID of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.13.5 List of all dependencies of the table column 财务用户ID

Name	*Code*	*Class Name*
?	?	Reference Join
财务用户ID	finance_userid	Index Column

5.2.1.6.13.6 List of extended attributes of the table column 财务用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.14 Column 汇款单位名称 of the table 企业财务账户表

5.2.1.6.14.1 Card of the column 汇款单位名称 of the table 企业财务账户表

Name	汇款单位名称
Code	com_name
Data Type	varchar(20)
Mandatory	No

5.2.1.6.14.2 Check constraint name of the column 汇款单位名称 of the table 企业财务账户表

CK_com_name

5.2.1.6.14.3 Check of the column 汇款单位名称 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	

Format	
Cannot Modify	No
List Of Values	

5.2.1.6.14.4 Server validation rule of the column 汇款单位名称 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.14.5 List of extended attributes of the table column 汇款单位名称

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.15 Column 开户行名称 of the table 企业财务账户表

5.2.1.6.15.1 Card of the column 开户行名称 of the table 企业财务账户表

Name	开户行名称
Code	bank_name
Data Type	varchar(20)
Mandatory	No

5.2.1.6.15.2 Check constraint name of the column 开户行名称 of the table 企业财务账户表

CK_bank_name

5.2.1.6.15.3 Check of the column 开户行名称 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.15.4 Server validation rule of the column 开户行名称 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.15.5 List of extended attributes of the table column 开户行名称

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.16 Column 银行账号 of the table 企业财务账户表

5.2.1.6.16.1 Card of the column 银行账号 of the table 企业财务账户表

Name	银行账号
Code	bank_acc
Data Type	varchar(19)

Mandatory	No

5.2.1.6.16.2 Check constraint name of the column 银行账号 of the table 企业财务账户表

CK_bank_acc

5.2.1.6.16.3 Check of the column 银行账号 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.16.4 Server validation rule of the column 银行账号 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.16.5 List of extended attributes of the table column 银行账号

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.17 Column 账户金额 of the table 企业财务账户表

5.2.1.6.17.1 Card of the column 账户金额 of the table 企业财务账户表

Name	账户金额
Code	balance
Data Type	decimal(10,2)
Mandatory	No

5.2.1.6.17.2 Check constraint name of the column 账户金额 of the table 企业财务账户表

CK_balance

5.2.1.6.17.3 Check of the column 账户金额 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.17.4 Server validation rule of the column 账户金额 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.17.5 List of extended attributes of the table column 账户金额

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.18 Column 报价冻结金额 of the table 企业财务账户表

5.2.1.6.18.1 Card of the column 报价冻结金额 of the table 企业财务账户表

Name	报价冻结金额
Code	freeze
Data Type	decimal(10,2)
Mandatory	No

5.2.1.6.18.2 Check constraint name of the column 报价冻结金额 of the table 企业财务账户表

CK_freeze

5.2.1.6.18.3 Check of the column 报价冻结金额 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.18.4 Server validation rule of the column 报价冻结金额 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.18.5 List of extended attributes of the table column 报价冻结金额

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.19 Column 开户许可证（文件） of the table 企业财务账户表

5.2.1.6.19.1 Card of the column 开户许可证（文件） of the table 企业财务账户表

Name	开户许可证（文件）
Code	ao_permit_file
Data Type	varchar(255)
Mandatory	No

5.2.1.6.19.2 Check constraint name of the column 开户许可证（文件） of the table 企业财务账户表

CK_ao_permit_file

5.2.1.6.19.3 Check of the column 开户许可证（文件） of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	

Format	
Cannot Modify	No
List Of Values	

5.2.1.6.19.4 Server validation rule of the column 开户许可证（文件） of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.19.5 List of extended attributes of the table column 开户许可证（文件）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.20 Column 信息状态 of the table 企业财务账户表

5.2.1.6.20.1 Card of the column 信息状态 of the table 企业财务账户表

Name	信息状态
Code	status
Data Type	enum('1','2','3')
Mandatory	Yes

5.2.1.6.20.2 Check constraint name of the column 信息状态 of the table 企业财务账户表

CK_status

5.2.1.6.20.3 Check of the column 信息状态 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	1
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.20.4 Server validation rule of the column 信息状态 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.20.5 List of extended attributes of the table column 信息状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.21 Column 审核意见 of the table 企业财务账户表

5.2.1.6.21.1 Card of the column 审核意见 of the table 企业财务账户表

Name	审核意见
Code	audit_opinion
Data Type	varchar(255)

Mandatory	No

5.2.1.6.21.2 Check constraint name of the column 审核意见 of the table 企业财务账户表

CK_audit_opinion

5.2.1.6.21.3 Check of the column 审核意见 of the table 企业财务账户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.6.21.4 Server validation rule of the column 审核意见 of the table 企业财务账户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.6.21.5 List of extended attributes of the table column 审核意见

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.6.22 List of keys of the table 企业财务账户表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.6.23 Key Key_1 of the table 企业财务账户表

5.2.1.6.23.1 Card of the key Key_1 of the table 企业财务账户表

Name	Key_1
Code	Key_1
Table	企业财务账户表

5.2.1.6.23.2 Code preview of the key Key_1 of the table 企业财务账户表

```
use coal_trading;

alter table ct_finance
   drop primary key;
```

5.2.1.6.23.3 List of columns of the table key Key_1

Name	*Code*
交易用户ID	main_userid

5.2.1.6.23.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.6.24 List of indexes of the table 企业财务账户表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_main_userid	Index_main_userid	X				
Index_finance_userid	Index_finance_userid	X				

5.2.1.6.25 Index Index_main_userid of the table 企业财务账户表

5.2.1.6.25.1 Card of the index Index_main_userid of the table 企业财务账户表

Name	Index_main_userid
Code	Index_main_userid
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	企业财务账户表

5.2.1.6.25.2 Code preview of the index Index_main_userid of the table 企业财务账户表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_main_userid                                     */
/*==============================================================*/
create unique index Index_main_userid on ct_finance
(
   main_userid
);
```

5.2.1.6.25.3 List of index columns of the table index Index_main_userid

Name	*Code*	*Sort*
交易用户ID	main_userid	Ascending

5.2.1.6.25.4 List of extended attributes of the table index Index_main_userid

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.6.26 Index Index_finance_userid of the table 企业财务账户表

5.2.1.6.26.1 Card of the index Index_finance_userid of the table 企业财务账户表

Name	Index_finance_userid
Code	Index_finance_userid
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	企业财务账户表

5.2.1.6.26.2 Code preview of the index Index_finance_userid of the table 企业财务账户表

```
use coal_trading;
```

```
use coal_trading;

/*==============================================================*/
/* Index: Index_finance_userid                                  */
/*==============================================================*/
create unique index Index_finance_userid on ct_finance
(
   finance_userid
);
```

5.2.1.6.26.3 List of index columns of the table index Index_finance_userid

Name	*Code*	*Sort*
财务用户ID	finance_userid	Ascending

5.2.1.6.26.4 List of extended attributes of the table index Index_finance_userid

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.7 Table 挂牌需求表

5.2.1.7.1 Card of table 挂牌需求表

Name	挂牌需求表
Code	ct_request
DBMS	MySQL 5.7

5.2.1.7.2 Check constraint name of the table 挂牌需求表

TK_ct_request

5.2.1.7.3 Server validation rule of the table 挂牌需求表

%RULES%

5.2.1.7.4 Options of the table 挂牌需求表

engine = InnoDB

5.2.1.7.5 Code preview of the table 挂牌需求表

```
use coal_trading;

drop table if exists ct_request;

/*==============================================================*/
/* Table: ct_request                                            */
/*==============================================================*/
create table ct_request
(
   id                   bigint(20) not null auto_increment comment '需求ID',
   user_id              bigint(20) comment '用户ID',
   request_company      varchar(100) comment '申请单位',
   request_num          varchar(100) comment '单据编号',
   created_time         datetime default CURRENT_TIMESTAMP comment '创建时间',
   ended_time           datetime comment '结束时间',
   type                 enum('1','2') comment '1. 卖出
         2. 采购',
   status               enum('1','2','3','4','6', '7','8','9','10','11','12','15') not null comment '需求状态
         1. 草稿
         2. 审核中
         3. 发布
         4. 被成功摘取，隐藏（摘牌方交完保证金）
         6. 完成
```

```
        7. 审核不通过（驳回）
        8. 等待上传合同
        9. 合同已上传，等待确认
        10. 合同被拒绝
        11. 合同被确认，同时生成订单
        12. 交易完成
        15. 待交保证金',
  detail            json comment '需求信息(JSON)',
  zp_id             bigint(20) comment '最终摘牌信息ID（摘牌表--摘牌ID）',
  contract_file     varchar(255) comment '合同文件（路径）',
  opinion           varchar(255) comment '审核意见',
  deposit           decimal(10,2) comment '挂牌保证金',
  primary key (id)
)
engine = InnoDB;

alter table ct_request comment '挂牌需求表';

/*==============================================================*/
/* Index: Index_req_id                                          */
/*==============================================================*/
create index Index_req_id on ct_request
(
  id
);

/*==============================================================*/
/* Index: Index_Request_Num                                     */
/*==============================================================*/
create unique index Index_Request_Num on ct_request
(
  request_num
);

alter table ct_request add constraint FK_REQ_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;

alter table ct_request add constraint FK_REQ_REF_USER_2 foreign key (zp_id)
    references ct_users (id) on delete restrict on update restrict;

alter table ct_request add constraint FK_RZ_REF_ZP foreign key (zp_id)
    references ct_zp (id) on delete restrict on update restrict;
```

5.2.1.7.6 List of diagrams containing the table 挂牌需求表

Name	*Code*
国煤交易系统	pdp

5.2.1.7.7 List of incoming references of the table 挂牌需求表

Name	*Code*
ORDER_REF_REQ	ORDER_REF_REQ

5.2.1.7.8 List of outgoing references of the table 挂牌需求表

Name	*Code*	*Foreign Key Columns*
REQ_REF_USER	REQ_REF_USER	用户ID
REQ_REF_USER_2	REQ_REF_USER_2	最终摘牌信息ID
RZ_REF_ZP	RZ_REF_ZP	最终摘牌信息ID

5.2.1.7.9 List of all dependencies of the table 挂牌需求表

Name	*Code*	*Class Name*

Name	*Code*	*Class Name*
ORDER_REF_REQ	ORDER_REF_REQ	Reference
REQ_REF_USER	REQ_REF_USER	Reference
REQ_REF_USER_2	REQ_REF_USER_2	Reference
RZ_REF_ZP	RZ_REF_ZP	Reference

5.2.1.7.10 List of extended attributes of the table 挂牌需求表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.7.11 List of columns of the table 挂牌需求表

Name	*Code*
需求ID	id
用户ID	user_id
申请单位	request_company
单据编号	request_num
创建时间	created_time
结束时间	ended_time
需求类型	type
需求状态	status
需求信息(JSON)	detail
最终摘牌信息ID	zp_id
合同文件（路径）	contract_file
审核意见	opinion
挂牌保证金	deposit

5.2.1.7.12 Column 需求ID of the table 挂牌需求表

5.2.1.7.12.1 Card of the column 需求ID of the table 挂牌需求表

Name	需求ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.7.12.2 Check constraint name of the column 需求ID of the table 挂牌需求表

CK_id

5.2.1.7.12.3 Check of the column 需求ID of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.12.4 Server validation rule of the column 需求ID of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.12.5 List of all dependencies of the table column 需求ID

Name	*Code*	*Class Name*

Name	*Code*	*Class Name*
Key_1	Key_1	Key
需求ID	id	Index Column
?	?	Reference Join

5.2.1.7.12.6 List of extended attributes of the table column 需求ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.13 Column 用户ID of the table 挂牌需求表

5.2.1.7.13.1 Card of the column 用户ID of the table 挂牌需求表

Name	用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	No

5.2.1.7.13.2 Check constraint name of the column 用户ID of the table 挂牌需求表

CK_user_id

5.2.1.7.13.3 Check of the column 用户ID of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.13.4 Server validation rule of the column 用户ID of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.13.5 List of all dependencies of the table column 用户ID

Name	*Code*	*Class Name*
?	?	Reference Join

5.2.1.7.13.6 List of extended attributes of the table column 用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.14 Column 申请单位 of the table 挂牌需求表

Name	申请单位
Code	request_company
Data Type	varchar(100)
Mandatory	No

5.2.1.7.14.2 Check constraint name of the column 申请单位 of the table 挂牌需求表

CK_request_company

5.2.1.7.14.3 Check of the column 申请单位 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.14.4 Server validation rule of the column 申请单位 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.14.5 List of extended attributes of the table column 申请单位

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.15 Column 单据编号 of the table 挂牌需求表

5.2.1.7.15.1 Card of the column 单据编号 of the table 挂牌需求表

Name	单据编号
Code	request_num
Data Type	varchar(100)
Mandatory	No

5.2.1.7.15.2 Check constraint name of the column 单据编号 of the table 挂牌需求表

CK_request_num

5.2.1.7.15.3 Check of the column 单据编号 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.15.4 Server validation rule of the column 单据编号 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

Name	*Code*	*Class Name*
单据编号	request_num	Index Column

5.2.1.7.15.6 List of extended attributes of the table column 单据编号

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.16 Column 创建时间 of the table 挂牌需求表

5.2.1.7.16.1 Card of the column 创建时间 of the table 挂牌需求表

Name	创建时间
Code	created_time
Data Type	datetime
Mandatory	No

5.2.1.7.16.2 Check constraint name of the column 创建时间 of the table 挂牌需求表

CK_created_time

5.2.1.7.16.3 Check of the column 创建时间 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.16.4 Server validation rule of the column 创建时间 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.16.5 List of extended attributes of the table column 创建时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.17 Column 结束时间 of the table 挂牌需求表

5.2.1.7.17.1 Card of the column 结束时间 of the table 挂牌需求表

Name	结束时间
Code	ended_time
Data Type	datetime
Mandatory	No

5.2.1.7.17.2 Check constraint name of the column 结束时间 of the table 挂牌需求表

CK_ended_time

5.2.1.7.17.3 Check of the column 结束时间 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.17.4 Server validation rule of the column 结束时间 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.17.5 List of extended attributes of the table column 结束时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.18 Column 需求类型 of the table 挂牌需求表

5.2.1.7.18.1 Card of the column 需求类型 of the table 挂牌需求表

Name	需求类型
Code	type
Data Type	enum('1','2')
Mandatory	No

5.2.1.7.18.2 Check constraint name of the column 需求类型 of the table 挂牌需求表

CK_type

5.2.1.7.18.3 Check of the column 需求类型 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.18.4 Server validation rule of the column 需求类型 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.18.5 List of extended attributes of the table column 需求类型

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.19 Column 需求状态 of the table 挂牌需求表

5.2.1.7.19.1 Card of the column 需求状态 of the table 挂牌需求表

Name	需求状态
Code	status
Data Type	enum('1','2','3','4','6', '7','8','9','10','11','12','15')
Mandatory	Yes

5.2.1.7.19.2 Check constraint name of the column 需求状态 of the table 挂牌需求表

CK_status

5.2.1.7.19.3 Check of the column 需求状态 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.19.4 Server validation rule of the column 需求状态 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.19.5 List of extended attributes of the table column 需求状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.20 Column 需求信息(JSON) of the table 挂牌需求表

5.2.1.7.20.1 Card of the column 需求信息(JSON) of the table 挂牌需求表

Name	需求信息(JSON)
Code	detail
Data Type	json
Mandatory	No

5.2.1.7.20.2 Check constraint name of the column 需求信息(JSON) of the table 挂牌需求表

CK_detail

5.2.1.7.20.3 Check of the column 需求信息(JSON) of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.20.4 Server validation rule of the column 需求信息(JSON) of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.20.5 List of extended attributes of the table column 需求信息(JSON)

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.21 Column 最终摘牌信息ID of the table 挂牌需求表

5.2.1.7.21.1 Card of the column 最终摘牌信息ID of the table 挂牌需求表

Name	最终摘牌信息ID
Code	zp_id
Data Type	bigint(20)
Mandatory	No

5.2.1.7.21.2 Check constraint name of the column 最终摘牌信息ID of the table 挂牌需求表
CK_zp_id

5.2.1.7.21.3 Check of the column 最终摘牌信息ID of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.21.4 Server validation rule of the column 最终摘牌信息ID of the table 挂牌需求表
%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.21.5 List of all dependencies of the table column 最终摘牌信息ID

Name	*Code*	*Class Name*
?	?	Reference Join
?	?	Reference Join

5.2.1.7.21.6 List of extended attributes of the table column 最终摘牌信息ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.22 Column 合同文件（路径） of the table 挂牌需求表

5.2.1.7.22.1 Card of the column 合同文件（路径） of the table 挂牌需求表

Name	合同文件（路径）
Code	contract_file
Data Type	varchar(255)

Mandatory	No

5.2.1.7.22.2 Check constraint name of the column 合同文件（路径） of the table 挂牌需求表

CK_contract_file

5.2.1.7.22.3 Check of the column 合同文件（路径） of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.22.4 Server validation rule of the column 合同文件（路径） of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.22.5 List of extended attributes of the table column 合同文件（路径）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.23 Column 审核意见 of the table 挂牌需求表

5.2.1.7.23.1 Card of the column 审核意见 of the table 挂牌需求表

Name	审核意见
Code	opinion
Data Type	varchar(255)
Mandatory	No

5.2.1.7.23.2 Check constraint name of the column 审核意见 of the table 挂牌需求表

CK_opinion

5.2.1.7.23.3 Check of the column 审核意见 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.23.4 Server validation rule of the column 审核意见 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.23.5 List of extended attributes of the table column 审核意见

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.24 Column 挂牌保证金 of the table 挂牌需求表

5.2.1.7.24.1 Card of the column 挂牌保证金 of the table 挂牌需求表

Name	挂牌保证金
Code	deposit
Data Type	decimal(10,2)
Mandatory	No

5.2.1.7.24.2 Check constraint name of the column 挂牌保证金 of the table 挂牌需求表

CK_deposit

5.2.1.7.24.3 Check of the column 挂牌保证金 of the table 挂牌需求表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.7.24.4 Server validation rule of the column 挂牌保证金 of the table 挂牌需求表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.7.24.5 List of extended attributes of the table column 挂牌保证金

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.7.25 List of keys of the table 挂牌需求表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.7.26 Key Key_1 of the table 挂牌需求表

5.2.1.7.26.1 Card of the key Key_1 of the table 挂牌需求表

Name	Key_1
Code	Key_1
Table	挂牌需求表

5.2.1.7.26.2 Code preview of the key Key_1 of the table 挂牌需求表

```
use coal_trading;

alter table ct_request
   drop primary key;
```

5.2.1.7.26.3 List of columns of the table key Key_1

Name	*Code*
需求ID	id

5.2.1.7.26.4 List of all dependencies of the table key Key_1

Name	*Code*	*Class Name*
ORDER_REF_REQ	ORDER_REF_REQ	Reference

5.2.1.7.26.5 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.7.27 List of indexes of the table 挂牌需求表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_req_id	Index_req_id					
Index_Request_Num	Index_Request_Num	X				

5.2.1.7.28 Index Index_req_id of the table 挂牌需求表

5.2.1.7.28.1 Card of the index Index_req_id of the table 挂牌需求表

Name	Index_req_id
Code	Index_req_id
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	挂牌需求表

5.2.1.7.28.2 Code preview of the index Index_req_id of the table 挂牌需求表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_req_id                                          */
/*==============================================================*/
create index Index_req_id on ct_request
(
   id
);
```

5.2.1.7.28.3 List of index columns of the table index Index_req_id

Name	*Code*	*Sort*
需求ID	id	Ascending

5.2.1.7.28.4 List of extended attributes of the table index Index_req_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.7.29 Index Index_Request_Num of the table 挂牌需求表

5.2.1.7.29.1 Card of the index Index_Request_Num of the table 挂牌需求表

Name	Index_Request_Num
Code	Index_Request_Num
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	挂牌需求表

5.2.1.7.29.2 Code preview of the index Index_Request_Num of the table 挂牌需求表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_Request_Num                                     */
/*==============================================================*/
create unique index Index_Request_Num on ct_request
(
   request_num
);
```

5.2.1.7.29.3 List of index columns of the table index Index_Request_Num

Name	*Code*	*Sort*
单据编号	request_num	Ascending

5.2.1.7.29.4 List of extended attributes of the table index Index_Request_Num

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.8 Table 摘牌表

5.2.1.8.1 Card of table 摘牌表

Name	摘牌表
Code	ct_zp
DBMS	MySQL 5.7

5.2.1.8.2 Check constraint name of the table 摘牌表

TK_ct_zp

5.2.1.8.3 Server validation rule of the table 摘牌表

%RULES%

5.2.1.8.4 Options of the table 摘牌表

engine = InnoDB

5.2.1.8.5 Code preview of the table 摘牌表

