# 骨干管理系统接口文档

1. **登录模块**
   1. **用户登录**

请求URL: /auth/loginIn

请求方式: post

请求参数: {"employeeID": "100004","password": "123456"}

响应参数: {

"status": 0,

"message": "登录成功",

"data": null

}

* 1. **用户登出**

请求URL: auth/logout

请求方式: post

请求参数: 无

响应参数: /logout

1. **菜单管理模块**
   1. **[查询的所有菜单列表](http://localhost:8083/swagger-ui.html" \l "!/337562133331649297022716922359/getAllMenuListUsingPOST)**

请求URL: /hrbp/menuManage/getAllMenuList

请求方式: post

请求参数: 无

响应参数: {

"data": [{

"menuId": 1,

"menuName": "Login",

"parentId": 0,

"note": "登录"

},

{

"menuId": 2,

"menuName": "ReportShow",

"parentId": 0,

"note": "报表展示"

},

{

"menuId": 201,

"menuName": "StoneReport",

"parentId": 2,

"note": "骨干报表"

},

{

"menuId": 3,

"menuName": "StaffManagement",

"parentId": 0,

"note": "人员管理"

},

{

"menuId": 301,

"menuName": "StaffInformation",

"parentId": 3,

"note": "员工详情"

},

{

"menuId": 4,

"menuName": "ProjectManagement",

"parentId": 0,

"note": "项目管理"

},

{

"menuId": 401,

"menuName": "ProjectSetUp",

"parentId": 4,

"note": "项目组设置"

},

{

"menuId": 5,

"menuName": "OrganizationStructure",

"parentId": 0,

"note": "组织架构"

},

{

"menuId": 501,

"menuName": "BusinessSystem",

"parentId": 5,

"note": "业务体系"

},

{

"menuId": 502,

"menuName": "StaffSystem",

"parentId": 5,

"note": "人力体系"

},

{

"menuId": 6,

"menuName": "TrainingPlan",

"parentId": 0,

"note": "培养计划"

},

{

"menuId": 601,

"menuName": "TrainSetUp",

"parentId": 6,

"note": "培养设置"

},

{

"menuId": 602,

"menuName": "ExaminationAffairsSetUp",

"parentId": 6,

"note": "考核事务设置"

},

{

"menuId": 603,

"menuName": "ExaminationRoleSetUp",

"parentId": 6,

"note": "考核规则设置"

},

{

"menuId": 604,

"menuName": "OpeningSetUp",

"parentId": 6,

"note": "开班设置"

},

{

"menuId": 605,

"menuName": "ExaminationSetUp",

"parentId": 6,

"note": "考试设置"

},

{

"menuId": 606,

"menuName": "ResultShow",

"parentId": 6,

"note": "成绩展示"

},

{

"menuId": 7,

"menuName": "System",

"parentId": 0,

"note": "系统设置"

},

{

"menuId": 701,

"menuName": "RoleSetUp",

"parentId": 7,

"note": "角色设置"

},

{

"menuId": 702,

"menuName": "UserManagement",

"parentId": 7,

"note": "登录用户管理"

},

{

"menuId": 703,

"menuName": "BackUpRestore",

"parentId": 7,

"note": "备份与还原"

},

{

"menuId": 704,

"menuName": "LogManagement",

"parentId": 7,

"note": "日志管理"

}],

"success": true

}

* 1. **根据用户账号查询菜单列表**

请求URL: /hrbp/menuManage/getMenuTreeByEmpID

请求方式: post

请求参数: {"employeeID":"100379"}

响应参数: {

"data": [{

"menuId": 3,

"menuName": "StaffManagement",

"parentId": 0,

"note": "人员管理"

},

{

"menuId": 4,

"menuName": "ProjectManagement",

"parentId": 0,

"note": "项目管理"

},

{

"menuId": 5,

"menuName": "OrganizationStructure",

"parentId": 0,

"note": "组织架构"

},

{

"menuId": 6,

"menuName": "TrainingPlan",

"parentId": 0,

"note": "培养计划"

},

{

"menuId": 301,

"menuName": "StaffInformation",

"parentId": 3,

"note": "员工详情"

