

## 表结构

```
CREATE TABLE `ofUser` (  
  `username` varchar(64) NOT NULL,  
  `plainPassword` varchar(32) DEFAULT NULL,  
  `encryptedPassword` varchar(255) DEFAULT NULL,  
  `name` varchar(100) CHARACTER SET utf8mb4 DEFAULT NULL,  
  `email` varchar(100) DEFAULT NULL,  
  `phone` varchar(64) DEFAULT NULL,  
  `isEmailBind` tinyint(4) NOT NULL DEFAULT '1',  
  `isPhoneBind` tinyint(4) NOT NULL DEFAULT '1',  
  `tenementId` varchar(64) DEFAULT NULL,  
  `role` varchar(32) DEFAULT NULL,  
  `status` varchar(64) DEFAULT NULL,  
  `clientEnabled` tinyint(4) DEFAULT '1',  
  `ntxDomainId` varchar(255) DEFAULT NULL,  
  `sipAccount` varchar(255) DEFAULT NULL,  
  `creationDate` char(15) NOT NULL,  
  `modificationDate` char(15) NOT NULL,  
  `customId` varchar(255) DEFAULT NULL,  
  `activeDate` bigint(15) DEFAULT '0',  
  `deleteDate` bigint(15) DEFAULT '0',  
  `platformId` varchar(255) NOT NULL DEFAULT '',  
  `mobileAuth` int(2) DEFAULT '1',  
  `isMobileAuth` int(2) DEFAULT '1' COMMENT '手机号码认证',  
  PRIMARY KEY (`username`),  
  KEY `ofUser_cDate_idx` (`creationDate`),  
  KEY `ofUser_sipAccount_idx` (`sipAccount`(10)),  
  KEY `ofUser_phone_idx` (`phone`(11)),  
  KEY `ofUser_email_idx` (`email`(10)),  
  KEY `ofUser_customId` (`customId`(32)),  
  KEY `ofUser_name` (`name`(16)),  
  KEY `ofUser_status_idx` (`status`(4)),  
  KEY `ofUser_idx_paltformId` (`platformId`(10))  
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

```
CREATE TABLE `ucTenementMember` (  
  `tenementId` varchar(64) NOT NULL,  
  `username` varchar(64) NOT NULL,  
  `alias` varchar(255) NOT NULL DEFAULT '',  
  `role` varchar(64) NOT NULL,  
  `status` varchar(64) NOT NULL,  
  `createDate` bigint(15) DEFAULT '0',  
  `joinedDate` bigint(15) DEFAULT '0',  
  PRIMARY KEY (`tenementId`, `username`),  
  KEY `ucTenementMember` (`username`) USING BTREE,  
  KEY `ucTenementMember_tenementId` (`tenementId`) USING BTREE,  
  KEY `alias` (`alias`(32))  
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

```
CREATE TABLE `ucVCardItem` (  
  `username` varchar(64) NOT NULL,  
  `itemId` varchar(64) NOT NULL,  
  `tenementId` varchar(64) NOT NULL,  
  `value` mediumtext CHARACTER SET utf8mb4 NOT NULL,  
  PRIMARY KEY (`username`, `itemId`, `tenementId`),  
  KEY `ucVCardItem_itemId_tenementId` (`itemId`(10), `tenementId`(16))  
) ENGINE=InnoDB DEFAULT CHARSET=utf8
```

## 慢SQL

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1

sql

```
explain SELECT distinct t.username
FROM ofUser as t
INNER JOIN (SELECT username
FROM ucTenementMember
WHERE (tenementId IN ('880006')))) AS tm ON t.username = tm.username
WHERE (t.username NOT IN ('u1000014','u1000148'))
AND (status!='lock')
AND (t.username in(SELECT username
FROM ofUser
WHERE (t.username='u1000014')
OR (customId='')
OR (phone='')
OR (email='dyqx@126.com')
OR (sipAccount='u1000014')
OR (name LIKE '唐诗雅')
OR (username in(SELECT username
FROM ucVCardItem
WHERE (itemId='extTelephone' AND value='5002' AND tenementId='880006'))))) LIMIT 1,10
```

执行计划

id	select_type	table	type	possible_keys	key	key_len	ref	rows	Extra
1	PRIMARY	<derived2>	ALL	(Null)	(Null)	(Null)	(Null)	1700	Using where; Using temporary
1	PRIMARY	t	eq_ref	PRIMARY,ofUser_status_ic	PRIMARY	194	tm.username	1	Using where
3	DEPENDENT SUBQUERY	ofUser	unique_subquery	PRIMARY,ofUser_sipAcco	PRIMARY	194	func	1	Using where
4	DEPENDENT SUBQUERY	ucVCardItem	unique_subquery	PRIMARY,ucVCardItem_it	PRIMARY	582	func,const,const	1	Using where
2	DERIVED	ucTenementMember	ref	PRIMARY,ucTenementMe	ucTenementMember_tenr	194		1699	Using where; Using index

2

sql

```
explain SELECT distinct t.username
FROM ofUser as t
WHERE (t.username in(SELECT username
FROM ofUser
WHERE (username in(SELECT username
FROM ucVCardItem
WHERE (itemId='extTelephone' AND value='5002' AND tenementId='880006')))))
```

执行计划

id	select_type	table	type	possible_keys	key	key_len	ref	rows	Extra
1	PRIMARY	t	index	(Null)	ofUser_cDate_idx	45	(Null)	78217	Using where; Using index
2	DEPENDENT SUBQUERY	ofUser	unique_subquery	PRIMARY	PRIMARY	194	func	1	Using index; Using where
3	DEPENDENT SUBQUERY	ucVCardItem	unique_subquery	PRIMARY,ucVCardItem_it	PRIMARY	582	func,const,const	1	Using where