```
use coal_trading;

drop table if exists ct_zp;

/*==============================================================*/
```

```
/* Table: ct_zp                                 */
/*==============================================================*/
create table ct_zp
(
   id                   bigint(20) not null auto_increment comment '摘牌ID',
   req_id               bigint(20) not null comment '需求ID',
   user_id              bigint(20) not null comment '摘牌用户ID',
   deposit              decimal(10,2) comment '摘牌保证金数额',
   status               enum('1','2','3') comment '摘牌状态
         1. 等待交保证金
         2. 成功
         3. 失败（被抢先摘牌）',
   opinion              varchar(255) comment '审核意见',
   created_time         datetime not null default CURRENT_TIMESTAMP comment '摘牌时间',
   type                 enum('1','2') comment '摘牌类型
         1. 买方摘牌
         2. 卖方摘牌',
   primary key (id)
)
engine = InnoDB;

/*==============================================================*/
/* Index: Index_ZP_USER_ID                      */
/*==============================================================*/
create index Index_ZP_USER_ID on ct_zp
(
   user_id
);

/*==============================================================*/
/* Index: Index_Req_User                        */
/*==============================================================*/
create unique index Index_Req_User on ct_zp
(
   req_id,
   user_id
);
```

5.2.1.8.6 List of diagrams containing the table 摘牌表

Name	*Code*
国煤交易系统	pdp

5.2.1.8.7 List of incoming references of the table 摘牌表

Name	*Code*
RZ_REF_ZP	RZ_REF_ZP

5.2.1.8.8 List of all dependencies of the table 摘牌表

Name	*Code*	*Class Name*
RZ_REF_ZP	RZ_REF_ZP	Reference

5.2.1.8.9 List of extended attributes of the table 摘牌表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.8.10 List of columns of the table 摘牌表

Name	*Code*
摘牌ID	id
需求ID	req_id

Name	*Code*
摘牌用户ID	user_id
摘牌保证金数额	deposit
摘牌状态	status
审核意见	opinion
摘牌时间	created_time
摘牌类型	type

5.2.1.8.11 Column 摘牌ID of the table 摘牌表

5.2.1.8.11.1 Card of the column 摘牌ID of the table 摘牌表

Name	摘牌ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.8.11.2 Check constraint name of the column 摘牌ID of the table 摘牌表

CK_id

5.2.1.8.11.3 Check of the column 摘牌ID of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.11.4 Server validation rule of the column 摘牌ID of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.11.5 List of all dependencies of the table column 摘牌ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
?	?	Reference Join

5.2.1.8.11.6 List of extended attributes of the table column 摘牌ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.12 Column 需求ID of the table 摘牌表

5.2.1.8.12.1 Card of the column 需求ID of the table 摘牌表

Name	需求ID
Code	req_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.8.12.2 Check constraint name of the column 需求ID of the table 摘牌表

CK_req_id

5.2.1.8.12.3 Check of the column 需求ID of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.12.4 Server validation rule of the column 需求ID of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.12.5 List of all dependencies of the table column 需求ID

Name	*Code*	*Class Name*
需求ID	req_id	Index Column

5.2.1.8.12.6 List of extended attributes of the table column 需求ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.13 Column 摘牌用户ID of the table 摘牌表

5.2.1.8.13.1 Card of the column 摘牌用户ID of the table 摘牌表

Name	摘牌用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.8.13.2 Check constraint name of the column 摘牌用户ID of the table 摘牌表

CK_user_id

5.2.1.8.13.3 Check of the column 摘牌用户ID of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.13.4 Server validation rule of the column 摘牌用户ID of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.13.5 List of all dependencies of the table column 摘牌用户ID

Name	*Code*	*Class Name*

Name	*Code*	*Class Name*
摘牌用户ID	user_id	Index Column
摘牌用户ID	user_id	Index Column

5.2.1.8.13.6 List of extended attributes of the table column 摘牌用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.14 Column 摘牌保证金数额 of the table 摘牌表

5.2.1.8.14.1 Card of the column 摘牌保证金数额 of the table 摘牌表

Name	摘牌保证金数额
Code	deposit
Data Type	decimal(10,2)
Mandatory	No

5.2.1.8.14.2 Check constraint name of the column 摘牌保证金数额 of the table 摘牌表

CK_deposit

5.2.1.8.14.3 Check of the column 摘牌保证金数额 of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.14.4 Server validation rule of the column 摘牌保证金数额 of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.14.5 List of extended attributes of the table column 摘牌保证金数额

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.15 Column 摘牌状态 of the table 摘牌表

5.2.1.8.15.1 Card of the column 摘牌状态 of the table 摘牌表

Name	摘牌状态
Code	status
Data Type	enum('1','2','3')
Mandatory	No

5.2.1.8.15.2 Check constraint name of the column 摘牌状态 of the table 摘牌表

CK_status

5.2.1.8.15.3 Check of the column 摘牌状态 of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.15.4 Server validation rule of the column 摘牌状态 of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.15.5 List of extended attributes of the table column 摘牌状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.16 Column 审核意见 of the table 摘牌表

5.2.1.8.16.1 Card of the column 审核意见 of the table 摘牌表

Name	审核意见
Code	opinion
Data Type	varchar(255)
Mandatory	No

5.2.1.8.16.2 Check constraint name of the column 审核意见 of the table 摘牌表

CK_opinion

5.2.1.8.16.3 Check of the column 审核意见 of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.16.4 Server validation rule of the column 审核意见 of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.16.5 List of extended attributes of the table column 审核意见

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.17 Column 摘牌时间 of the table 摘牌表

5.2.1.8.17.1 Card of the column 摘牌时间 of the table 摘牌表

Name	摘牌时间
Code	created_time
Data Type	datetime
Mandatory	Yes

5.2.1.8.17.2 Check constraint name of the column 摘牌时间 of the table 摘牌表

CK_created_time

5.2.1.8.17.3 Check of the column 摘牌时间 of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.8.17.4 Server validation rule of the column 摘牌时间 of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.17.5 List of extended attributes of the table column 摘牌时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.18 Column 摘牌类型 of the table 摘牌表

5.2.1.8.18.1 Card of the column 摘牌类型 of the table 摘牌表

Name	摘牌类型
Code	type
Data Type	enum('1','2')
Mandatory	No

5.2.1.8.18.2 Check constraint name of the column 摘牌类型 of the table 摘牌表

CK_type

5.2.1.8.18.3 Check of the column 摘牌类型 of the table 摘牌表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	

Cannot Modify	No
List Of Values	

5.2.1.8.18.4 Server validation rule of the column 摘牌类型 of the table 摘牌表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.8.18.5 List of extended attributes of the table column 摘牌类型

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.8.19 List of keys of the table 摘牌表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.8.20 Key Key_1 of the table 摘牌表

5.2.1.8.20.1 Card of the key Key_1 of the table 摘牌表

Name	Key_1
Code	Key_1
Table	摘牌表

5.2.1.8.20.2 Code preview of the key Key_1 of the table 摘牌表

```
use coal_trading;

alter table ct_zp
   drop primary key;
```

5.2.1.8.20.3 List of columns of the table key Key_1

Name	*Code*
摘牌ID	id

5.2.1.8.20.4 List of all dependencies of the table key Key_1

Name	*Code*	*Class Name*
RZ_REF_ZP	RZ_REF_ZP	Reference

5.2.1.8.20.5 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.8.21 List of indexes of the table 摘牌表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_ZP_USER_ID	Index_ZP_USER_ID					
Index_Req_User	Index_Req_User	X				

5.2.1.8.22 Index Index_ZP_USER_ID of the table 摘牌表

5.2.1.8.22.1 Card of the index Index_ZP_USER_ID of the table 摘牌表

Name	Index_ZP_USER_ID
Code	Index_ZP_USER_ID
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	摘牌表

5.2.1.8.22.2 Code preview of the index Index_ZP_USER_ID of the table 摘牌表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_ZP_USER_ID                                      */
/*==============================================================*/
create index Index_ZP_USER_ID on ct_zp
(
   user_id
);
```

5.2.1.8.22.3 List of index columns of the table index Index_ZP_USER_ID

Name	*Code*	*Sort*
摘牌用户ID	user_id	Ascending

5.2.1.8.22.4 List of extended attributes of the table index Index_ZP_USER_ID

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.8.23 Index Index_Req_User of the table 摘牌表

5.2.1.8.23.1 Card of the index Index_Req_User of the table 摘牌表

Name	Index_Req_User
Code	Index_Req_User
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	摘牌表

5.2.1.8.23.2 Code preview of the index Index_Req_User of the table 摘牌表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_Req_User                                        */
/*==============================================================*/
create unique index Index_Req_User on ct_zp
(
```

```
  req_id,
  user_id
);
```

5.2.1.8.23.3 List of index columns of the table index Index_Req_User

Name	*Code*	*Sort*
需求ID	req_id	Ascending
摘牌用户ID	user_id	Ascending

5.2.1.8.23.4 List of extended attributes of the table index Index_Req_User

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.9 Table 新闻资讯表

5.2.1.9.1 Card of table 新闻资讯表

Name	新闻资讯表
Code	ct_news
DBMS	MySQL 5.7

5.2.1.9.2 Check constraint name of the table 新闻资讯表

TK_ct_news

5.2.1.9.3 Server validation rule of the table 新闻资讯表

%RULES%

5.2.1.9.4 Options of the table 新闻资讯表

engine = InnoDB

5.2.1.9.5 End script of the table 新闻资讯表

```
INSERT INTO ct_news(title, content, status, author_id, auditor_id)
VALUES
("草稿资讯0", "草稿资讯的内容0", 1, 2, NULL),
("草稿资讯1", "草稿资讯的内容1", 1, 2, NULL),
("草稿资讯2", "草稿资讯的内容2", 1, 2, NULL),
("草稿资讯3", "草稿资讯的内容3", 1, 2, NULL),
("草稿资讯4", "草稿资讯的内容4", 1, 2, NULL),
("草稿资讯5", "草稿资讯的内容5", 1, 2, NULL),
("草稿资讯6", "草稿资讯的内容6", 1, 2, NULL),
("草稿资讯7", "草稿资讯的内容7", 1, 2, NULL),
("草稿资讯8", "草稿资讯的内容8", 1, 2, NULL),
("草稿资讯9", "草稿资讯的内容9", 1, 2, NULL),
("草稿资讯10", "草稿资讯的内容10", 1, 2, NULL),
("草稿资讯11", "草稿资讯的内容11", 1, 2, NULL),
("草稿资讯12", "草稿资讯的内容12", 1, 2, NULL),
("草稿资讯13", "草稿资讯的内容13", 1, 2, NULL),
("草稿资讯14", "草稿资讯的内容14", 1, 2, NULL),
("草稿资讯15", "草稿资讯的内容15", 1, 2, NULL),
("草稿资讯16", "草稿资讯的内容16", 1, 2, NULL),
("草稿资讯17", "草稿资讯的内容17", 1, 2, NULL),
("草稿资讯18", "草稿资讯的内容18", 1, 2, NULL),
("草稿资讯19", "草稿资讯的内容19", 1, 2, NULL),
("草稿资讯20", "草稿资讯的内容20", 1, 2, NULL),
("草稿资讯21", "草稿资讯的内容21", 1, 2, NULL),
("草稿资讯22", "草稿资讯的内容22", 1, 2, NULL),
("草稿资讯23", "草稿资讯的内容23", 1, 2, NULL),
("草稿资讯24", "草稿资讯的内容24", 1, 2, NULL),
("草稿资讯25", "草稿资讯的内容25", 1, 2, NULL),
("草稿资讯26", "草稿资讯的内容26", 1, 2, NULL),
```

("草稿资讯27", "草稿资讯的内容27", 1, 2, NULL),
("草稿资讯28", "草稿资讯的内容28", 1, 2, NULL),
("草稿资讯29", "草稿资讯的内容29", 1, 2, NULL),
("草稿资讯30", "草稿资讯的内容30", 1, 2, NULL),
("草稿资讯31", "草稿资讯的内容31", 1, 2, NULL),
("草稿资讯32", "草稿资讯的内容32", 1, 2, NULL),
("草稿资讯33", "草稿资讯的内容33", 1, 2, NULL),
("草稿资讯34", "草稿资讯的内容34", 1, 2, NULL),
("草稿资讯35", "草稿资讯的内容35", 1, 2, NULL),
("草稿资讯36", "草稿资讯的内容36", 1, 2, NULL),
("草稿资讯37", "草稿资讯的内容37", 1, 2, NULL),
("草稿资讯38", "草稿资讯的内容38", 1, 2, NULL),
("草稿资讯39", "草稿资讯的内容39", 1, 2, NULL),
("草稿资讯40", "草稿资讯的内容40", 1, 2, NULL),
("草稿资讯41", "草稿资讯的内容41", 1, 2, NULL),
("草稿资讯42", "草稿资讯的内容42", 1, 2, NULL),
("草稿资讯43", "草稿资讯的内容43", 1, 2, NULL),
("草稿资讯44", "草稿资讯的内容44", 1, 2, NULL),
("草稿资讯45", "草稿资讯的内容45", 1, 2, NULL),
("草稿资讯46", "草稿资讯的内容46", 1, 2, NULL),
("草稿资讯47", "草稿资讯的内容47", 1, 2, NULL),
("草稿资讯48", "草稿资讯的内容48", 1, 2, NULL),
("草稿资讯49", "草稿资讯的内容49", 1, 2, NULL),
("草稿资讯50", "草稿资讯的内容50", 1, 2, NULL),
("草稿资讯51", "草稿资讯的内容51", 1, 2, NULL),
("草稿资讯52", "草稿资讯的内容52", 1, 2, NULL),
("草稿资讯53", "草稿资讯的内容53", 1, 2, NULL),
("草稿资讯54", "草稿资讯的内容54", 1, 2, NULL),
("草稿资讯55", "草稿资讯的内容55", 1, 2, NULL),
("草稿资讯56", "草稿资讯的内容56", 1, 2, NULL),
("草稿资讯57", "草稿资讯的内容57", 1, 2, NULL),
("草稿资讯58", "草稿资讯的内容58", 1, 2, NULL),
("草稿资讯59", "草稿资讯的内容59", 1, 2, NULL),
("草稿资讯60", "草稿资讯的内容60", 1, 2, NULL),
("草稿资讯61", "草稿资讯的内容61", 1, 2, NULL),
("草稿资讯62", "草稿资讯的内容62", 1, 2, NULL),
("草稿资讯63", "草稿资讯的内容63", 1, 2, NULL),
("草稿资讯64", "草稿资讯的内容64", 1, 2, NULL),
("草稿资讯65", "草稿资讯的内容65", 1, 2, NULL),
("草稿资讯66", "草稿资讯的内容66", 1, 2, NULL),
("草稿资讯67", "草稿资讯的内容67", 1, 2, NULL),
("草稿资讯68", "草稿资讯的内容68", 1, 2, NULL),
("草稿资讯69", "草稿资讯的内容69", 1, 2, NULL),
("草稿资讯70", "草稿资讯的内容70", 1, 2, NULL),
("草稿资讯71", "草稿资讯的内容71", 1, 2, NULL),
("草稿资讯72", "草稿资讯的内容72", 1, 2, NULL),
("草稿资讯73", "草稿资讯的内容73", 1, 2, NULL),
("草稿资讯74", "草稿资讯的内容74", 1, 2, NULL),
("草稿资讯75", "草稿资讯的内容75", 1, 2, NULL),
("草稿资讯76", "草稿资讯的内容76", 1, 2, NULL),
("草稿资讯77", "草稿资讯的内容77", 1, 2, NULL),
("草稿资讯78", "草稿资讯的内容78", 1, 2, NULL),
("草稿资讯79", "草稿资讯的内容79", 1, 2, NULL),
("草稿资讯80", "草稿资讯的内容80", 1, 2, NULL),
("草稿资讯81", "草稿资讯的内容81", 1, 2, NULL),
("草稿资讯82", "草稿资讯的内容82", 1, 2, NULL),
("草稿资讯83", "草稿资讯的内容83", 1, 2, NULL),
("草稿资讯84", "草稿资讯的内容84", 1, 2, NULL),
("草稿资讯85", "草稿资讯的内容85", 1, 2, NULL),
("草稿资讯86", "草稿资讯的内容86", 1, 2, NULL),
("草稿资讯87", "草稿资讯的内容87", 1, 2, NULL),
("草稿资讯88", "草稿资讯的内容88", 1, 2, NULL),
("草稿资讯89", "草稿资讯的内容89", 1, 2, NULL),

("草稿资讯90", "草稿资讯的内容90", 1, 2, NULL),
("草稿资讯91", "草稿资讯的内容91", 1, 2, NULL),
("草稿资讯92", "草稿资讯的内容92", 1, 2, NULL),
("草稿资讯93", "草稿资讯的内容93", 1, 2, NULL),
("草稿资讯94", "草稿资讯的内容94", 1, 2, NULL),
("草稿资讯95", "草稿资讯的内容95", 1, 2, NULL),
("草稿资讯96", "草稿资讯的内容96", 1, 2, NULL),
("草稿资讯97", "草稿资讯的内容97", 1, 2, NULL),
("草稿资讯98", "草稿资讯的内容98", 1, 2, NULL),
("草稿资讯99", "草稿资讯的内容99", 1, 2, NULL),

("审核中资讯0", "审核中资讯的内容0", 2, 2, 3),
("审核中资讯1", "审核中资讯的内容1", 2, 2, 3),
("审核中资讯2", "审核中资讯的内容2", 2, 2, 3),
("审核中资讯3", "审核中资讯的内容3", 2, 2, 3),
("审核中资讯4", "审核中资讯的内容4", 2, 2, 3),
("审核中资讯5", "审核中资讯的内容5", 2, 2, 3),
("审核中资讯6", "审核中资讯的内容6", 2, 2, 3),
("审核中资讯7", "审核中资讯的内容7", 2, 2, 3),
("审核中资讯8", "审核中资讯的内容8", 2, 2, 3),
("审核中资讯9", "审核中资讯的内容9", 2, 2, 3),
("审核中资讯10", "审核中资讯的内容10", 2, 2, 3),
("审核中资讯11", "审核中资讯的内容11", 2, 2, 3),
("审核中资讯12", "审核中资讯的内容12", 2, 2, 3),
("审核中资讯13", "审核中资讯的内容13", 2, 2, 3),
("审核中资讯14", "审核中资讯的内容14", 2, 2, 3),
("审核中资讯15", "审核中资讯的内容15", 2, 2, 3),
("审核中资讯16", "审核中资讯的内容16", 2, 2, 3),
("审核中资讯17", "审核中资讯的内容17", 2, 2, 3),
("审核中资讯18", "审核中资讯的内容18", 2, 2, 3),
("审核中资讯19", "审核中资讯的内容19", 2, 2, 3),
("审核中资讯20", "审核中资讯的内容20", 2, 2, 3),
("审核中资讯21", "审核中资讯的内容21", 2, 2, 3),
("审核中资讯22", "审核中资讯的内容22", 2, 2, 3),
("审核中资讯23", "审核中资讯的内容23", 2, 2, 3),
("审核中资讯24", "审核中资讯的内容24", 2, 2, 3),
("审核中资讯25", "审核中资讯的内容25", 2, 2, 3),
("审核中资讯26", "审核中资讯的内容26", 2, 2, 3),
("审核中资讯27", "审核中资讯的内容27", 2, 2, 3),
("审核中资讯28", "审核中资讯的内容28", 2, 2, 3),
("审核中资讯29", "审核中资讯的内容29", 2, 2, 3),
("审核中资讯30", "审核中资讯的内容30", 2, 2, 3),
("审核中资讯31", "审核中资讯的内容31", 2, 2, 3),
("审核中资讯32", "审核中资讯的内容32", 2, 2, 3),
("审核中资讯33", "审核中资讯的内容33", 2, 2, 3),
("审核中资讯34", "审核中资讯的内容34", 2, 2, 3),
("审核中资讯35", "审核中资讯的内容35", 2, 2, 3),
("审核中资讯36", "审核中资讯的内容36", 2, 2, 3),
("审核中资讯37", "审核中资讯的内容37", 2, 2, 3),
("审核中资讯38", "审核中资讯的内容38", 2, 2, 3),
("审核中资讯39", "审核中资讯的内容39", 2, 2, 3),
("审核中资讯40", "审核中资讯的内容40", 2, 2, 3),
("审核中资讯41", "审核中资讯的内容41", 2, 2, 3),
("审核中资讯42", "审核中资讯的内容42", 2, 2, 3),
("审核中资讯43", "审核中资讯的内容43", 2, 2, 3),
("审核中资讯44", "审核中资讯的内容44", 2, 2, 3),
("审核中资讯45", "审核中资讯的内容45", 2, 2, 3),
("审核中资讯46", "审核中资讯的内容46", 2, 2, 3),
("审核中资讯47", "审核中资讯的内容47", 2, 2, 3),
("审核中资讯48", "审核中资讯的内容48", 2, 2, 3),
("审核中资讯49", "审核中资讯的内容49", 2, 2, 3),

("审核驳回资讯0", "审核驳回资讯的内容0", 3, 2, 3),

("审核驳回资讯1", "审核驳回资讯的内容1", 3, 2, 3),
("审核驳回资讯2", "审核驳回资讯的内容2", 3, 2, 3),
("审核驳回资讯3", "审核驳回资讯的内容3", 3, 2, 3),
("审核驳回资讯4", "审核驳回资讯的内容4", 3, 2, 3),
("审核驳回资讯5", "审核驳回资讯的内容5", 3, 2, 3),
("审核驳回资讯6", "审核驳回资讯的内容6", 3, 2, 3),
("审核驳回资讯7", "审核驳回资讯的内容7", 3, 2, 3),
("审核驳回资讯8", "审核驳回资讯的内容8", 3, 2, 3),
("审核驳回资讯9", "审核驳回资讯的内容9", 3, 2, 3),
("审核驳回资讯10", "审核驳回资讯的内容10", 3, 2, 3),
("审核驳回资讯11", "审核驳回资讯的内容11", 3, 2, 3),
("审核驳回资讯12", "审核驳回资讯的内容12", 3, 2, 3),
("审核驳回资讯13", "审核驳回资讯的内容13", 3, 2, 3),
("审核驳回资讯14", "审核驳回资讯的内容14", 3, 2, 3),
("审核驳回资讯15", "审核驳回资讯的内容15", 3, 2, 3),
("审核驳回资讯16", "审核驳回资讯的内容16", 3, 2, 3),
("审核驳回资讯17", "审核驳回资讯的内容17", 3, 2, 3),
("审核驳回资讯18", "审核驳回资讯的内容18", 3, 2, 3),
("审核驳回资讯19", "审核驳回资讯的内容19", 3, 2, 3),
("审核驳回资讯20", "审核驳回资讯的内容20", 3, 2, 3),
("审核驳回资讯21", "审核驳回资讯的内容21", 3, 2, 3),
("审核驳回资讯22", "审核驳回资讯的内容22", 3, 2, 3),
("审核驳回资讯23", "审核驳回资讯的内容23", 3, 2, 3),
("审核驳回资讯24", "审核驳回资讯的内容24", 3, 2, 3),
("审核驳回资讯25", "审核驳回资讯的内容25", 3, 2, 3),
("审核驳回资讯26", "审核驳回资讯的内容26", 3, 2, 3),
("审核驳回资讯27", "审核驳回资讯的内容27", 3, 2, 3),
("审核驳回资讯28", "审核驳回资讯的内容28", 3, 2, 3),
("审核驳回资讯29", "审核驳回资讯的内容29", 3, 2, 3),
("审核驳回资讯30", "审核驳回资讯的内容30", 3, 2, 3),
("审核驳回资讯31", "审核驳回资讯的内容31", 3, 2, 3),
("审核驳回资讯32", "审核驳回资讯的内容32", 3, 2, 3),
("审核驳回资讯33", "审核驳回资讯的内容33", 3, 2, 3),
("审核驳回资讯34", "审核驳回资讯的内容34", 3, 2, 3),
("审核驳回资讯35", "审核驳回资讯的内容35", 3, 2, 3),
("审核驳回资讯36", "审核驳回资讯的内容36", 3, 2, 3),
("审核驳回资讯37", "审核驳回资讯的内容37", 3, 2, 3),
("审核驳回资讯38", "审核驳回资讯的内容38", 3, 2, 3),
("审核驳回资讯39", "审核驳回资讯的内容39", 3, 2, 3),
("审核驳回资讯40", "审核驳回资讯的内容40", 3, 2, 3),
("审核驳回资讯41", "审核驳回资讯的内容41", 3, 2, 3),
("审核驳回资讯42", "审核驳回资讯的内容42", 3, 2, 3),
("审核驳回资讯43", "审核驳回资讯的内容43", 3, 2, 3),
("审核驳回资讯44", "审核驳回资讯的内容44", 3, 2, 3),
("审核驳回资讯45", "审核驳回资讯的内容45", 3, 2, 3),
("审核驳回资讯46", "审核驳回资讯的内容46", 3, 2, 3),
("审核驳回资讯47", "审核驳回资讯的内容47", 3, 2, 3),
("审核驳回资讯48", "审核驳回资讯的内容48", 3, 2, 3),
("审核驳回资讯49", "审核驳回资讯的内容49", 3, 2, 3),

("发布的资讯0", "发布的资讯的内容0", 4, 2, 3),
("发布的资讯1", "发布的资讯的内容1", 4, 2, 3),
("发布的资讯2", "发布的资讯的内容2", 4, 2, 3),
("发布的资讯3", "发布的资讯的内容3", 4, 2, 3),
("发布的资讯4", "发布的资讯的内容4", 4, 2, 3),
("发布的资讯5", "发布的资讯的内容5", 4, 2, 3),
("发布的资讯6", "发布的资讯的内容6", 4, 2, 3),
("发布的资讯7", "发布的资讯的内容7", 4, 2, 3),
("发布的资讯8", "发布的资讯的内容8", 4, 2, 3),
("发布的资讯9", "发布的资讯的内容9", 4, 2, 3),
("发布的资讯10", "发布的资讯的内容10", 4, 2, 3),
("发布的资讯11", "发布的资讯的内容11", 4, 2, 3),
("发布的资讯12", "发布的资讯的内容12", 4, 2, 3),

("发布的资讯13", "发布的资讯的内容13", 4, 2, 3),
("发布的资讯14", "发布的资讯的内容14", 4, 2, 3),
("发布的资讯15", "发布的资讯的内容15", 4, 2, 3),
("发布的资讯16", "发布的资讯的内容16", 4, 2, 3),
("发布的资讯17", "发布的资讯的内容17", 4, 2, 3),
("发布的资讯18", "发布的资讯的内容18", 4, 2, 3),
("发布的资讯19", "发布的资讯的内容19", 4, 2, 3),
("发布的资讯20", "发布的资讯的内容20", 4, 2, 3),
("发布的资讯21", "发布的资讯的内容21", 4, 2, 3),
("发布的资讯22", "发布的资讯的内容22", 4, 2, 3),
("发布的资讯23", "发布的资讯的内容23", 4, 2, 3),
("发布的资讯24", "发布的资讯的内容24", 4, 2, 3),
("发布的资讯25", "发布的资讯的内容25", 4, 2, 3),
("发布的资讯26", "发布的资讯的内容26", 4, 2, 3),
("发布的资讯27", "发布的资讯的内容27", 4, 2, 3),
("发布的资讯28", "发布的资讯的内容28", 4, 2, 3),
("发布的资讯29", "发布的资讯的内容29", 4, 2, 3),
("发布的资讯30", "发布的资讯的内容30", 4, 2, 3),
("发布的资讯31", "发布的资讯的内容31", 4, 2, 3),
("发布的资讯32", "发布的资讯的内容32", 4, 2, 3),
("发布的资讯33", "发布的资讯的内容33", 4, 2, 3),
("发布的资讯34", "发布的资讯的内容34", 4, 2, 3),
("发布的资讯35", "发布的资讯的内容35", 4, 2, 3),
("发布的资讯36", "发布的资讯的内容36", 4, 2, 3),
("发布的资讯37", "发布的资讯的内容37", 4, 2, 3),
("发布的资讯38", "发布的资讯的内容38", 4, 2, 3),
("发布的资讯39", "发布的资讯的内容39", 4, 2, 3),
("发布的资讯40", "发布的资讯的内容40", 4, 2, 3),
("发布的资讯41", "发布的资讯的内容41", 4, 2, 3),
("发布的资讯42", "发布的资讯的内容42", 4, 2, 3),
("发布的资讯43", "发布的资讯的内容43", 4, 2, 3),
("发布的资讯44", "发布的资讯的内容44", 4, 2, 3),
("发布的资讯45", "发布的资讯的内容45", 4, 2, 3),
("发布的资讯46", "发布的资讯的内容46", 4, 2, 3),
("发布的资讯47", "发布的资讯的内容47", 4, 2, 3),
("发布的资讯48", "发布的资讯的内容48", 4, 2, 3),
("发布的资讯49", "发布的资讯的内容49", 4, 2, 3),
("发布的资讯50", "发布的资讯的内容50", 4, 2, 3),
("发布的资讯51", "发布的资讯的内容51", 4, 2, 3),
("发布的资讯52", "发布的资讯的内容52", 4, 2, 3),
("发布的资讯53", "发布的资讯的内容53", 4, 2, 3),
("发布的资讯54", "发布的资讯的内容54", 4, 2, 3),
("发布的资讯55", "发布的资讯的内容55", 4, 2, 3),
("发布的资讯56", "发布的资讯的内容56", 4, 2, 3),
("发布的资讯57", "发布的资讯的内容57", 4, 2, 3),
("发布的资讯58", "发布的资讯的内容58", 4, 2, 3),
("发布的资讯59", "发布的资讯的内容59", 4, 2, 3),
("发布的资讯60", "发布的资讯的内容60", 4, 2, 3),
("发布的资讯61", "发布的资讯的内容61", 4, 2, 3),
("发布的资讯62", "发布的资讯的内容62", 4, 2, 3),
("发布的资讯63", "发布的资讯的内容63", 4, 2, 3),
("发布的资讯64", "发布的资讯的内容64", 4, 2, 3),
("发布的资讯65", "发布的资讯的内容65", 4, 2, 3),
("发布的资讯66", "发布的资讯的内容66", 4, 2, 3),
("发布的资讯67", "发布的资讯的内容67", 4, 2, 3),
("发布的资讯68", "发布的资讯的内容68", 4, 2, 3),
("发布的资讯69", "发布的资讯的内容69", 4, 2, 3),
("发布的资讯70", "发布的资讯的内容70", 4, 2, 3),
("发布的资讯71", "发布的资讯的内容71", 4, 2, 3),
("发布的资讯72", "发布的资讯的内容72", 4, 2, 3),
("发布的资讯73", "发布的资讯的内容73", 4, 2, 3),
("发布的资讯74", "发布的资讯的内容74", 4, 2, 3),
("发布的资讯75", "发布的资讯的内容75", 4, 2, 3),

```
("发布的资讯76", "发布的资讯的内容76", 4, 2, 3),
("发布的资讯77", "发布的资讯的内容77", 4, 2, 3),
("发布的资讯78", "发布的资讯的内容78", 4, 2, 3),
("发布的资讯79", "发布的资讯的内容79", 4, 2, 3),
("发布的资讯80", "发布的资讯的内容80", 4, 2, 3),
("发布的资讯81", "发布的资讯的内容81", 4, 2, 3),
("发布的资讯82", "发布的资讯的内容82", 4, 2, 3),
("发布的资讯83", "发布的资讯的内容83", 4, 2, 3),
("发布的资讯84", "发布的资讯的内容84", 4, 2, 3),
("发布的资讯85", "发布的资讯的内容85", 4, 2, 3),
("发布的资讯86", "发布的资讯的内容86", 4, 2, 3),
("发布的资讯87", "发布的资讯的内容87", 4, 2, 3),
("发布的资讯88", "发布的资讯的内容88", 4, 2, 3),
("发布的资讯89", "发布的资讯的内容89", 4, 2, 3),
("发布的资讯90", "发布的资讯的内容90", 4, 2, 3),
("发布的资讯91", "发布的资讯的内容91", 4, 2, 3),
("发布的资讯92", "发布的资讯的内容92", 4, 2, 3),
("发布的资讯93", "发布的资讯的内容93", 4, 2, 3),
("发布的资讯94", "发布的资讯的内容94", 4, 2, 3),
("发布的资讯95", "发布的资讯的内容95", 4, 2, 3),
("发布的资讯96", "发布的资讯的内容96", 4, 2, 3),
("发布的资讯97", "发布的资讯的内容97", 4, 2, 3),
("发布的资讯98", "发布的资讯的内容98", 4, 2, 3),
("发布的资讯99", "发布的资讯的内容99", 4, 2, 3),
("撤销的资讯", "撤销的资讯的内容", 5, 2, 3);
```

5.2.1.9.6 Code preview of the table 新闻资讯表

```
use coal_trading;

drop table if exists ct_news;

/*==============================================================*/
/* Table: ct_news                                               */
/*==============================================================*/
create table ct_news
(
  id                bigint(20) not null auto_increment comment '新闻ID',
  title             varchar(20) not null comment '新闻标题',
  content             text not null comment '内容',
  date              datetime default CURRENT_TIMESTAMP comment '创建时间',
  status            enum('1','2','3','4','5') not null comment '状态：
        1. 草稿
        2. 审核中
        3. 驳回（审核不通过）
        4. 发布
        5. 撤销（隐藏）
        删除（记录直接没了）',
  author_id         bigint(20) not null comment '编写人员',
  auditor_id        bigint(20) comment '审核人员',
  audit_opinion       varchar(255) comment '审核意见',
  primary key (id)
)
engine = InnoDB;

alter table ct_news comment '新闻资讯表';

INSERT INTO ct_news(title, content, status, author_id, auditor_id)
VALUES
("草稿资讯0", "草稿资讯的内容0", 1, 2, NULL),
("草稿资讯1", "草稿资讯的内容1", 1, 2, NULL),
("草稿资讯2", "草稿资讯的内容2", 1, 2, NULL),
("草稿资讯3", "草稿资讯的内容3", 1, 2, NULL),
("草稿资讯4", "草稿资讯的内容4", 1, 2, NULL),
```

("草稿资讯5", "草稿资讯的内容5", 1, 2, NULL),
("草稿资讯6", "草稿资讯的内容6", 1, 2, NULL),
("草稿资讯7", "草稿资讯的内容7", 1, 2, NULL),
("草稿资讯8", "草稿资讯的内容8", 1, 2, NULL),
("草稿资讯9", "草稿资讯的内容9", 1, 2, NULL),
("草稿资讯10", "草稿资讯的内容10", 1, 2, NULL),
("草稿资讯11", "草稿资讯的内容11", 1, 2, NULL),
("草稿资讯12", "草稿资讯的内容12", 1, 2, NULL),
("草稿资讯13", "草稿资讯的内容13", 1, 2, NULL),
("草稿资讯14", "草稿资讯的内容14", 1, 2, NULL),
("草稿资讯15", "草稿资讯的内容15", 1, 2, NULL),
("草稿资讯16", "草稿资讯的内容16", 1, 2, NULL),
("草稿资讯17", "草稿资讯的内容17", 1, 2, NULL),
("草稿资讯18", "草稿资讯的内容18", 1, 2, NULL),
("草稿资讯19", "草稿资讯的内容19", 1, 2, NULL),
("草稿资讯20", "草稿资讯的内容20", 1, 2, NULL),
("草稿资讯21", "草稿资讯的内容21", 1, 2, NULL),
("草稿资讯22", "草稿资讯的内容22", 1, 2, NULL),
("草稿资讯23", "草稿资讯的内容23", 1, 2, NULL),
("草稿资讯24", "草稿资讯的内容24", 1, 2, NULL),
("草稿资讯25", "草稿资讯的内容25", 1, 2, NULL),
("草稿资讯26", "草稿资讯的内容26", 1, 2, NULL),
("草稿资讯27", "草稿资讯的内容27", 1, 2, NULL),
("草稿资讯28", "草稿资讯的内容28", 1, 2, NULL),
("草稿资讯29", "草稿资讯的内容29", 1, 2, NULL),
("草稿资讯30", "草稿资讯的内容30", 1, 2, NULL),
("草稿资讯31", "草稿资讯的内容31", 1, 2, NULL),
("草稿资讯32", "草稿资讯的内容32", 1, 2, NULL),
("草稿资讯33", "草稿资讯的内容33", 1, 2, NULL),
("草稿资讯34", "草稿资讯的内容34", 1, 2, NULL),
("草稿资讯35", "草稿资讯的内容35", 1, 2, NULL),
("草稿资讯36", "草稿资讯的内容36", 1, 2, NULL),
("草稿资讯37", "草稿资讯的内容37", 1, 2, NULL),
("草稿资讯38", "草稿资讯的内容38", 1, 2, NULL),
("草稿资讯39", "草稿资讯的内容39", 1, 2, NULL),
("草稿资讯40", "草稿资讯的内容40", 1, 2, NULL),
("草稿资讯41", "草稿资讯的内容41", 1, 2, NULL),
("草稿资讯42", "草稿资讯的内容42", 1, 2, NULL),
("草稿资讯43", "草稿资讯的内容43", 1, 2, NULL),
("草稿资讯44", "草稿资讯的内容44", 1, 2, NULL),
("草稿资讯45", "草稿资讯的内容45", 1, 2, NULL),
("草稿资讯46", "草稿资讯的内容46", 1, 2, NULL),
("草稿资讯47", "草稿资讯的内容47", 1, 2, NULL),
("草稿资讯48", "草稿资讯的内容48", 1, 2, NULL),
("草稿资讯49", "草稿资讯的内容49", 1, 2, NULL),
("草稿资讯50", "草稿资讯的内容50", 1, 2, NULL),
("草稿资讯51", "草稿资讯的内容51", 1, 2, NULL),
("草稿资讯52", "草稿资讯的内容52", 1, 2, NULL),
("草稿资讯53", "草稿资讯的内容53", 1, 2, NULL),
("草稿资讯54", "草稿资讯的内容54", 1, 2, NULL),
("草稿资讯55", "草稿资讯的内容55", 1, 2, NULL),
("草稿资讯56", "草稿资讯的内容56", 1, 2, NULL),
("草稿资讯57", "草稿资讯的内容57", 1, 2, NULL),
("草稿资讯58", "草稿资讯的内容58", 1, 2, NULL),
("草稿资讯59", "草稿资讯的内容59", 1, 2, NULL),
("草稿资讯60", "草稿资讯的内容60", 1, 2, NULL),
("草稿资讯61", "草稿资讯的内容61", 1, 2, NULL),
("草稿资讯62", "草稿资讯的内容62", 1, 2, NULL),
("草稿资讯63", "草稿资讯的内容63", 1, 2, NULL),
("草稿资讯64", "草稿资讯的内容64", 1, 2, NULL),
("草稿资讯65", "草稿资讯的内容65", 1, 2, NULL),
("草稿资讯66", "草稿资讯的内容66", 1, 2, NULL),
("草稿资讯67", "草稿资讯的内容67", 1, 2, NULL),

("草稿资讯68", "草稿资讯的内容68", 1, 2, NULL),
("草稿资讯69", "草稿资讯的内容69", 1, 2, NULL),
("草稿资讯70", "草稿资讯的内容70", 1, 2, NULL),
("草稿资讯71", "草稿资讯的内容71", 1, 2, NULL),
("草稿资讯72", "草稿资讯的内容72", 1, 2, NULL),
("草稿资讯73", "草稿资讯的内容73", 1, 2, NULL),
("草稿资讯74", "草稿资讯的内容74", 1, 2, NULL),
("草稿资讯75", "草稿资讯的内容75", 1, 2, NULL),
("草稿资讯76", "草稿资讯的内容76", 1, 2, NULL),
("草稿资讯77", "草稿资讯的内容77", 1, 2, NULL),
("草稿资讯78", "草稿资讯的内容78", 1, 2, NULL),
("草稿资讯79", "草稿资讯的内容79", 1, 2, NULL),
("草稿资讯80", "草稿资讯的内容80", 1, 2, NULL),
("草稿资讯81", "草稿资讯的内容81", 1, 2, NULL),
("草稿资讯82", "草稿资讯的内容82", 1, 2, NULL),
("草稿资讯83", "草稿资讯的内容83", 1, 2, NULL),
("草稿资讯84", "草稿资讯的内容84", 1, 2, NULL),
("草稿资讯85", "草稿资讯的内容85", 1, 2, NULL),
("草稿资讯86", "草稿资讯的内容86", 1, 2, NULL),
("草稿资讯87", "草稿资讯的内容87", 1, 2, NULL),
("草稿资讯88", "草稿资讯的内容88", 1, 2, NULL),
("草稿资讯89", "草稿资讯的内容89", 1, 2, NULL),
("草稿资讯90", "草稿资讯的内容90", 1, 2, NULL),
("草稿资讯91", "草稿资讯的内容91", 1, 2, NULL),
("草稿资讯92", "草稿资讯的内容92", 1, 2, NULL),
("草稿资讯93", "草稿资讯的内容93", 1, 2, NULL),
("草稿资讯94", "草稿资讯的内容94", 1, 2, NULL),
("草稿资讯95", "草稿资讯的内容95", 1, 2, NULL),
("草稿资讯96", "草稿资讯的内容96", 1, 2, NULL),
("草稿资讯97", "草稿资讯的内容97", 1, 2, NULL),
("草稿资讯98", "草稿资讯的内容98", 1, 2, NULL),
("草稿资讯99", "草稿资讯的内容99", 1, 2, NULL),

("审核中资讯0", "审核中资讯的内容0", 2, 2, 3),
("审核中资讯1", "审核中资讯的内容1", 2, 2, 3),
("审核中资讯2", "审核中资讯的内容2", 2, 2, 3),
("审核中资讯3", "审核中资讯的内容3", 2, 2, 3),
("审核中资讯4", "审核中资讯的内容4", 2, 2, 3),
("审核中资讯5", "审核中资讯的内容5", 2, 2, 3),
("审核中资讯6", "审核中资讯的内容6", 2, 2, 3),
("审核中资讯7", "审核中资讯的内容7", 2, 2, 3),
("审核中资讯8", "审核中资讯的内容8", 2, 2, 3),
("审核中资讯9", "审核中资讯的内容9", 2, 2, 3),
("审核中资讯10", "审核中资讯的内容10", 2, 2, 3),
("审核中资讯11", "审核中资讯的内容11", 2, 2, 3),
("审核中资讯12", "审核中资讯的内容12", 2, 2, 3),
("审核中资讯13", "审核中资讯的内容13", 2, 2, 3),
("审核中资讯14", "审核中资讯的内容14", 2, 2, 3),
("审核中资讯15", "审核中资讯的内容15", 2, 2, 3),
("审核中资讯16", "审核中资讯的内容16", 2, 2, 3),
("审核中资讯17", "审核中资讯的内容17", 2, 2, 3),
("审核中资讯18", "审核中资讯的内容18", 2, 2, 3),
("审核中资讯19", "审核中资讯的内容19", 2, 2, 3),
("审核中资讯20", "审核中资讯的内容20", 2, 2, 3),
("审核中资讯21", "审核中资讯的内容21", 2, 2, 3),
("审核中资讯22", "审核中资讯的内容22", 2, 2, 3),
("审核中资讯23", "审核中资讯的内容23", 2, 2, 3),
("审核中资讯24", "审核中资讯的内容24", 2, 2, 3),
("审核中资讯25", "审核中资讯的内容25", 2, 2, 3),
("审核中资讯26", "审核中资讯的内容26", 2, 2, 3),
("审核中资讯27", "审核中资讯的内容27", 2, 2, 3),
("审核中资讯28", "审核中资讯的内容28", 2, 2, 3),
("审核中资讯29", "审核中资讯的内容29", 2, 2, 3),

("审核中资讯30", "审核中资讯的内容30", 2, 2, 3),
("审核中资讯31", "审核中资讯的内容31", 2, 2, 3),
("审核中资讯32", "审核中资讯的内容32", 2, 2, 3),
("审核中资讯33", "审核中资讯的内容33", 2, 2, 3),
("审核中资讯34", "审核中资讯的内容34", 2, 2, 3),
("审核中资讯35", "审核中资讯的内容35", 2, 2, 3),
("审核中资讯36", "审核中资讯的内容36", 2, 2, 3),
("审核中资讯37", "审核中资讯的内容37", 2, 2, 3),
("审核中资讯38", "审核中资讯的内容38", 2, 2, 3),
("审核中资讯39", "审核中资讯的内容39", 2, 2, 3),
("审核中资讯40", "审核中资讯的内容40", 2, 2, 3),
("审核中资讯41", "审核中资讯的内容41", 2, 2, 3),
("审核中资讯42", "审核中资讯的内容42", 2, 2, 3),
("审核中资讯43", "审核中资讯的内容43", 2, 2, 3),
("审核中资讯44", "审核中资讯的内容44", 2, 2, 3),
("审核中资讯45", "审核中资讯的内容45", 2, 2, 3),
("审核中资讯46", "审核中资讯的内容46", 2, 2, 3),
("审核中资讯47", "审核中资讯的内容47", 2, 2, 3),
("审核中资讯48", "审核中资讯的内容48", 2, 2, 3),
("审核中资讯49", "审核中资讯的内容49", 2, 2, 3),

("审核驳回资讯0", "审核驳回资讯的内容0", 3, 2, 3),
("审核驳回资讯1", "审核驳回资讯的内容1", 3, 2, 3),
("审核驳回资讯2", "审核驳回资讯的内容2", 3, 2, 3),
("审核驳回资讯3", "审核驳回资讯的内容3", 3, 2, 3),
("审核驳回资讯4", "审核驳回资讯的内容4", 3, 2, 3),
("审核驳回资讯5", "审核驳回资讯的内容5", 3, 2, 3),
("审核驳回资讯6", "审核驳回资讯的内容6", 3, 2, 3),
("审核驳回资讯7", "审核驳回资讯的内容7", 3, 2, 3),
("审核驳回资讯8", "审核驳回资讯的内容8", 3, 2, 3),
("审核驳回资讯9", "审核驳回资讯的内容9", 3, 2, 3),
("审核驳回资讯10", "审核驳回资讯的内容10", 3, 2, 3),
("审核驳回资讯11", "审核驳回资讯的内容11", 3, 2, 3),
("审核驳回资讯12", "审核驳回资讯的内容12", 3, 2, 3),
("审核驳回资讯13", "审核驳回资讯的内容13", 3, 2, 3),
("审核驳回资讯14", "审核驳回资讯的内容14", 3, 2, 3),
("审核驳回资讯15", "审核驳回资讯的内容15", 3, 2, 3),
("审核驳回资讯16", "审核驳回资讯的内容16", 3, 2, 3),
("审核驳回资讯17", "审核驳回资讯的内容17", 3, 2, 3),
("审核驳回资讯18", "审核驳回资讯的内容18", 3, 2, 3),
("审核驳回资讯19", "审核驳回资讯的内容19", 3, 2, 3),
("审核驳回资讯20", "审核驳回资讯的内容20", 3, 2, 3),
("审核驳回资讯21", "审核驳回资讯的内容21", 3, 2, 3),
("审核驳回资讯22", "审核驳回资讯的内容22", 3, 2, 3),
("审核驳回资讯23", "审核驳回资讯的内容23", 3, 2, 3),
("审核驳回资讯24", "审核驳回资讯的内容24", 3, 2, 3),
("审核驳回资讯25", "审核驳回资讯的内容25", 3, 2, 3),
("审核驳回资讯26", "审核驳回资讯的内容26", 3, 2, 3),
("审核驳回资讯27", "审核驳回资讯的内容27", 3, 2, 3),
("审核驳回资讯28", "审核驳回资讯的内容28", 3, 2, 3),
("审核驳回资讯29", "审核驳回资讯的内容29", 3, 2, 3),
("审核驳回资讯30", "审核驳回资讯的内容30", 3, 2, 3),
("审核驳回资讯31", "审核驳回资讯的内容31", 3, 2, 3),
("审核驳回资讯32", "审核驳回资讯的内容32", 3, 2, 3),
("审核驳回资讯33", "审核驳回资讯的内容33", 3, 2, 3),
("审核驳回资讯34", "审核驳回资讯的内容34", 3, 2, 3),
("审核驳回资讯35", "审核驳回资讯的内容35", 3, 2, 3),
("审核驳回资讯36", "审核驳回资讯的内容36", 3, 2, 3),
("审核驳回资讯37", "审核驳回资讯的内容37", 3, 2, 3),
("审核驳回资讯38", "审核驳回资讯的内容38", 3, 2, 3),
("审核驳回资讯39", "审核驳回资讯的内容39", 3, 2, 3),
("审核驳回资讯40", "审核驳回资讯的内容40", 3, 2, 3),
("审核驳回资讯41", "审核驳回资讯的内容41", 3, 2, 3),

("审核驳回资讯42", "审核驳回资讯的内容42", 3, 2, 3),
("审核驳回资讯43", "审核驳回资讯的内容43", 3, 2, 3),
("审核驳回资讯44", "审核驳回资讯的内容44", 3, 2, 3),
("审核驳回资讯45", "审核驳回资讯的内容45", 3, 2, 3),
("审核驳回资讯46", "审核驳回资讯的内容46", 3, 2, 3),
("审核驳回资讯47", "审核驳回资讯的内容47", 3, 2, 3),
("审核驳回资讯48", "审核驳回资讯的内容48", 3, 2, 3),
("审核驳回资讯49", "审核驳回资讯的内容49", 3, 2, 3),

("发布的资讯0", "发布的资讯的内容0", 4, 2, 3),
("发布的资讯1", "发布的资讯的内容1", 4, 2, 3),
("发布的资讯2", "发布的资讯的内容2", 4, 2, 3),
("发布的资讯3", "发布的资讯的内容3", 4, 2, 3),
("发布的资讯4", "发布的资讯的内容4", 4, 2, 3),
("发布的资讯5", "发布的资讯的内容5", 4, 2, 3),
("发布的资讯6", "发布的资讯的内容6", 4, 2, 3),
("发布的资讯7", "发布的资讯的内容7", 4, 2, 3),
("发布的资讯8", "发布的资讯的内容8", 4, 2, 3),
("发布的资讯9", "发布的资讯的内容9", 4, 2, 3),
("发布的资讯10", "发布的资讯的内容10", 4, 2, 3),
("发布的资讯11", "发布的资讯的内容11", 4, 2, 3),
("发布的资讯12", "发布的资讯的内容12", 4, 2, 3),
("发布的资讯13", "发布的资讯的内容13", 4, 2, 3),
("发布的资讯14", "发布的资讯的内容14", 4, 2, 3),
("发布的资讯15", "发布的资讯的内容15", 4, 2, 3),
("发布的资讯16", "发布的资讯的内容16", 4, 2, 3),
("发布的资讯17", "发布的资讯的内容17", 4, 2, 3),
("发布的资讯18", "发布的资讯的内容18", 4, 2, 3),
("发布的资讯19", "发布的资讯的内容19", 4, 2, 3),
("发布的资讯20", "发布的资讯的内容20", 4, 2, 3),
("发布的资讯21", "发布的资讯的内容21", 4, 2, 3),
("发布的资讯22", "发布的资讯的内容22", 4, 2, 3),
("发布的资讯23", "发布的资讯的内容23", 4, 2, 3),
("发布的资讯24", "发布的资讯的内容24", 4, 2, 3),
("发布的资讯25", "发布的资讯的内容25", 4, 2, 3),
("发布的资讯26", "发布的资讯的内容26", 4, 2, 3),
("发布的资讯27", "发布的资讯的内容27", 4, 2, 3),
("发布的资讯28", "发布的资讯的内容28", 4, 2, 3),
("发布的资讯29", "发布的资讯的内容29", 4, 2, 3),
("发布的资讯30", "发布的资讯的内容30", 4, 2, 3),
("发布的资讯31", "发布的资讯的内容31", 4, 2, 3),
("发布的资讯32", "发布的资讯的内容32", 4, 2, 3),
("发布的资讯33", "发布的资讯的内容33", 4, 2, 3),
("发布的资讯34", "发布的资讯的内容34", 4, 2, 3),
("发布的资讯35", "发布的资讯的内容35", 4, 2, 3),
("发布的资讯36", "发布的资讯的内容36", 4, 2, 3),
("发布的资讯37", "发布的资讯的内容37", 4, 2, 3),
("发布的资讯38", "发布的资讯的内容38", 4, 2, 3),
("发布的资讯39", "发布的资讯的内容39", 4, 2, 3),
("发布的资讯40", "发布的资讯的内容40", 4, 2, 3),
("发布的资讯41", "发布的资讯的内容41", 4, 2, 3),
("发布的资讯42", "发布的资讯的内容42", 4, 2, 3),
("发布的资讯43", "发布的资讯的内容43", 4, 2, 3),
("发布的资讯44", "发布的资讯的内容44", 4, 2, 3),
("发布的资讯45", "发布的资讯的内容45", 4, 2, 3),
("发布的资讯46", "发布的资讯的内容46", 4, 2, 3),
("发布的资讯47", "发布的资讯的内容47", 4, 2, 3),
("发布的资讯48", "发布的资讯的内容48", 4, 2, 3),
("发布的资讯49", "发布的资讯的内容49", 4, 2, 3),
("发布的资讯50", "发布的资讯的内容50", 4, 2, 3),
("发布的资讯51", "发布的资讯的内容51", 4, 2, 3),
("发布的资讯52", "发布的资讯的内容52", 4, 2, 3),
("发布的资讯53", "发布的资讯的内容53", 4, 2, 3),

```
("发布的资讯54", "发布的资讯的内容54", 4, 2, 3),
("发布的资讯55", "发布的资讯的内容55", 4, 2, 3),
("发布的资讯56", "发布的资讯的内容56", 4, 2, 3),
("发布的资讯57", "发布的资讯的内容57", 4, 2, 3),
("发布的资讯58", "发布的资讯的内容58", 4, 2, 3),
("发布的资讯59", "发布的资讯的内容59", 4, 2, 3),
("发布的资讯60", "发布的资讯的内容60", 4, 2, 3),
("发布的资讯61", "发布的资讯的内容61", 4, 2, 3),
("发布的资讯62", "发布的资讯的内容62", 4, 2, 3),
("发布的资讯63", "发布的资讯的内容63", 4, 2, 3),
("发布的资讯64", "发布的资讯的内容64", 4, 2, 3),
("发布的资讯65", "发布的资讯的内容65", 4, 2, 3),
("发布的资讯66", "发布的资讯的内容66", 4, 2, 3),
("发布的资讯67", "发布的资讯的内容67", 4, 2, 3),
("发布的资讯68", "发布的资讯的内容68", 4, 2, 3),
("发布的资讯69", "发布的资讯的内容69", 4, 2, 3),
("发布的资讯70", "发布的资讯的内容70", 4, 2, 3),
("发布的资讯71", "发布的资讯的内容71", 4, 2, 3),
("发布的资讯72", "发布的资讯的内容72", 4, 2, 3),
("发布的资讯73", "发布的资讯的内容73", 4, 2, 3),
("发布的资讯74", "发布的资讯的内容74", 4, 2, 3),
("发布的资讯75", "发布的资讯的内容75", 4, 2, 3),
("发布的资讯76", "发布的资讯的内容76", 4, 2, 3),
("发布的资讯77", "发布的资讯的内容77", 4, 2, 3),
("发布的资讯78", "发布的资讯的内容78", 4, 2, 3),
("发布的资讯79", "发布的资讯的内容79", 4, 2, 3),
("发布的资讯80", "发布的资讯的内容80", 4, 2, 3),
("发布的资讯81", "发布的资讯的内容81", 4, 2, 3),
("发布的资讯82", "发布的资讯的内容82", 4, 2, 3),
("发布的资讯83", "发布的资讯的内容83", 4, 2, 3),
("发布的资讯84", "发布的资讯的内容84", 4, 2, 3),
("发布的资讯85", "发布的资讯的内容85", 4, 2, 3),
("发布的资讯86", "发布的资讯的内容86", 4, 2, 3),
("发布的资讯87", "发布的资讯的内容87", 4, 2, 3),
("发布的资讯88", "发布的资讯的内容88", 4, 2, 3),
("发布的资讯89", "发布的资讯的内容89", 4, 2, 3),
("发布的资讯90", "发布的资讯的内容90", 4, 2, 3),
("发布的资讯91", "发布的资讯的内容91", 4, 2, 3),
("发布的资讯92", "发布的资讯的内容92", 4, 2, 3),
("发布的资讯93", "发布的资讯的内容93", 4, 2, 3),
("发布的资讯94", "发布的资讯的内容94", 4, 2, 3),
("发布的资讯95", "发布的资讯的内容95", 4, 2, 3),
("发布的资讯96", "发布的资讯的内容96", 4, 2, 3),
("发布的资讯97", "发布的资讯的内容97", 4, 2, 3),
("发布的资讯98", "发布的资讯的内容98", 4, 2, 3),
("发布的资讯99", "发布的资讯的内容99", 4, 2, 3),
("撤销的资讯", "撤销的资讯的内容", 5, 2, 3);

/*==============================================================*/
/* Index: Index_news_id                                         */
/*==============================================================*/
create unique index Index_news_id on ct_news
(
   id
);

/*==============================================================*/
/* Index: Index_news_title                                      */
/*==============================================================*/
create unique index Index_news_title on ct_news
(
   title
);
```

```
alter table ct_news add constraint FK_NEWS_REF_USER_1 foreign key (author_id)
    references ct_users (id) on delete restrict on update restrict;

alter table ct_news add constraint FK_NEWS_REF_USER_2 foreign key (auditor_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.2.1.9.7 List of diagrams containing the table 新闻资讯表

Name	*Code*
国煤交易系统	pdp

5.2.1.9.8 List of outgoing references of the table 新闻资讯表

Name	*Code*	*Foreign Key Columns*
NEWS_REF_USER_1	NEWS_REF_USER_1	编写人员
NEWS_REF_USER_2	NEWS_REF_USER_2	审核人员

5.2.1.9.9 List of all dependencies of the table 新闻资讯表

Name	*Code*	*Class Name*
NEWS_REF_USER_1	NEWS_REF_USER_1	Reference
NEWS_REF_USER_2	NEWS_REF_USER_2	Reference

5.2.1.9.10 List of extended attributes of the table 新闻资讯表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.9.11 List of columns of the table 新闻资讯表

Name	*Code*
新闻ID	id
新闻标题	title
内容	content
创建时间	date
状态	status
编写人员	author_id
审核人员	auditor_id
审核意见	audit_opinion

5.2.1.9.12 Column 新闻ID of the table 新闻资讯表

5.2.1.9.12.1 Card of the column 新闻ID of the table 新闻资讯表

Name	新闻ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.9.12.2 Check constraint name of the column 新闻ID of the table 新闻资讯表

CK_id

5.2.1.9.12.3 Check of the column 新闻ID of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	

Format	
Cannot Modify	No
List Of Values	

5.2.1.9.12.4 Server validation rule of the column 新闻ID of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.12.5 List of all dependencies of the table column 新闻ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
新闻ID	id	Index Column

5.2.1.9.12.6 List of extended attributes of the table column 新闻ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.13 Column 新闻标题 of the table 新闻资讯表

5.2.1.9.13.1 Card of the column 新闻标题 of the table 新闻资讯表

Name	新闻标题
Code	title
Data Type	varchar(20)
Mandatory	Yes

5.2.1.9.13.2 Check constraint name of the column 新闻标题 of the table 新闻资讯表

CK_title

5.2.1.9.13.3 Check of the column 新闻标题 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.9.13.4 Server validation rule of the column 新闻标题 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.13.5 List of all dependencies of the table column 新闻标题

Name	*Code*	*Class Name*
新闻标题	title	Index Column

5.2.1.9.13.6 List of extended attributes of the table column 新闻标题

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.14 Column 内容 of the table 新闻资讯表

5.2.1.9.14.1 Card of the column 内容 of the table 新闻资讯表

Name	内容
Code	content
Data Type	text
Mandatory	Yes

5.2.1.9.14.2 Check constraint name of the column 内容 of the table 新闻资讯表

CK_content

5.2.1.9.14.3 Check of the column 内容 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.9.14.4 Server validation rule of the column 内容 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.14.5 List of extended attributes of the table column 内容

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.15 Column 创建时间 of the table 新闻资讯表

5.2.1.9.15.1 Card of the column 创建时间 of the table 新闻资讯表

Name	创建时间
Code	date
Data Type	datetime
Mandatory	No

5.2.1.9.15.2 Check constraint name of the column 创建时间 of the table 新闻资讯表

CK_date

5.2.1.9.15.3 Check of the column 创建时间 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	

Cannot Modify	No
List Of Values	

5.2.1.9.15.4 Server validation rule of the column 创建时间 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.15.5 List of extended attributes of the table column 创建时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.16 Column 状态 of the table 新闻资讯表

5.2.1.9.16.1 Card of the column 状态 of the table 新闻资讯表

Name	状态
Code	status
Data Type	enum('1','2','3','4','5')
Mandatory	Yes

5.2.1.9.16.2 Check constraint name of the column 状态 of the table 新闻资讯表

CK_status

5.2.1.9.16.3 Check of the column 状态 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.9.16.4 Server validation rule of the column 状态 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.16.5 List of extended attributes of the table column 状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.17 Column 编写人员 of the table 新闻资讯表

5.2.1.9.17.1 Card of the column 编写人员 of the table 新闻资讯表

Name	编写人员
Code	author_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.9.17.2 Check constraint name of the column 编写人员 of the table 新闻资讯表

CK_author_id

5.2.1.9.17.3 Check of the column 编写人员 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.9.17.4 Server validation rule of the column 编写人员 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.17.5 List of all dependencies of the table column 编写人员

Name	*Code*	*Class Name*
?	?	Reference Join

5.2.1.9.17.6 List of extended attributes of the table column 编写人员

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.18 Column 审核人员 of the table 新闻资讯表

5.2.1.9.18.1 Card of the column 审核人员 of the table 新闻资讯表

Name	审核人员
Code	auditor_id
Data Type	bigint(20)
Mandatory	No

5.2.1.9.18.2 Check constraint name of the column 审核人员 of the table 新闻资讯表

CK_auditor_id

5.2.1.9.18.3 Check of the column 审核人员 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.9.18.4 Server validation rule of the column 审核人员 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.18.5 List of all dependencies of the table column 审核人员

Name	*Code*	*Class Name*

Name	*Code*	*Class Name*
?	?	Reference Join

5.2.1.9.18.6 List of extended attributes of the table column 审核人员

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.19 Column 审核意见 of the table 新闻资讯表

5.2.1.9.19.1 Card of the column 审核意见 of the table 新闻资讯表

Name	审核意见
Code	audit_opinion
Data Type	varchar(255)
Mandatory	No

5.2.1.9.19.2 Check constraint name of the column 审核意见 of the table 新闻资讯表

CK_audit_opinion

5.2.1.9.19.3 Check of the column 审核意见 of the table 新闻资讯表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.9.19.4 Server validation rule of the column 审核意见 of the table 新闻资讯表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.9.19.5 List of extended attributes of the table column 审核意见

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.9.20 List of keys of the table 新闻资讯表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.9.21 Key Key_1 of the table 新闻资讯表

5.2.1.9.21.1 Card of the key Key_1 of the table 新闻资讯表

Name	Key_1
Code	Key_1

Table	新闻资讯表

5.2.1.9.21.2 Code preview of the key Key_1 of the table 新闻资讯表

```
use coal_trading;

alter table ct_news
   drop primary key;
```

5.2.1.9.21.3 List of columns of the table key Key_1

Name	*Code*
新闻ID	id

5.2.1.9.21.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.9.22 List of indexes of the table 新闻资讯表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_news_id	Index_news_id	X				
Index_news_title	Index_news_title	X				

5.2.1.9.23 Index Index_news_id of the table 新闻资讯表

5.2.1.9.23.1 Card of the index Index_news_id of the table 新闻资讯表

Name	Index_news_id
Code	Index_news_id
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	新闻资讯表

5.2.1.9.23.2 Code preview of the index Index_news_id of the table 新闻资讯表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_news_id                                         */
/*==============================================================*/
create unique index Index_news_id on ct_news
(
   id
);
```

5.2.1.9.23.3 List of index columns of the table index Index_news_id

Name	*Code*	*Sort*
新闻ID	id	Ascending

5.2.1.9.23.4 List of extended attributes of the table index Index_news_id

Name	*Data Type*	*Value*	*Target Name*

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.9.24 Index Index_news_title of the table 新闻资讯表

5.2.1.9.24.1 Card of the index Index_news_title of the table 新闻资讯表

Name	Index_news_title
Code	Index_news_title
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	新闻资讯表

5.2.1.9.24.2 Code preview of the index Index_news_title of the table 新闻资讯表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_news_title                                      */
/*==============================================================*/
create unique index Index_news_title on ct_news
(
   title
);
```

5.2.1.9.24.3 List of index columns of the table index Index_news_title

Name	*Code*	*Sort*
新闻标题	title	Ascending

5.2.1.9.24.4 List of extended attributes of the table index Index_news_title

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.10 Table 权限表

5.2.1.10.1 Card of table 权限表

Name	权限表
Code	ct_permissions
DBMS	MySQL 5.7

5.2.1.10.2 Check constraint name of the table 权限表

TK_ct_permissions

5.2.1.10.3 Server validation rule of the table 权限表

%RULES%

5.2.1.10.4 Options of the table 权限表

engine = InnoDB

5.2.1.10.5 End script of the table 权限表

```
/*
```

```
权限：
1. 超级管理员
2. 资讯编辑权限
3. 资讯审核权限
4. 资讯维护权限
5. 注册用户审核权限
6. 交易审核权限
7. 用户创建权限
8. 挂牌权限
9. 挂牌权限
10.财务权限
11.信息编辑权限
*/
INSERT INTO ct_permissions VALUES(1, "SUPER_ADMIN"),
(2, "NEWS_EDITOR"),
(3, "NEWS_AUDITOR"),
(4, "NEWS_MANAGER"),
(5, "USER_REG_AUDITOR"),
(6, "TRADE_AUDITOR"),
(7, "USER_ADD"),
(8, "PUB_SALE"),
(9, "PUB_BUY"),
(10, "FINANCE_MAG");
```

5.2.1.10.6 Code preview of the table 权限表

```
use coal_trading;

drop table if exists ct_permissions;

/*==============================================================*/
/* Table: ct_permissions                                        */
/*==============================================================*/
create table ct_permissions
(
   id                   bigint(20) not null comment '权限ID',
   name                 varchar(15) comment '权限名',
   primary key (id)
)
engine = InnoDB;

alter table ct_permissions comment '权限表：
1. 超级管理员
2. 资讯编辑权限
3. 资讯审核权限
4.';

/*
权限：
1. 超级管理员
2. 资讯编辑权限
3. 资讯审核权限
4. 资讯维护权限
5. 注册用户审核权限
6. 交易审核权限
7. 用户创建权限
8. 挂牌权限
9. 挂牌权限
10.财务权限
11.信息编辑权限
*/
INSERT INTO ct_permissions VALUES(1, "SUPER_ADMIN"),
(2, "NEWS_EDITOR"),
(3, "NEWS_AUDITOR"),
```

```
(4, "NEWS_MANAGER"),
(5, "USER_REG_AUDITOR"),
(6, "TRADE_AUDITOR"),
(7, "USER_ADD"),
(8, "PUB_SALE"),
(9, "PUB_BUY"),
(10, "FINANCE_MAG");

/*==============================================================*/
/* Index: Index_pri                                             */
/*==============================================================*/
create unique index Index_pri on ct_permissions
(
  id
);
```

5.2.1.10.7 List of diagrams containing the table 权限表

Name	*Code*
国煤交易系统	pdp

5.2.1.10.8 List of incoming references of the table 权限表

Name	*Code*
RP_REF_PERMISSION	RP_REF_PERMISSION

5.2.1.10.9 List of all dependencies of the table 权限表

Name	*Code*	*Class Name*
RP_REF_PERMISSION	RP_REF_PERMISSION	Reference

5.2.1.10.10 List of extended attributes of the table 权限表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.10.11 List of columns of the table 权限表

Name	*Code*
权限ID	id
权限名	name

5.2.1.10.12 Column 权限ID of the table 权限表

5.2.1.10.12.1 Card of the column 权限ID of the table 权限表

Name	权限ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.10.12.2 Check constraint name of the column 权限ID of the table 权限表

CK_id

5.2.1.10.12.3 Check of the column 权限ID of the table 权限表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	

Cannot Modify	No
List Of Values	

5.2.1.10.12.4 Server validation rule of the column 权限ID of the table 权限表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.10.12.5 List of all dependencies of the table column 权限ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
权限ID	id	Index Column
?	?	Reference Join

5.2.1.10.12.6 List of extended attributes of the table column 权限ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.10.13 Column 权限名 of the table 权限表

5.2.1.10.13.1 Card of the column 权限名 of the table 权限表

Name	权限名
Code	name
Data Type	varchar(15)
Mandatory	No

5.2.1.10.13.2 Check constraint name of the column 权限名 of the table 权限表

CK_name

5.2.1.10.13.3 Check of the column 权限名 of the table 权限表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.10.13.4 Server validation rule of the column 权限名 of the table 权限表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.10.13.5 List of extended attributes of the table column 权限名

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.10.15 Key Key_1 of the table 权限表

5.2.1.10.15.1 Card of the key Key_1 of the table 权限表

Name	Key_1
Code	Key_1
Table	权限表

5.2.1.10.15.2 Code preview of the key Key_1 of the table 权限表

```
use coal_trading;

alter table ct_permissions
   drop primary key;
```

5.2.1.10.15.3 List of columns of the table key Key_1

Name	*Code*
权限ID	id

5.2.1.10.15.4 List of all dependencies of the table key Key_1

Name	*Code*	*Class Name*
RP_REF_PERMISSION	RP_REF_PERMISSION	Reference

5.2.1.10.15.5 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.10.16 List of indexes of the table 权限表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_pri	Index_pri	X				

5.2.1.10.17 Index Index_pri of the table 权限表

5.2.1.10.17.1 Card of the index Index_pri of the table 权限表

Name	Index_pri
Code	Index_pri
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	权限表

5.2.1.10.17.2 Code preview of the index Index_pri of the table 权限表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_pri                                             */
/*==============================================================*/
```

```
create unique index Index_pri on ct_permissions
(
   id
);
```

5.2.1.10.17.3 List of index columns of the table index Index_pri

Name	*Code*	*Sort*
权限ID	id	Ascending

5.2.1.10.17.4 List of extended attributes of the table index Index_pri

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.11 Table 用户表

5.2.1.11.1 Card of table 用户表

Name	用户表
Code	ct_users
DBMS	MySQL 5.7

5.2.1.11.2 Check constraint name of the table 用户表

TK_ct_users

5.2.1.11.3 Server validation rule of the table 用户表

%RULES%

5.2.1.11.4 Options of the table 用户表

engine = InnoDB

5.2.1.11.5 End script of the table 用户表

```
INSERT INTO `ct_users` (`id`, `login`, `pass`, `nick`, `email`)
VALUES
(1, 'superadmin', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '超级管理员', "1@mail.com"),
(2, 'newseditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '资讯编辑员1', '2@mail.com'),
(3, 'newsauditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '资讯审核员1', '3@mail.com'),
(4, 'newsmanager1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '资讯维护员1',
"4@mail.com"),
(5, 'userregauditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '注册用户审核员1',
"5@mail.com"),
(6, 'tradeauditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '交易审核员1',
"6@mail.com"),
(7, 'saleuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '供应商用户1', "7@mail.com"),
(8, 'salemoneyuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '供应商财务用户1',
"8@mail.com"),
(9, 'buyuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '采购商用户', "9@mail.com"),
(10, 'buymoneyuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '采购商财务用户1',
"10@mail.com");
```

5.2.1.11.6 Code preview of the table 用户表

```
use coal_trading;

drop table if exists ct_users;

/*==============================================================*/
/* Table: ct_users                                              */
/*==============================================================*/
create table ct_users
(
   id                   bigint(20) not null auto_increment comment '用户ID（唯一）',
```

```
  login               varchar(20) not null comment '登录名（唯一）',
  pass                varchar(100) comment '用户密码：
        要经过加密',
  nick                varchar(20) comment '用户昵称',
  email               varchar(50) not null comment '用户邮箱（唯一）',
  registered          datetime default CURRENT_TIMESTAMP comment '创建时间',
  status              enum('1','2') not null default '2' comment '用户状态
        1. 用户未激活
        2. 已激活',
  primary key (id)
)
engine = InnoDB;

alter table ct_users comment '用户表
存储的用户类型：
1. 管理员
2. 交易用户
3. 财务用户
';

INSERT INTO `ct_users` (`id`, `login`, `pass`, `nick`, `email`)
VALUES
(1, 'superadmin', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '超级管理员', "1@mail.com"),
(2, 'newseditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '资讯编辑员1', '2@mail.com'),
(3, 'newsauditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '资讯审核员1', '3@mail.com'),
(4, 'newsmanager1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '资讯维护员1',
"4@mail.com"),
(5, 'userregauditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '注册用户审核员1',
"5@mail.com"),
(6, 'tradeauditor1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '交易审核员1',
"6@mail.com"),
(7, 'saleuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '供应商用户1', "7@mail.com"),
(8, 'salemoneyuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '供应商财务用户1',
"8@mail.com"),
(9, 'buyuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '采购商用户', "9@mail.com"),
(10, 'buymoneyuser1', '$2a$10$.y9u24yrwyy6aw96ny/HVOgPxa.z/WuWzmBKVP0ELbE7w5U.9/EA2', '采购商财务用户1',
"10@mail.com");

/*==============================================================*/
/* Index: Index_user_login                                      */
/*==============================================================*/
create unique index Index_user_login on ct_users
(
  login
);

/*==============================================================*/
/* Index: Index_user_email                                      */
/*==============================================================*/
create unique index Index_user_email on ct_users
(
  email
);
```

5.2.1.11.7 List of diagrams containing the table 用户表

Name	*Code*
国煤交易系统	pdp

5.2.1.11.8 List of incoming references of the table 用户表

Name	*Code*
CU_REF_USER	CU_REF_USER

Name	*Code*
FL_REF_USER	FL_REF_USER
FU_REF_USER_1	FU_REF_USER_1
FU_REF_USER_2	FU_REF_USER_2
NEWS_REF_USER_1	NEWS_REF_USER_1
NEWS_REF_USER_2	NEWS_REF_USER_2
ORDER_REF_USER	ORDER_REF_USER
REQ_REF_USER	REQ_REF_USER
REQ_REF_USER_2	REQ_REF_USER_2
UF_REF_USER	UF_REF_USER
UM_REF_USER	UM_REF_USER
UM_REF_USER_1	UM_REF_USER_1
UM_REF_USER_2	UM_REF_USER_2
UR_REF_USER	UR_REF_USER

5.2.1.11.9 List of all dependencies of the table 用户表

Name	*Code*	*Class Name*
CU_REF_USER	CU_REF_USER	Reference
FL_REF_USER	FL_REF_USER	Reference
FU_REF_USER_1	FU_REF_USER_1	Reference
FU_REF_USER_2	FU_REF_USER_2	Reference
NEWS_REF_USER_1	NEWS_REF_USER_1	Reference
NEWS_REF_USER_2	NEWS_REF_USER_2	Reference
ORDER_REF_USER	ORDER_REF_USER	Reference
REQ_REF_USER	REQ_REF_USER	Reference
REQ_REF_USER_2	REQ_REF_USER_2	Reference
UF_REF_USER	UF_REF_USER	Reference
UM_REF_USER	UM_REF_USER	Reference
UM_REF_USER_1	UM_REF_USER_1	Reference
UM_REF_USER_2	UM_REF_USER_2	Reference
UR_REF_USER	UR_REF_USER	Reference

5.2.1.11.10 List of extended attributes of the table 用户表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.11.11 List of columns of the table 用户表

Name	*Code*
用户ID	id
登录名	login
用户密码	pass
用户昵称	nick
用户邮箱	email
创建时间	registered
用户状态	status

5.2.1.11.12 Column 用户ID of the table 用户表

Name	用户ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.11.12.2 Check constraint name of the column 用户ID of the table 用户表

CK_id

5.2.1.11.12.3 Check of the column 用户ID of the table 用户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.12.4 Server validation rule of the column 用户ID of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.12.5 List of all dependencies of the table column 用户ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join
?	?	Reference Join

5.2.1.11.12.6 List of extended attributes of the table column 用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.13 Column 登录名 of the table 用户表

5.2.1.11.13.1 Card of the column 登录名 of the table 用户表

Name	登录名

Code	login
Data Type	varchar(20)
Mandatory	Yes

5.2.1.11.13.2 Check constraint name of the column 登录名 of the table 用户表

CK_login

5.2.1.11.13.3 Check of the column 登录名 of the table 用户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.13.4 Server validation rule of the column 登录名 of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.13.5 List of all dependencies of the table column 登录名

Name	*Code*	*Class Name*
登录名	login	Index Column

5.2.1.11.13.6 List of extended attributes of the table column 登录名

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.14 Column 用户密码 of the table 用户表

5.2.1.11.14.1 Card of the column 用户密码 of the table 用户表

Name	用户密码
Code	pass
Data Type	varchar(100)
Mandatory	No

5.2.1.11.14.2 Check constraint name of the column 用户密码 of the table 用户表

CK_pass

5.2.1.11.14.3 Check of the column 用户密码 of the table 用户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.14.4 Server validation rule of the column 用户密码 of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.14.5 List of extended attributes of the table column 用户密码

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.15 Column 用户昵称 of the table 用户表

5.2.1.11.15.1 Card of the column 用户昵称 of the table 用户表

Name	用户昵称
Code	nick
Data Type	varchar(20)
Mandatory	No

5.2.1.11.15.2 Check constraint name of the column 用户昵称 of the table 用户表

CK_nick

5.2.1.11.15.3 Check of the column 用户昵称 of the table 用户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.15.4 Server validation rule of the column 用户昵称 of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.15.5 List of extended attributes of the table column 用户昵称

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.16 Column 用户邮箱 of the table 用户表

5.2.1.11.16.1 Card of the column 用户邮箱 of the table 用户表

Name	用户邮箱
Code	email
Data Type	varchar(50)
Mandatory	Yes

5.2.1.11.16.2 Check constraint name of the column 用户邮箱 of the table 用户表

CK_email

5.2.1.11.16.3 Check of the column 用户邮箱 of the table 用户表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.16.4 Server validation rule of the column 用户邮箱 of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.16.5 List of all dependencies of the table column 用户邮箱

Name	*Code*	*Class Name*
用户邮箱	email	Index Column

5.2.1.11.16.6 List of extended attributes of the table column 用户邮箱

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.17 Column 创建时间 of the table 用户表

5.2.1.11.17.1 Card of the column 创建时间 of the table 用户表

Name	创建时间
Code	registered
Data Type	datetime
Mandatory	No

5.2.1.11.17.2 Check constraint name of the column 创建时间 of the table 用户表

CK_registered

5.2.1.11.17.3 Check of the column 创建时间 of the table 用户表

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.17.4 Server validation rule of the column 创建时间 of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.17.5 List of extended attributes of the table column 创建时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.18 Column 用户状态 of the table 用户表

5.2.1.11.18.1 Card of the column 用户状态 of the table 用户表

Name	用户状态
Code	status
Data Type	enum('1','2')
Mandatory	Yes

5.2.1.11.18.2 Check constraint name of the column 用户状态 of the table 用户表

CK_status

5.2.1.11.18.3 Check of the column 用户状态 of the table 用户表

Minimum Value	
Maximum Value	
Default Value	2
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.11.18.4 Server validation rule of the column 用户状态 of the table 用户表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.11.18.5 List of extended attributes of the table column 用户状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.11.19 List of keys of the table 用户表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.11.20 Key Key_1 of the table 用户表

5.2.1.11.20.1 Card of the key Key_1 of the table 用户表

Name	Key_1
Code	Key_1
Table	用户表

5.2.1.11.20.2 Code preview of the key Key_1 of the table 用户表

```
use coal_trading;

alter table ct_users
   drop primary key;
```

5.2.1.11.20.3 List of columns of the table key Key_1

Name	*Code*
用户ID	id

5.2.1.11.20.4 List of all dependencies of the table key Key_1

Name	*Code*	*Class Name*
CU_REF_USER	CU_REF_USER	Reference
FL_REF_USER	FL_REF_USER	Reference
FU_REF_USER_1	FU_REF_USER_1	Reference
FU_REF_USER_2	FU_REF_USER_2	Reference
NEWS_REF_USER_1	NEWS_REF_USER_1	Reference
NEWS_REF_USER_2	NEWS_REF_USER_2	Reference
ORDER_REF_USER	ORDER_REF_USER	Reference
REQ_REF_USER	REQ_REF_USER	Reference
REQ_REF_USER_2	REQ_REF_USER_2	Reference
UF_REF_USER	UF_REF_USER	Reference
UM_REF_USER	UM_REF_USER	Reference
UM_REF_USER_1	UM_REF_USER_1	Reference
UM_REF_USER_2	UM_REF_USER_2	Reference
UR_REF_USER	UR_REF_USER	Reference

5.2.1.11.20.5 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.11.21 List of indexes of the table 用户表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_user_login	Index_user_login	X				
Index_user_email	Index_user_email	X				

5.2.1.11.22 Index Index_user_login of the table 用户表

5.2.1.11.22.1 Card of the index Index_user_login of the table 用户表

Name	Index_user_login
Code	Index_user_login
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	用户表

5.2.1.11.22.2 Code preview of the index Index_user_login of the table 用户表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_login                                      */
/*==============================================================*/
```

```
create unique index Index_user_login on ct_users
(
   login
);
```

5.2.1.11.22.3 List of index columns of the table index Index_user_login

Name	*Code*	*Sort*
登录名	login	Ascending

5.2.1.11.22.4 List of extended attributes of the table index Index_user_login

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.11.23 Index Index_user_email of the table 用户表

5.2.1.11.23.1 Card of the index Index_user_email of the table 用户表

Name	Index_user_email
Code	Index_user_email
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	用户表

5.2.1.11.23.2 Code preview of the index Index_user_email of the table 用户表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_email                                      */
/*==============================================================*/
create unique index Index_user_email on ct_users
(
   email
);
```

5.2.1.11.23.3 List of index columns of the table index Index_user_email

Name	*Code*	*Sort*
用户邮箱	email	Ascending

5.2.1.11.23.4 List of extended attributes of the table index Index_user_email

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.12 Table 用户角色关联表

5.2.1.12.1 Card of table 用户角色关联表

Name	用户角色关联表
Code	ct_user_role_relationships
DBMS	MySQL 5.7

5.2.1.12.2 Check constraint name of the table 用户角色关联表

TK_ct_user_role_relationships

5.2.1.12.3 Server validation rule of the table 用户角色关联表
%RULES%

5.2.1.12.4 Options of the table 用户角色关联表
engine = InnoDB

5.2.1.12.5 End script of the table 用户角色关联表
```
INSERT INTO ct_user_role_relationships(`user_id`, `role_id`)
VALUES(1, 1),(2,2),(3,3),(4,4),(5,5),(6,6),(7, 7),(8,9),(9,8),(10,9);
```

5.2.1.12.6 Code preview of the table 用户角色关联表
```
use coal_trading;

drop table if exists ct_user_role_relationships;

/*==============================================================*/
/* Table: ct_user_role_relationships                            */
/*==============================================================*/
create table ct_user_role_relationships
(
   user_id              bigint(20) not null comment '用户ID',
   role_id              bigint(20) not null comment '角色ID',
   primary key (role_id, user_id)
)
engine = InnoDB;

alter table ct_user_role_relationships comment '用户角色关联表';

INSERT INTO ct_user_role_relationships(`user_id`, `role_id`)
VALUES(1, 1),(2,2),(3,3),(4,4),(5,5),(6,6),(7, 7),(8,9),(9,8),(10,9);

/*==============================================================*/
/* Index: Index_user_role                                       */
/*==============================================================*/
create index Index_user_role on ct_user_role_relationships
(
   role_id
);

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create unique index Index_user_id on ct_user_role_relationships
(
   user_id
);

alter table ct_user_role_relationships add constraint FK_UR_REF_ROLE foreign key (role_id)
      references ct_userrole (id) on delete restrict on update restrict;

alter table ct_user_role_relationships add constraint FK_UR_REF_USER foreign key (user_id)
      references ct_users (id) on delete restrict on update restrict;
```

5.2.1.12.7 List of diagrams containing the table 用户角色关联表

Name	*Code*
国煤交易系统	pdp

5.2.1.12.8 List of outgoing references of the table 用户角色关联表

Name	*Code*	*Foreign Key Columns*

Name	*Code*	*Foreign Key Columns*
UR_REF_ROLE	UR_REF_ROLE	角色ID
UR_REF_USER	UR_REF_USER	用户ID

5.2.1.12.9 List of all dependencies of the table 用户角色关联表

Name	*Code*	*Class Name*
UR_REF_ROLE	UR_REF_ROLE	Reference
UR_REF_USER	UR_REF_USER	Reference

5.2.1.12.10 List of extended attributes of the table 用户角色关联表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.12.11 List of columns of the table 用户角色关联表

Name	*Code*
用户ID	user_id
角色ID	role_id

5.2.1.12.12 Column 用户ID of the table 用户角色关联表

5.2.1.12.12.1 Card of the column 用户ID of the table 用户角色关联表

Name	用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.12.12.2 Check constraint name of the column 用户ID of the table 用户角色关联表

CK_user_id

5.2.1.12.12.3 Check of the column 用户ID of the table 用户角色关联表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.12.12.4 Server validation rule of the column 用户ID of the table 用户角色关联表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.12.12.5 List of all dependencies of the table column 用户ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
用户ID	user_id	Index Column
?	?	Reference Join

5.2.1.12.12.6 List of extended attributes of the table column 用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.12.13 Column 角色ID of the table 用户角色关联表

5.2.1.12.13.1 Card of the column 角色ID of the table 用户角色关联表

Name	角色ID
Code	role_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.12.13.2 Check constraint name of the column 角色ID of the table 用户角色关联表

CK_role_id

5.2.1.12.13.3 Check of the column 角色ID of the table 用户角色关联表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.12.13.4 Server validation rule of the column 角色ID of the table 用户角色关联表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.12.13.5 List of all dependencies of the table column 角色ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
角色ID	role_id	Index Column
?	?	Reference Join

5.2.1.12.13.6 List of extended attributes of the table column 角色ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.12.14 List of keys of the table 用户角色关联表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.12.15 Key Key_1 of the table 用户角色关联表

5.2.1.12.15.1 Card of the key Key_1 of the table 用户角色关联表

Name	Key_1
Code	Key_1

Table	用户角色关联表

5.2.1.12.15.2 Code preview of the key Key_1 of the table 用户角色关联表

```
use coal_trading;

alter table ct_user_role_relationships
   drop primary key;
```

5.2.1.12.15.3 List of columns of the table key Key_1

Name	*Code*
角色ID	role_id
用户ID	user_id

5.2.1.12.15.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	true	MySQL 5.7

5.2.1.12.16 List of indexes of the table 用户角色关联表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
用户角色索引	Index_user_role					
Index_user_id	Index_user_id	X				

5.2.1.12.17 Index 用户角色索引 of the table 用户角色关联表

5.2.1.12.17.1 Card of the index 用户角色索引 of the table 用户角色关联表

Name	用户角色索引
Code	Index_user_role
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	用户角色关联表

5.2.1.12.17.2 Code preview of the index 用户角色索引 of the table 用户角色关联表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_role                                       */
/*==============================================================*/
create index Index_user_role on ct_user_role_relationships
(
   role_id
);
```

5.2.1.12.17.3 List of index columns of the table index 用户角色索引

Name	*Code*	*Sort*
角色ID	role_id	Ascending

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.12.18 Index Index_user_id of the table 用户角色关联表

5.2.1.12.18.1 Card of the index Index_user_id of the table 用户角色关联表

Name	Index_user_id
Code	Index_user_id
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	用户角色关联表

5.2.1.12.18.2 Code preview of the index Index_user_id of the table 用户角色关联表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create unique index Index_user_id on ct_user_role_relationships
(
   user_id
);
```

5.2.1.12.18.3 List of index columns of the table index Index_user_id

Name	*Code*	*Sort*
用户ID	user_id	Ascending

5.2.1.12.18.4 List of extended attributes of the table index Index_user_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.13 Table 用户附加信息表

5.2.1.13.1 Card of table 用户附加信息表

Name	用户附加信息表
Code	ct_usermeta
DBMS	MySQL 5.7

5.2.1.13.2 Check constraint name of the table 用户附加信息表

TK_ct_usermeta

5.2.1.13.3 Server validation rule of the table 用户附加信息表

%RULES%

5.2.1.13.4 Options of the table 用户附加信息表

engine = InnoDB

5.2.1.13.5 Code preview of the table 用户附加信息表

```
use coal_trading;
```

```
drop table if exists ct_usermeta;

/*==============================================================*/
/* Table: ct_usermeta                                           */
/*==============================================================*/
create table ct_usermeta
(
   id                   bigint(20) not null auto_increment comment '元数据ID',
   user_id              bigint(20) not null comment '用户ID',
   mkey                 varchar(255) not null comment '键',
   mvalue               longtext comment '值',
   primary key (id)
)
engine = InnoDB;

alter table ct_usermeta comment '用户附加信息表';

/*==============================================================*/
/* Index: Index_userid_key                                      */
/*==============================================================*/
create unique index Index_userid_key on ct_usermeta
(
   user_id,
   mkey
);

alter table ct_usermeta add constraint FK_UM_REF_USER foreign key (user_id)
      references ct_users (id) on delete restrict on update restrict;
```

5.2.1.13.6 List of diagrams containing the table 用户附加信息表

Name	*Code*
国煤交易系统	pdp

5.2.1.13.7 List of outgoing references of the table 用户附加信息表

Name	*Code*	*Foreign Key Columns*
UM_REF_USER	UM_REF_USER	用户ID

5.2.1.13.8 List of all dependencies of the table 用户附加信息表

Name	*Code*	*Class Name*
UM_REF_USER	UM_REF_USER	Reference

5.2.1.13.9 List of extended attributes of the table 用户附加信息表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.13.10 List of columns of the table 用户附加信息表

Name	*Code*
元数据ID	id
用户ID	user_id
键	mkey
值	mvalue

5.2.1.13.11 Column 元数据ID of the table 用户附加信息表

5.2.1.13.11.1 Card of the column 元数据ID of the table 用户附加信息表

Name	元数据ID

Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.13.11.2 Check constraint name of the column 元数据ID of the table 用户附加信息表

CK_id

5.2.1.13.11.3 Check of the column 元数据ID of the table 用户附加信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.13.11.4 Server validation rule of the column 元数据ID of the table 用户附加信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.13.11.5 List of all dependencies of the table column 元数据ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key

5.2.1.13.11.6 List of extended attributes of the table column 元数据ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.13.12 Column 用户ID of the table 用户附加信息表

5.2.1.13.12.1 Card of the column 用户ID of the table 用户附加信息表

Name	用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.13.12.2 Check constraint name of the column 用户ID of the table 用户附加信息表

CK_user_id

5.2.1.13.12.3 Check of the column 用户ID of the table 用户附加信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.13.12.4 Server validation rule of the column 用户ID of the table 用户附加信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.13.12.5 List of all dependencies of the table column 用户ID

Name	*Code*	*Class Name*
用户ID	user_id	Index Column
?	?	Reference Join

5.2.1.13.12.6 List of extended attributes of the table column 用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.13.13 Column 键 of the table 用户附加信息表

5.2.1.13.13.1 Card of the column 键 of the table 用户附加信息表

Name	键
Code	mkey
Data Type	varchar(255)
Mandatory	Yes

5.2.1.13.13.2 Check constraint name of the column 键 of the table 用户附加信息表

CK_mkey

5.2.1.13.13.3 Check of the column 键 of the table 用户附加信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.13.13.4 Server validation rule of the column 键 of the table 用户附加信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.13.13.5 List of all dependencies of the table column 键

Name	*Code*	*Class Name*
键	mkey	Index Column

5.2.1.13.13.6 List of extended attributes of the table column 键

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.13.14 Column 值 of the table 用户附加信息表

5.2.1.13.14.1 Card of the column 值 of the table 用户附加信息表

Name	值
Code	mvalue
Data Type	longtext
Mandatory	No

5.2.1.13.14.2 Check constraint name of the column 值 of the table 用户附加信息表

CK_mvalue

5.2.1.13.14.3 Check of the column 值 of the table 用户附加信息表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.13.14.4 Server validation rule of the column 值 of the table 用户附加信息表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.13.14.5 List of extended attributes of the table column 值

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.13.15 List of keys of the table 用户附加信息表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.13.16 Key Key_1 of the table 用户附加信息表

5.2.1.13.16.1 Card of the key Key_1 of the table 用户附加信息表

Name	Key_1
Code	Key_1
Table	用户附加信息表

5.2.1.13.16.2 Code preview of the key Key_1 of the table 用户附加信息表

```
use coal_trading;

alter table ct_usermeta
   drop primary key;
```

5.2.1.13.16.3 List of columns of the table key Key_1

Name	*Code*
元数据ID	id

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.13.17 List of indexes of the table 用户附加信息表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_userid_key	Index_userid_key	X				

5.2.1.13.18 Index Index_userid_key of the table 用户附加信息表

5.2.1.13.18.1 Card of the index Index_userid_key of the table 用户附加信息表

Name	Index_userid_key
Code	Index_userid_key
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	用户附加信息表

5.2.1.13.18.2 Code preview of the index Index_userid_key of the table 用户附加信息表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_userid_key                                      */
/*==============================================================*/
create unique index Index_userid_key on ct_usermeta
(
   user_id,
   mkey
);
```

5.2.1.13.18.3 List of index columns of the table index Index_userid_key

Name	*Code*	*Sort*
用户ID	user_id	Ascending
键	mkey	Ascending

5.2.1.13.18.4 List of extended attributes of the table index Index_userid_key

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.14 Table 网站消息

5.2.1.14.1 Card of table 网站消息

Name	网站消息
Code	ct_website_message
DBMS	MySQL 5.7

5.2.1.14.2 Check constraint name of the table 网站消息

TK_ct_website_message

5.2.1.14.3 Server validation rule of the table 网站消息

%RULES%

5.2.1.14.4 Options of the table 网站消息

engine = InnoDB

5.2.1.14.5 Code preview of the table 网站消息

```
use coal_trading;

drop table if exists ct_website_message;

/*==============================================================*/
/* Table: ct_website_message                                    */
/*==============================================================*/
create table ct_website_message
(
   id                   bigint(20) not null auto_increment comment '新闻主键',
   title                varchar(50) not null comment '站内信标题',
   content              varchar(1024) not null comment '站内信内容',
   modified             datetime default CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP comment '修改时间',
   msg_type             smallint not null comment '消息类型（1.系统消息）',
   created              datetime default CURRENT_TIMESTAMP comment '发信时间',
   from_userid          bigint(20) comment '发信人用户ID',
   from_username        varchar(128) comment '发信人用户名',
   to_userid            bigint(20) not null comment '收信人用户ID',
   to_username          varchar(128) comment '收信人用户名',
   read_status          enum('1','2') not null default '1' comment '是否已读（1. 未读；2.已读）',
   primary key (id)
)
engine = InnoDB;

/*==============================================================*/
/* Index: Index_to_userid                                       */
/*==============================================================*/
create index Index_to_userid on ct_website_message
(
   to_userid
);

alter table ct_website_message add constraint FK_UM_REF_USER_1 foreign key (from_userid)
      references ct_users (id) on delete restrict on update restrict;

alter table ct_website_message add constraint FK_UM_REF_USER_2 foreign key (to_userid)
      references ct_users (id) on delete restrict on update restrict;
```

5.2.1.14.6 List of diagrams containing the table 网站消息

Name	*Code*
国煤交易系统	pdp

5.2.1.14.7 List of outgoing references of the table 网站消息

Name	*Code*	*Foreign Key Columns*
UM_REF_USER_1	UM_REF_USER_1	发信人用户ID
UM_REF_USER_2	UM_REF_USER_2	收信人ID

5.2.1.14.8 List of all dependencies of the table 网站消息

Name	*Code*	*Class Name*
UM_REF_USER_1	UM_REF_USER_1	Reference
UM_REF_USER_2	UM_REF_USER_2	Reference

5.2.1.14.9 List of extended attributes of the table 网站消息

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.14.10 List of columns of the table 网站消息

Name	*Code*
新闻ID	id
站内信标题	title
站内信内容	content
修改时间	modified
消息类型	msg_type
发信时间	created
发信人用户ID	from_userid
发信人用户名	from_username
收信人ID	to_userid
收信人用户名	to_username
是否已读	read_status

5.2.1.14.11 Column 新闻ID of the table 网站消息

5.2.1.14.11.1 Card of the column 新闻ID of the table 网站消息

Name	新闻ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.14.11.2 Check constraint name of the column 新闻ID of the table 网站消息

CK_id

5.2.1.14.11.3 Check of the column 新闻ID of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.11.4 Server validation rule of the column 新闻ID of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.11.5 List of all dependencies of the table column 新闻ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key

5.2.1.14.11.6 List of extended attributes of the table column 新闻ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.12 Column 站内信标题 of the table 网站消息

5.2.1.14.12.1 Card of the column 站内信标题 of the table 网站消息

Name	站内信标题
Code	title
Data Type	varchar(50)
Mandatory	Yes

5.2.1.14.12.2 Check constraint name of the column 站内信标题 of the table 网站消息

CK_title

5.2.1.14.12.3 Check of the column 站内信标题 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.12.4 Server validation rule of the column 站内信标题 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.12.5 List of extended attributes of the table column 站内信标题

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.13 Column 站内信内容 of the table 网站消息

5.2.1.14.13.1 Card of the column 站内信内容 of the table 网站消息

Name	站内信内容
Code	content
Data Type	varchar(1024)
Mandatory	Yes

5.2.1.14.13.2 Check constraint name of the column 站内信内容 of the table 网站消息

CK_content

5.2.1.14.13.3 Check of the column 站内信内容 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	

Cannot Modify	No
List Of Values	

5.2.1.14.13.4 Server validation rule of the column 站内信内容 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.13.5 List of extended attributes of the table column 站内信内容

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.14 Column 修改时间 of the table 网站消息

5.2.1.14.14.1 Card of the column 修改时间 of the table 网站消息

Name	修改时间
Code	modified
Data Type	datetime
Mandatory	No

5.2.1.14.14.2 Check constraint name of the column 修改时间 of the table 网站消息

CK_modified

5.2.1.14.14.3 Check of the column 修改时间 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.14.4 Server validation rule of the column 修改时间 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.14.5 List of extended attributes of the table column 修改时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.15 Column 消息类型 of the table 网站消息

5.2.1.14.15.1 Card of the column 消息类型 of the table 网站消息

Name	消息类型
Code	msg_type
Data Type	smallint
Mandatory	Yes

5.2.1.14.15.2 Check constraint name of the column 消息类型 of the table 网站消息

CK_msg_type

5.2.1.14.15.3 Check of the column 消息类型 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.15.4 Server validation rule of the column 消息类型 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.15.5 List of extended attributes of the table column 消息类型

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.16 Column 发信时间 of the table 网站消息

5.2.1.14.16.1 Card of the column 发信时间 of the table 网站消息

Name	发信时间
Code	created
Data Type	datetime
Mandatory	No

5.2.1.14.16.2 Check constraint name of the column 发信时间 of the table 网站消息

CK_created

5.2.1.14.16.3 Check of the column 发信时间 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.16.4 Server validation rule of the column 发信时间 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.16.5 List of extended attributes of the table column 发信时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.17 Column 发信人用户ID of the table 网站消息

5.2.1.14.17.1 Card of the column 发信人用户ID of the table 网站消息

Name	发信人用户ID
Code	from_userid
Data Type	bigint(20)
Mandatory	No

5.2.1.14.17.2 Check constraint name of the column 发信人用户ID of the table 网站消息

CK_from_userid

5.2.1.14.17.3 Check of the column 发信人用户ID of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.17.4 Server validation rule of the column 发信人用户ID of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.17.5 List of all dependencies of the table column 发信人用户ID

Name	*Code*	*Class Name*
?	?	Reference Join

5.2.1.14.17.6 List of extended attributes of the table column 发信人用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.18 Column 发信人用户名 of the table 网站消息

5.2.1.14.18.1 Card of the column 发信人用户名 of the table 网站消息

Name	发信人用户名
Code	from_username
Data Type	varchar(128)
Mandatory	No

5.2.1.14.18.2 Check constraint name of the column 发信人用户名 of the table 网站消息

CK_from_username

5.2.1.14.18.3 Check of the column 发信人用户名 of the table 网站消息

Minimum Value	
Maximum Value	

Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.18.4 Server validation rule of the column 发信人用户名 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.18.5 List of extended attributes of the table column 发信人用户名

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.19 Column 收信人ID of the table 网站消息

5.2.1.14.19.1 Card of the column 收信人ID of the table 网站消息

Name	收信人ID
Code	to_userid
Data Type	bigint(20)
Mandatory	Yes

5.2.1.14.19.2 Check constraint name of the column 收信人ID of the table 网站消息

CK_to_userid

5.2.1.14.19.3 Check of the column 收信人ID of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.19.4 Server validation rule of the column 收信人ID of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.19.5 List of all dependencies of the table column 收信人ID

Name	*Code*	*Class Name*
收信人ID	to_userid	Index Column
?	?	Reference Join

5.2.1.14.19.6 List of extended attributes of the table column 收信人ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.20 Column 收信人用户名 of the table 网站消息

5.2.1.14.20.1 Card of the column 收信人用户名 of the table 网站消息

Name	收信人用户名
Code	to_username
Data Type	varchar(128)
Mandatory	No

5.2.1.14.20.2 Check constraint name of the column 收信人用户名 of the table 网站消息

CK_to_username

5.2.1.14.20.3 Check of the column 收信人用户名 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.14.20.4 Server validation rule of the column 收信人用户名 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.20.5 List of extended attributes of the table column 收信人用户名

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.21 Column 是否已读 of the table 网站消息

5.2.1.14.21.1 Card of the column 是否已读 of the table 网站消息

Name	是否已读
Code	read_status
Data Type	enum('1','2')
Mandatory	Yes

5.2.1.14.21.2 Check constraint name of the column 是否已读 of the table 网站消息

CK_read_status

5.2.1.14.21.3 Check of the column 是否已读 of the table 网站消息

Minimum Value	
Maximum Value	
Default Value	1
Unit	
Format	

Cannot Modify	No
List Of Values	

5.2.1.14.21.4 Server validation rule of the column 是否已读 of the table 网站消息

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.14.21.5 List of extended attributes of the table column 是否已读

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.14.22 List of keys of the table 网站消息

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.14.23 Key Key_1 of the table 网站消息

5.2.1.14.23.1 Card of the key Key_1 of the table 网站消息

Name	Key_1
Code	Key_1
Table	网站消息

5.2.1.14.23.2 Code preview of the key Key_1 of the table 网站消息

```
use coal_trading;

alter table ct_website_message
   drop primary key;
```

5.2.1.14.23.3 List of columns of the table key Key_1

Name	*Code*
新闻ID	id

5.2.1.14.23.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.14.24 List of indexes of the table 网站消息

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_to_userid	Index_to_userid					

5.2.1.14.25 Index Index_to_userid of the table 网站消息

5.2.1.14.25.1 Card of the index Index_to_userid of the table 网站消息

Name	Index_to_userid
Code	Index_to_userid
Unique	No
Cluster	No
Primary	No

Foreign Key	No
Alternate Key	No
Table	网站消息

5.2.1.14.25.2 Code preview of the index Index_to_userid of the table 网站消息

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_to_userid                                       */
/*==============================================================*/
create index Index_to_userid on ct_website_message
(
   to_userid
);
```

5.2.1.14.25.3 List of index columns of the table index Index_to_userid

Name	*Code*	*Sort*
收信人ID	to_userid	Ascending

5.2.1.14.25.4 List of extended attributes of the table index Index_to_userid

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.15 Table 角色权限关联表

5.2.1.15.1 Card of table 角色权限关联表

Name	角色权限关联表
Code	ct_role_permission_relationships
DBMS	MySQL 5.7

5.2.1.15.2 Check constraint name of the table 角色权限关联表

TK_ct_role_permission_relationships

5.2.1.15.3 Server validation rule of the table 角色权限关联表

%RULES%

5.2.1.15.4 Options of the table 角色权限关联表

engine = InnoDB

5.2.1.15.5 End script of the table 角色权限关联表

```
/*role_id, permission*/
INSERT INTO ct_role_permission_relationships VALUES(1,1),
(1,7),
(2,2),
(3,3),
(4,4),
(5,5),
(6,6),
(7,8),
(8,9),
(9,10);
```

5.2.1.15.6 Code preview of the table 角色权限关联表

```
use coal_trading;
```

```
drop table if exists ct_role_permission_relationships;

/*==============================================================*/
/* Table: ct_role_permission_relationships                      */
/*==============================================================*/
create table ct_role_permission_relationships
(
   role_id              bigint(20) not null comment '角色ID',
   permission_id        bigint(20) not null comment '权限ID',
   primary key (role_id, permission_id)
)
engine = InnoDB;

alter table ct_role_permission_relationships comment '角色权限关联表
1个角色可以对应多个权限';

/*role_id, permission*/
INSERT INTO ct_role_permission_relationships VALUES(1,1),
(1,7),
(2,2),
(3,3),
(4,4),
(5,5),
(6,6),
(7,8),
(8,9),
(9,10);

/*==============================================================*/
/* Index: Index_role_pri_id                                     */
/*==============================================================*/
create unique index Index_role_pri_id on ct_role_permission_relationships
(
   role_id,
   permission_id
);

alter table ct_role_permission_relationships add constraint FK_RP_REF_PERMISSION foreign key (permission_id)
      references ct_permissions (id) on delete restrict on update restrict;

alter table ct_role_permission_relationships add constraint FK_RP_REF_ROLE foreign key (role_id)
      references ct_userrole (id) on delete restrict on update restrict;
```

5.2.1.15.7 List of diagrams containing the table 角色权限关联表

Name	*Code*
国煤交易系统	pdp

5.2.1.15.8 List of outgoing references of the table 角色权限关联表

Name	*Code*	*Foreign Key Columns*
RP_REF_PERMISSION	RP_REF_PERMISSION	权限ID
RP_REF_ROLE	RP_REF_ROLE	角色ID

5.2.1.15.9 List of all dependencies of the table 角色权限关联表

Name	*Code*	*Class Name*
RP_REF_PERMISSION	RP_REF_PERMISSION	Reference
RP_REF_ROLE	RP_REF_ROLE	Reference

5.2.1.15.10 List of extended attributes of the table 角色权限关联表

Name	*Data Type*	*Value*	*Target Name*

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.15.11 List of columns of the table 角色权限关联表

Name	*Code*
角色ID	role_id
权限ID	permission_id

5.2.1.15.12 Column 角色ID of the table 角色权限关联表

5.2.1.15.12.1 Card of the column 角色ID of the table 角色权限关联表

Name	角色ID
Code	role_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.15.12.2 Check constraint name of the column 角色ID of the table 角色权限关联表

CK_role_id

5.2.1.15.12.3 Check of the column 角色ID of the table 角色权限关联表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.15.12.4 Server validation rule of the column 角色ID of the table 角色权限关联表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.15.12.5 List of all dependencies of the table column 角色ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
角色ID	role_id	Index Column
?	?	Reference Join

5.2.1.15.12.6 List of extended attributes of the table column 角色ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.15.13 Column 权限ID of the table 角色权限关联表

5.2.1.15.13.1 Card of the column 权限ID of the table 角色权限关联表

Name	权限ID
Code	permission_id
Data Type	bigint(20)

Mandatory	Yes

5.2.1.15.13.2 Check constraint name of the column 权限ID of the table 角色权限关联表

CK_permission_id

5.2.1.15.13.3 Check of the column 权限ID of the table 角色权限关联表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.15.13.4 Server validation rule of the column 权限ID of the table 角色权限关联表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.15.13.5 List of all dependencies of the table column 权限ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
权限ID	permission_id	Index Column
?	?	Reference Join

5.2.1.15.13.6 List of extended attributes of the table column 权限ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.15.14 List of keys of the table 角色权限关联表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.15.15 Key Key_1 of the table 角色权限关联表

5.2.1.15.15.1 Card of the key Key_1 of the table 角色权限关联表

Name	Key_1
Code	Key_1
Table	角色权限关联表

5.2.1.15.15.2 Code preview of the key Key_1 of the table 角色权限关联表

```
use coal_trading;

alter table ct_role_permission_relationships
   drop primary key;
```

5.2.1.15.15.3 List of columns of the table key Key_1

Name	*Code*
角色ID	role_id

Name	Code
权限ID	permission_id

5.2.1.15.15.4 List of extended attributes of the table key Key_1

Name	Data Type	Value	Target Name
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.15.16 List of indexes of the table 角色权限关联表

Name	Code	Unique	Cluster	Primary	Foreign Key	Alternate Key
Index_role_pri_id	Index_role_pri_id	X				

5.2.1.15.17 Index Index_role_pri_id of the table 角色权限关联表

5.2.1.15.17.1 Card of the index Index_role_pri_id of the table 角色权限关联表

Name	Index_role_pri_id
Code	Index_role_pri_id
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	角色权限关联表

5.2.1.15.17.2 Code preview of the index Index_role_pri_id of the table 角色权限关联表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_role_pri_id                                     */
/*==============================================================*/
create unique index Index_role_pri_id on ct_role_permission_relationships
(
   role_id,
   permission_id
);
```

5.2.1.15.17.3 List of index columns of the table index Index_role_pri_id

Name	Code	Sort
角色ID	role_id	Ascending
权限ID	permission_id	Ascending

5.2.1.15.17.4 List of extended attributes of the table index Index_role_pri_id

Name	Data Type	Value	Target Name
FullText	(Boolean)	false	MySQL 5.7

5.2.1.16 Table 角色表

5.2.1.16.1 Card of table 角色表

Name	角色表
Code	ct_userrole
DBMS	MySQL 5.7

5.2.1.16.2 Check constraint name of the table 角色表

TK_ct_userrole

5.2.1.16.3 Server validation rule of the table 角色表

%RULES%

5.2.1.16.4 Options of the table 角色表

engine = InnoDB

5.2.1.16.5 End script of the table 角色表

```
/*
1. 几种管理员：
    a. 超级管理员
    b. 资讯编辑员
    c. 资讯审核员
    d. 资讯维护员
    e. 注册用户审核员
    f. 交易审核员

2. 交易用户[供应商,采购商]
3. 财务用户
*/
INSERT INTO ct_userrole(`id`, `name`, `mark`, `type`) VALUES
(1, "超级管理员", "SUPER_ADMIN", "admin"),
(2, "资讯编辑员", "NEWS_EDITOR", "admin"),
(3, "资讯审核员", "NEWS_AUDITOR", "admin"),
(4, "资讯维护员", "NEWS_MANAGER", "admin"),
(5, "注册用户审核员", "USER_REG_AUDITOR", "admin"),
(6, "交易审核员", "TRADE_AUDITOR", "admin"),
(7, "供应商", "USER_SALE", "user"),
(8, "采购商", "USER_BUY", "user"),
(9, "财务用户", "USER_MONEY", "");
```

5.2.1.16.6 Code preview of the table 角色表

```
use coal_trading;

drop table if exists ct_userrole;

/*==============================================================*/
/* Table: ct_userrole                                           */
/*==============================================================*/
create table ct_userrole
(
  id                bigint(20) not null comment '角色ID',
  mark              varchar(20) comment '角色标记',
  name              varchar(20) comment '角色名',
  type              varchar(10) comment '角色类型',
  primary key (id)
)
engine = InnoDB;

alter table ct_userrole comment '角色表
1. 几种管理员：
    a. 资讯编辑员
    b. 资讯审核员
';

/*
1. 几种管理员：
    a. 超级管理员
    b. 资讯编辑员
    c. 资讯审核员
```

```
    d. 资讯维护员
    e. 注册用户审核员
    f. 交易审核员

2. 交易用户[供应商,采购商]
3. 财务用户
*/
INSERT INTO ct_userrole(`id`, `name`, `mark`, `type`) VALUES
(1, "超级管理员", "SUPER_ADMIN", "admin"),
(2, "资讯编辑员", "NEWS_EDITOR", "admin"),
(3, "资讯审核员", "NEWS_AUDITOR", "admin"),
(4, "资讯维护员", "NEWS_MANAGER", "admin"),
(5, "注册用户审核员", "USER_REG_AUDITOR", "admin"),
(6, "交易审核员", "TRADE_AUDITOR", "admin"),
(7, "供应商", "USER_SALE", "user"),
(8, "采购商", "USER_BUY", "user"),
(9, "财务用户", "USER_MONEY", "");

/*==============================================================*/
/* Index: Index_role_id                                         */
/*==============================================================*/
create index Index_role_id on ct_userrole
(
   id
);

/*==============================================================*/
/* Index: Index_Role_Type                                       */
/*==============================================================*/
create index Index_Role_Type on ct_userrole
(
   type
);
```

5.2.1.16.7 List of diagrams containing the table 角色表

Name	*Code*
国煤交易系统	pdp

5.2.1.16.8 List of incoming references of the table 角色表

Name	*Code*
RP_REF_ROLE	RP_REF_ROLE
UR_REF_ROLE	UR_REF_ROLE

5.2.1.16.9 List of all dependencies of the table 角色表

Name	*Code*	*Class Name*
RP_REF_ROLE	RP_REF_ROLE	Reference
UR_REF_ROLE	UR_REF_ROLE	Reference

5.2.1.16.10 List of extended attributes of the table 角色表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.16.11 List of columns of the table 角色表

Name	*Code*
角色ID	id
角色标记	mark
角色名	name

Name	*Code*
角色类型	type

5.2.1.16.12 Column 角色ID of the table 角色表

5.2.1.16.12.1 Card of the column 角色ID of the table 角色表

Name	角色ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.16.12.2 Check constraint name of the column 角色ID of the table 角色表

CK_id

5.2.1.16.12.3 Check of the column 角色ID of the table 角色表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.16.12.4 Server validation rule of the column 角色ID of the table 角色表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.16.12.5 List of all dependencies of the table column 角色ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
角色ID	id	Index Column
?	?	Reference Join
?	?	Reference Join

5.2.1.16.12.6 List of extended attributes of the table column 角色ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.16.13 Column 角色标记 of the table 角色表

5.2.1.16.13.1 Card of the column 角色标记 of the table 角色表

Name	角色标记
Code	mark
Data Type	varchar(20)
Mandatory	No

5.2.1.16.13.2 Check constraint name of the column 角色标记 of the table 角色表

CK_mark

5.2.1.16.13.3 Check of the column 角色标记 of the table 角色表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.16.13.4 Server validation rule of the column 角色标记 of the table 角色表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.16.13.5 List of extended attributes of the table column 角色标记

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.16.14 Column 角色名 of the table 角色表

5.2.1.16.14.1 Card of the column 角色名 of the table 角色表

Name	角色名
Code	name
Data Type	varchar(20)
Mandatory	No

5.2.1.16.14.2 Check constraint name of the column 角色名 of the table 角色表

CK_name

5.2.1.16.14.3 Check of the column 角色名 of the table 角色表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.16.14.4 Server validation rule of the column 角色名 of the table 角色表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.16.14.5 List of extended attributes of the table column 角色名

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.16.15 Column 角色类型 of the table 角色表

5.2.1.16.15.1 Card of the column 角色类型 of the table 角色表

Name	角色类型
Code	type
Data Type	varchar(10)
Mandatory	No

5.2.1.16.15.2 Check constraint name of the column 角色类型 of the table 角色表

CK_type

5.2.1.16.15.3 Check of the column 角色类型 of the table 角色表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.16.15.4 Server validation rule of the column 角色类型 of the table 角色表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.16.15.5 List of all dependencies of the table column 角色类型

Name	*Code*	*Class Name*
角色类型	type	Index Column

5.2.1.16.15.6 List of extended attributes of the table column 角色类型

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.16.16 List of keys of the table 角色表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.16.17 Key Key_1 of the table 角色表

5.2.1.16.17.1 Card of the key Key_1 of the table 角色表

Name	Key_1
Code	Key_1
Table	角色表

5.2.1.16.17.2 Code preview of the key Key_1 of the table 角色表

```
use coal_trading;

alter table ct_userrole
   drop primary key;
```

5.2.1.16.17.3 List of columns of the table key Key_1

Name	*Code*
角色ID	id

5.2.1.16.17.4 List of all dependencies of the table key Key_1

Name	*Code*	*Class Name*
RP_REF_ROLE	RP_REF_ROLE	Reference
UR_REF_ROLE	UR_REF_ROLE	Reference

5.2.1.16.17.5 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.16.18 List of indexes of the table 角色表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_role_id	Index_role_id					
Index_Role_Type	Index_Role_Type					

5.2.1.16.19 Index Index_role_id of the table 角色表

5.2.1.16.19.1 Card of the index Index_role_id of the table 角色表

Name	Index_role_id
Code	Index_role_id
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	角色表

5.2.1.16.19.2 Code preview of the index Index_role_id of the table 角色表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_role_id                                         */
/*==============================================================*/
create index Index_role_id on ct_userrole
(
   id
);
```

5.2.1.16.19.3 List of index columns of the table index Index_role_id

Name	*Code*	*Sort*
角色ID	id	Ascending

5.2.1.16.19.4 List of extended attributes of the table index Index_role_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.16.20 Index Index_Role_Type of the table 角色表

5.2.1.16.20.1 Card of the index Index_Role_Type of the table 角色表

Name	Index_Role_Type
Code	Index_Role_Type
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	角色表

5.2.1.16.20.2 Code preview of the index Index_Role_Type of the table 角色表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_Role_Type                                       */
/*==============================================================*/
create index Index_Role_Type on ct_userrole
(
   type
);
```

5.2.1.16.20.3 List of index columns of the table index Index_Role_Type

Name	*Code*	*Sort*
角色类型	type	Ascending

5.2.1.16.20.4 List of extended attributes of the table index Index_Role_Type

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.17 Table 订单表

5.2.1.17.1 Card of table 订单表

Name	订单表
Code	ct_order
DBMS	MySQL 5.7

5.2.1.17.2 Check constraint name of the table 订单表

TK_ct_order

5.2.1.17.3 Server validation rule of the table 订单表

%RULES%

5.2.1.17.4 Options of the table 订单表

engine = InnoDB

5.2.1.17.5 Code preview of the table 订单表

```
use coal_trading;

drop table if exists ct_order;

/*==============================================================*/
```

```
/* Table: ct_order                                */
/*==============================================================*/
create table ct_order
(
   id                   bigint(20) not null auto_increment comment '订单ID',
   num                  varchar(30) not null comment '订单号',
   req_id               bigint(20) comment '需求ID',
   user_id              bigint(20) comment '用户ID',
   created_time         datetime comment '创建时间',
   status               enum('1','2','3','4') not null comment '订单状态：
         1. 进行中
         2. 超时
         3. 完成
         4. 取消',
   primary key (id)
)
engine = InnoDB;

alter table ct_order comment '订单表';

/*==============================================================*/
/* Index: Index_user_id                                 */
/*==============================================================*/
create index Index_user_id on ct_order
(
   user_id
);

/*==============================================================*/
/* Index: Index_req_id                                  */
/*==============================================================*/
create index Index_req_id on ct_order
(
   req_id
);

/*==============================================================*/
/* Index: Index_order_id                                */
/*==============================================================*/
create unique index Index_order_id on ct_order
(
   id
);

/*==============================================================*/
/* Index: Index_order_num                               */
/*==============================================================*/
create unique index Index_order_num on ct_order
(
   num
);

alter table ct_order add constraint FK_ORDER_REF_REQ foreign key (req_id)
      references ct_request (id) on delete restrict on update restrict;

alter table ct_order add constraint FK_ORDER_REF_USER foreign key (user_id)
      references ct_users (id) on delete restrict on update restrict;
```

5.2.1.17.6 List of diagrams containing the table 订单表

Name	*Code*
国煤交易系统	pdp

5.2.1.17.7 List of outgoing references of the table 订单表

Name	*Code*	*Foreign Key Columns*
ORDER_REF_REQ	ORDER_REF_REQ	需求ID
ORDER_REF_USER	ORDER_REF_USER	用户ID

5.2.1.17.8 List of all dependencies of the table 订单表

Name	*Code*	*Class Name*
ORDER_REF_REQ	ORDER_REF_REQ	Reference
ORDER_REF_USER	ORDER_REF_USER	Reference

5.2.1.17.9 List of extended attributes of the table 订单表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.17.10 List of columns of the table 订单表

Name	*Code*
订单ID	id
订单号	num
需求ID	req_id
用户ID	user_id
创建时间	created_time
订单状态	status

5.2.1.17.11 Column 订单ID of the table 订单表

5.2.1.17.11.1 Card of the column 订单ID of the table 订单表

Name	订单ID
Code	id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.17.11.2 Check constraint name of the column 订单ID of the table 订单表

CK_id

5.2.1.17.11.3 Check of the column 订单ID of the table 订单表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.17.11.4 Server validation rule of the column 订单ID of the table 订单表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.17.11.5 List of all dependencies of the table column 订单ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
订单ID	id	Index Column

5.2.1.17.11.6 List of extended attributes of the table column 订单ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.17.12 Column 订单号 of the table 订单表

5.2.1.17.12.1 Card of the column 订单号 of the table 订单表

Name	订单号
Code	num
Data Type	varchar(30)
Mandatory	Yes

5.2.1.17.12.2 Check constraint name of the column 订单号 of the table 订单表

CK_num

5.2.1.17.12.3 Check of the column 订单号 of the table 订单表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.17.12.4 Server validation rule of the column 订单号 of the table 订单表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.17.12.5 List of all dependencies of the table column 订单号

Name	*Code*	*Class Name*
订单号	num	Index Column

5.2.1.17.12.6 List of extended attributes of the table column 订单号

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.17.13 Column 需求ID of the table 订单表

5.2.1.17.13.1 Card of the column 需求ID of the table 订单表

Name	需求ID
Code	req_id
Data Type	bigint(20)
Mandatory	No

5.2.1.17.13.2 Check constraint name of the column 需求ID of the table 订单表

CK_req_id

5.2.1.17.13.3 Check of the column 需求ID of the table 订单表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.17.13.4 Server validation rule of the column 需求ID of the table 订单表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.17.13.5 List of all dependencies of the table column 需求ID

Name	*Code*	*Class Name*
需求ID	req_id	Index Column
?	?	Reference Join

5.2.1.17.13.6 List of extended attributes of the table column 需求ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.17.14 Column 用户ID of the table 订单表

5.2.1.17.14.1 Card of the column 用户ID of the table 订单表

Name	用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	No

5.2.1.17.14.2 Check constraint name of the column 用户ID of the table 订单表

CK_user_id

5.2.1.17.14.3 Check of the column 用户ID of the table 订单表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.17.14.4 Server validation rule of the column 用户ID of the table 订单表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

Name	*Code*	*Class Name*
用户ID	user_id	Index Column
?	?	Reference Join

5.2.1.17.14.6 List of extended attributes of the table column 用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.17.15 Column 创建时间 of the table 订单表

5.2.1.17.15.1 Card of the column 创建时间 of the table 订单表

Name	创建时间
Code	created_time
Data Type	datetime
Mandatory	No

5.2.1.17.15.2 Check constraint name of the column 创建时间 of the table 订单表

CK_created_time

5.2.1.17.15.3 Check of the column 创建时间 of the table 订单表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.17.15.4 Server validation rule of the column 创建时间 of the table 订单表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.17.15.5 List of extended attributes of the table column 创建时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.17.16 Column 订单状态 of the table 订单表

5.2.1.17.16.1 Card of the column 订单状态 of the table 订单表

Name	订单状态
Code	status
Data Type	enum('1','2','3','4')
Mandatory	Yes

5.2.1.17.16.2 Check constraint name of the column 订单状态 of the table 订单表

CK_status

5.2.1.17.16.3 Check of the column 订单状态 of the table 订单表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.17.16.4 Server validation rule of the column 订单状态 of the table 订单表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.17.16.5 List of extended attributes of the table column 订单状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.17.17 List of keys of the table 订单表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.17.18 Key Key_1 of the table 订单表

5.2.1.17.18.1 Card of the key Key_1 of the table 订单表

Name	Key_1
Code	Key_1
Table	订单表

5.2.1.17.18.2 Code preview of the key Key_1 of the table 订单表

```
use coal_trading;

alter table ct_order
   drop primary key;
```

5.2.1.17.18.3 List of columns of the table key Key_1

Name	*Code*
订单ID	id

5.2.1.17.18.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.17.19 List of indexes of the table 订单表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_user_id	Index_user_id					

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_req_id	Index_req_id					
Index_order_id	Index_order_id	X				
Index_order_num	Index_order_num	X				

5.2.1.17.20 Index Index_user_id of the table 订单表

5.2.1.17.20.1 Card of the index Index_user_id of the table 订单表

Name	Index_user_id
Code	Index_user_id
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	订单表

5.2.1.17.20.2 Code preview of the index Index_user_id of the table 订单表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create index Index_user_id on ct_order
(
   user_id
);
```

5.2.1.17.20.3 List of index columns of the table index Index_user_id

Name	*Code*	*Sort*
用户ID	user_id	Ascending

5.2.1.17.20.4 List of extended attributes of the table index Index_user_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.17.21 Index Index_req_id of the table 订单表

5.2.1.17.21.1 Card of the index Index_req_id of the table 订单表

Name	Index_req_id
Code	Index_req_id
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	订单表

5.2.1.17.21.2 Code preview of the index Index_req_id of the table 订单表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_req_id                                          */
/*==============================================================*/
create index Index_req_id on ct_order
(
   req_id
);
```

5.2.1.17.21.3 List of index columns of the table index Index_req_id

Name	*Code*	*Sort*
需求ID	req_id	Ascending

5.2.1.17.21.4 List of extended attributes of the table index Index_req_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.17.22 Index Index_order_id of the table 订单表

5.2.1.17.22.1 Card of the index Index_order_id of the table 订单表

Name	Index_order_id
Code	Index_order_id
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	订单表

5.2.1.17.22.2 Code preview of the index Index_order_id of the table 订单表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_order_id                                        */
/*==============================================================*/
create unique index Index_order_id on ct_order
(
   id
);
```

5.2.1.17.22.3 List of index columns of the table index Index_order_id

Name	*Code*	*Sort*
订单ID	id	Ascending

5.2.1.17.22.4 List of extended attributes of the table index Index_order_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.17.23 Index Index_order_num of the table 订单表

5.2.1.17.23.1 Card of the index Index_order_num of the table 订单表

Name	Index_order_num
Code	Index_order_num
Unique	Yes
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	订单表

5.2.1.17.23.2 Code preview of the index Index_order_num of the table 订单表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_order_num                                       */
/*==============================================================*/
create unique index Index_order_num on ct_order
(
   num
);
```

5.2.1.17.23.3 List of index columns of the table index Index_order_num

Name	*Code*	*Sort*
订单号	num	Ascending

5.2.1.17.23.4 List of extended attributes of the table index Index_order_num

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.18 Table 资金变动记录表

5.2.1.18.1 Card of table 资金变动记录表

Name	资金变动记录表
Code	ct_finance_log
DBMS	MySQL 5.7

5.2.1.18.2 Check constraint name of the table 资金变动记录表

TK_ct_finance_log

5.2.1.18.3 Server validation rule of the table 资金变动记录表

%RULES%

5.2.1.18.4 Options of the table 资金变动记录表

engine = InnoDB

5.2.1.18.5 Code preview of the table 资金变动记录表

```
use coal_trading;

drop table if exists ct_finance_log;

/*==============================================================*/
/* Table: ct_finance_log                                        */
```

```
/*==============================================================*/
create table ct_finance_log
(
  user_id            bigint(20) not null comment '财务用户ID',
  date               datetime default CURRENT_TIMESTAMP comment '变动时间',
  type               enum('1','2','3') comment '变动操作：
        1. 预存（增加）
        2. 缴纳给平台（冻结）
        3. 平台扣除指定额度的冻结款项（减少）
        ',
  quantity           decimal(10,2) comment '金额数量',
  primary key (user_id)
)
engine = InnoDB;

alter table ct_finance_log comment '资金变动记录表';

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create index Index_user_id on ct_finance_log
(
  user_id
);

/*==============================================================*/
/* Index: Index_log_type                                        */
/*==============================================================*/
create index Index_log_type on ct_finance_log
(
  type
);

alter table ct_finance_log add constraint FK_FL_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.2.1.18.6 List of diagrams containing the table 资金变动记录表

Name	*Code*
国煤交易系统	pdp

5.2.1.18.7 List of outgoing references of the table 资金变动记录表

Name	*Code*	*Foreign Key Columns*
FL_REF_USER	FL_REF_USER	财务用户ID

5.2.1.18.8 List of all dependencies of the table 资金变动记录表

Name	*Code*	*Class Name*
FL_REF_USER	FL_REF_USER	Reference

5.2.1.18.9 List of extended attributes of the table 资金变动记录表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.18.10 List of columns of the table 资金变动记录表

Name	*Code*
财务用户ID	user_id
变动时间	date
变动操作	type

Name	*Code*
金额数量	quantity

5.2.1.18.11 Column 财务用户ID of the table 资金变动记录表

5.2.1.18.11.1 Card of the column 财务用户ID of the table 资金变动记录表

Name	财务用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.18.11.2 Check constraint name of the column 财务用户ID of the table 资金变动记录表

CK_user_id

5.2.1.18.11.3 Check of the column 财务用户ID of the table 资金变动记录表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.18.11.4 Server validation rule of the column 财务用户ID of the table 资金变动记录表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.18.11.5 List of all dependencies of the table column 财务用户ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key
?	?	Reference Join
财务用户ID	user_id	Index Column

5.2.1.18.11.6 List of extended attributes of the table column 财务用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.18.12 Column 变动时间 of the table 资金变动记录表

5.2.1.18.12.1 Card of the column 变动时间 of the table 资金变动记录表

Name	变动时间
Code	date
Data Type	datetime
Mandatory	No

5.2.1.18.12.2 Check constraint name of the column 变动时间 of the table 资金变动记录表

CK_date

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.18.12.4 Server validation rule of the column 变动时间 of the table 资金变动记录表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.18.12.5 List of extended attributes of the table column 变动时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.18.13 Column 变动操作 of the table 资金变动记录表

5.2.1.18.13.1 Card of the column 变动操作 of the table 资金变动记录表

Name	变动操作
Code	type
Data Type	enum('1','2','3')
Mandatory	No

5.2.1.18.13.2 Check constraint name of the column 变动操作 of the table 资金变动记录表

CK_type

5.2.1.18.13.3 Check of the column 变动操作 of the table 资金变动记录表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.18.13.4 Server validation rule of the column 变动操作 of the table 资金变动记录表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.18.13.5 List of all dependencies of the table column 变动操作

Name	*Code*	*Class Name*
变动操作	type	Index Column

5.2.1.18.13.6 List of extended attributes of the table column 变动操作

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.18.14 Column 金额数量 of the table 资金变动记录表

5.2.1.18.14.1 Card of the column 金额数量 of the table 资金变动记录表

Name	金额数量
Code	quantity
Data Type	decimal(10,2)
Mandatory	No

5.2.1.18.14.2 Check constraint name of the column 金额数量 of the table 资金变动记录表

CK_quantity

5.2.1.18.14.3 Check of the column 金额数量 of the table 资金变动记录表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.18.14.4 Server validation rule of the column 金额数量 of the table 资金变动记录表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.18.14.5 List of extended attributes of the table column 金额数量

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.18.15 List of keys of the table 资金变动记录表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.18.16 Key Key_1 of the table 资金变动记录表

5.2.1.18.16.1 Card of the key Key_1 of the table 资金变动记录表

Name	Key_1
Code	Key_1
Table	资金变动记录表

5.2.1.18.16.2 Code preview of the key Key_1 of the table 资金变动记录表

```
use coal_trading;

alter table ct_finance_log
   drop primary key;
```

5.2.1.18.16.3 List of columns of the table key Key_1

Name	*Code*
财务用户ID	user_id

5.2.1.18.16.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.18.17 List of indexes of the table 资金变动记录表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_user_id	Index_user_id					
Index_log_type	Index_log_type					

5.2.1.18.18 Index Index_user_id of the table 资金变动记录表

5.2.1.18.18.1 Card of the index Index_user_id of the table 资金变动记录表

Name	Index_user_id
Code	Index_user_id
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	资金变动记录表

5.2.1.18.18.2 Code preview of the index Index_user_id of the table 资金变动记录表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create index Index_user_id on ct_finance_log
(
   user_id
);
```

5.2.1.18.18.3 List of index columns of the table index Index_user_id

Name	*Code*	*Sort*
财务用户ID	user_id	Ascending

5.2.1.18.18.4 List of extended attributes of the table index Index_user_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.18.19 Index Index_log_type of the table 资金变动记录表

5.2.1.18.19.1 Card of the index Index_log_type of the table 资金变动记录表

Name	Index_log_type
Code	Index_log_type

Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	资金变动记录表

5.2.1.18.19.2 Code preview of the index Index_log_type of the table 资金变动记录表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_log_type                                        */
/*==============================================================*/
create index Index_log_type on ct_finance_log
(
   type
);
```

5.2.1.18.19.3 List of index columns of the table index Index_log_type

Name	*Code*	*Sort*
变动操作	type	Ascending

5.2.1.18.19.4 List of extended attributes of the table index Index_log_type

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7

5.2.1.19 Table 资金预存表

5.2.1.19.1 Card of table 资金预存表

Name	资金预存表
Code	ct_finance_store
DBMS	MySQL 5.7

5.2.1.19.2 Check constraint name of the table 资金预存表

TK_ct_finance_store

5.2.1.19.3 Server validation rule of the table 资金预存表

%RULES%

5.2.1.19.4 Options of the table 资金预存表

engine = InnoDB

5.2.1.19.5 Code preview of the table 资金预存表

```
use coal_trading;

drop table if exists ct_finance_store;

/*==============================================================*/
/* Table: ct_finance_store                                      */
/*==============================================================*/
create table ct_finance_store
(
   id                   bigint(20) not null auto_increment comment '预存ID',
   user_id              bigint(20) not null comment '财务用户ID',
```

```
  date              datetime default CURRENT_TIMESTAMP comment '变动时间',
  quantity           decimal(10,2) comment '金额数量',
  cert              varchar(255) comment '交易凭证（文件）',
  status             enum('1','2','3') comment '预存状态：
        1. 待审核
        2. 驳回（审核不通过）
        3. 审核通过',
  primary key (id)
)
engine = InnoDB;

alter table ct_finance_store comment '资金预存表';

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create index Index_user_id on ct_finance_store
(
  user_id
);

alter table ct_finance_store add constraint FK_UF_REF_USER foreign key (user_id)
    references ct_users (id) on delete restrict on update restrict;
```

5.2.1.19.6 List of diagrams containing the table 资金预存表

Name	*Code*
国煤交易系统	pdp

5.2.1.19.7 List of outgoing references of the table 资金预存表

Name	*Code*	*Foreign Key Columns*
UF_REF_USER	UF_REF_USER	财务用户ID

5.2.1.19.8 List of all dependencies of the table 资金预存表

Name	*Code*	*Class Name*
UF_REF_USER	UF_REF_USER	Reference

5.2.1.19.9 List of extended attributes of the table 资金预存表

Name	*Data Type*	*Value*	*Target Name*
Temporary	(Boolean)	false	MySQL 5.7

5.2.1.19.10 List of columns of the table 资金预存表

Name	*Code*
预存ID	id
财务用户ID	user_id
提交时间	date
金额数量	quantity
交易凭证（文件）	cert
预存状态	status

5.2.1.19.11 Column 预存ID of the table 资金预存表

5.2.1.19.11.1 Card of the column 预存ID of the table 资金预存表

Name	预存ID
Code	id
Data Type	bigint(20)

Mandatory	Yes

5.2.1.19.11.2 Check constraint name of the column 预存ID of the table 资金预存表

CK_id

5.2.1.19.11.3 Check of the column 预存ID of the table 资金预存表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.19.11.4 Server validation rule of the column 预存ID of the table 资金预存表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.19.11.5 List of all dependencies of the table column 预存ID

Name	*Code*	*Class Name*
Key_1	Key_1	Key

5.2.1.19.11.6 List of extended attributes of the table column 预存ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.19.12 Column 财务用户ID of the table 资金预存表

5.2.1.19.12.1 Card of the column 财务用户ID of the table 资金预存表

Name	财务用户ID
Code	user_id
Data Type	bigint(20)
Mandatory	Yes

5.2.1.19.12.2 Check constraint name of the column 财务用户ID of the table 资金预存表

CK_user_id

5.2.1.19.12.3 Check of the column 财务用户ID of the table 资金预存表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.19.12.4 Server validation rule of the column 财务用户ID of the table 资金预存表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.19.12.5 List of all dependencies of the table column 财务用户ID

Name	*Code*	*Class Name*
?	?	Reference Join
财务用户ID	user_id	Index Column

5.2.1.19.12.6 List of extended attributes of the table column 财务用户ID

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.19.13 Column 提交时间 of the table 资金预存表

5.2.1.19.13.1 Card of the column 提交时间 of the table 资金预存表

Name	提交时间
Code	date
Data Type	datetime
Mandatory	No

5.2.1.19.13.2 Check constraint name of the column 提交时间 of the table 资金预存表

CK_date

5.2.1.19.13.3 Check of the column 提交时间 of the table 资金预存表

Minimum Value	
Maximum Value	
Default Value	CURRENT_TIMESTAMP
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.19.13.4 Server validation rule of the column 提交时间 of the table 资金预存表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.19.13.5 List of extended attributes of the table column 提交时间

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.19.14 Column 金额数量 of the table 资金预存表

5.2.1.19.14.1 Card of the column 金额数量 of the table 资金预存表

Name	金额数量
Code	quantity
Data Type	decimal(10,2)

Mandatory	No

5.2.1.19.14.2 Check constraint name of the column 金额数量 of the table 资金预存表

CK_quantity

5.2.1.19.14.3 Check of the column 金额数量 of the table 资金预存表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.19.14.4 Server validation rule of the column 金额数量 of the table 资金预存表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.19.14.5 List of extended attributes of the table column 金额数量

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.19.15 Column 交易凭证（文件） of the table 资金预存表

5.2.1.19.15.1 Card of the column 交易凭证（文件） of the table 资金预存表

Name	交易凭证（文件）
Code	cert
Data Type	varchar(255)
Mandatory	No

5.2.1.19.15.2 Check constraint name of the column 交易凭证（文件） of the table 资金预存表

CK_cert

5.2.1.19.15.3 Check of the column 交易凭证（文件） of the table 资金预存表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.19.15.4 Server validation rule of the column 交易凭证（文件） of the table 资金预存表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.19.15.5 List of extended attributes of the table column 交易凭证（文件）

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7

Name	*Data Type*	*Value*	*Target Name*
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.19.16 Column 预存状态 of the table 资金预存表

5.2.1.19.16.1 Card of the column 预存状态 of the table 资金预存表

Name	预存状态
Code	status
Data Type	enum('1','2','3')
Mandatory	No

5.2.1.19.16.2 Check constraint name of the column 预存状态 of the table 资金预存表

CK_status

5.2.1.19.16.3 Check of the column 预存状态 of the table 资金预存表

Minimum Value	
Maximum Value	
Default Value	
Unit	
Format	
Cannot Modify	No
List Of Values	

5.2.1.19.16.4 Server validation rule of the column 预存状态 of the table 资金预存表

%MINMAX% and %LISTVAL% and %CASE% and %RULES%

5.2.1.19.16.5 List of extended attributes of the table column 预存状态

Name	*Data Type*	*Value*	*Target Name*
CharSet	CharSets		MySQL 5.7
Collate	(String)		MySQL 5.7
National	(Boolean)	false	MySQL 5.7
Unsigned	(Boolean)	false	MySQL 5.7
ZeroFill	(Boolean)	false	MySQL 5.7

5.2.1.19.17 List of keys of the table 资金预存表

Name	*Code*	*Primary*
Key_1	Key_1	X

5.2.1.19.18 Key Key_1 of the table 资金预存表

5.2.1.19.18.1 Card of the key Key_1 of the table 资金预存表

Name	Key_1
Code	Key_1
Table	资金预存表

5.2.1.19.18.2 Code preview of the key Key_1 of the table 资金预存表

```
use coal_trading;

alter table ct_finance_store
   drop primary key;
```

5.2.1.19.18.3 List of columns of the table key Key_1

Name	*Code*
预存ID	id

5.2.1.19.18.4 List of extended attributes of the table key Key_1

Name	*Data Type*	*Value*	*Target Name*
ExtUnique	(Boolean)	false	MySQL 5.7

5.2.1.19.19 List of indexes of the table 资金预存表

Name	*Code*	*Unique*	*Cluster*	*Primary*	*Foreign Key*	*Alternate Key*
Index_user_id	Index_user_id					

5.2.1.19.20 Index Index_user_id of the table 资金预存表

5.2.1.19.20.1 Card of the index Index_user_id of the table 资金预存表

Name	Index_user_id
Code	Index_user_id
Unique	No
Cluster	No
Primary	No
Foreign Key	No
Alternate Key	No
Table	资金预存表

5.2.1.19.20.2 Code preview of the index Index_user_id of the table 资金预存表

```
use coal_trading;

use coal_trading;

/*==============================================================*/
/* Index: Index_user_id                                         */
/*==============================================================*/
create index Index_user_id on ct_finance_store
(
   user_id
);
```

5.2.1.19.20.3 List of index columns of the table index Index_user_id

Name	*Code*	*Sort*
财务用户ID	user_id	Ascending

5.2.1.19.20.4 List of extended attributes of the table index Index_user_id

Name	*Data Type*	*Value*	*Target Name*
FullText	(Boolean)	false	MySQL 5.7