},

{

"menuId": 401,

"menuName": "ProjectSetUp",

"parentId": 4,

"note": "项目组设置"

},

{

"menuId": 501,

"menuName": "BusinessSystem",

"parentId": 5,

"note": "业务体系"

},

{

"menuId": 502,

"menuName": "StaffSystem",

"parentId": 5,

"note": "人力体系"

},

{

"menuId": 601,

"menuName": "TrainSetUp",

"parentId": 6,

"note": "培养设置"

},

{

"menuId": 602,

"menuName": "ExaminationAffairsSetUp",

"parentId": 6,

"note": "考核事务设置"

},

{

"menuId": 603,

"menuName": "ExaminationRoleSetUp",

"parentId": 6,

"note": "考核规则设置"

},

{

"menuId": 604,

"menuName": "OpeningSetUp",

"parentId": 6,

"note": "开班设置"

},

{

"menuId": 605,

"menuName": "ExaminationSetUp",

"parentId": 6,

"note": "考试设置"

},

{

"menuId": 606,

"menuName": "ResultShow",

"parentId": 6,

"note": "成绩展示"

}],

"success": true

}

* 1. **根据用户角色查询菜单列表**

请求URL: /hrbp/menuManage/getMenuTreeByRoleId

请求方式: post

请求参数: {"roleId":2}

响应参数: {

"data": [{

"menuId": 3,

"menuName": "StaffManagement",

"parentId": 0,

"note": "人员管理"

},

{

"menuId": 301,

"menuName": "StaffInformation",

"parentId": 3,

"note": "员工详情"

},

{

"menuId": 4,

"menuName": "ProjectManagement",

"parentId": 0,

"note": "项目管理"

},

{

"menuId": 401,

"menuName": "ProjectSetUp",

"parentId": 4,

"note": "项目组设置"

},

{

"menuId": 5,

"menuName": "OrganizationStructure",

"parentId": 0,

"note": "组织架构"

},

{

"menuId": 501,

"menuName": "BusinessSystem",

"parentId": 5,

"note": "业务体系"

},

{

"menuId": 502,

"menuName": "StaffSystem",

"parentId": 5,

"note": "人力体系"

},

{

"menuId": 6,

"menuName": "TrainingPlan",

"parentId": 0,

"note": "培养计划"

},

{

"menuId": 601,

"menuName": "TrainSetUp",

"parentId": 6,

"note": "培养设置"

},

{

"menuId": 602,

"menuName": "ExaminationAffairsSetUp",

"parentId": 6,

"note": "考核事务设置"

},

{

"menuId": 603,

"menuName": "ExaminationRoleSetUp",

"parentId": 6,

"note": "考核规则设置"

},

{

"menuId": 604,

"menuName": "OpeningSetUp",

"parentId": 6,

"note": "开班设置"

},

{

"menuId": 605,

"menuName": "ExaminationSetUp",

"parentId": 6,

"note": "考试设置"

},

{

"menuId": 606,

"menuName": "ResultShow",

"parentId": 6,

"note": "成绩展示"

}],

"success": true

}

1. **系统角色模块**
   1. **添加角色并授权**

请求URL: /hrbp/system/addRole

请求方式: post

请求参数: {

"sysRole": {

"roleName": "游客登录",

"description": "游客登录,查看报表"

},

"menuInfoList": [{

"menuId": 2

},

{

"menuId": 201

}]

}

响应参数:{"message":"添加角色并授权ok","success":true}

* 1. **删除角色菜单**

请求URL: /hrbp/system/deleteSystemRole

请求方式: post

请求参数: {"roleId":8}

响应参数: {"message":"删除角色菜单成功","success":true}

* 1. **查询系统角色**

请求URL: /hrbp/system/queryAllRoles

请求方式: post

请求参数: 无

响应参数:{

"data": [{

"roleId": 1,

"roleName": "管理员",

"roleKey": "admin",

"roleSort": 1,

"createTime": 1543126180000,

"description": "系统设置"

},

{

"roleId": 2,

"roleName": "信息录入员",

"roleKey": "pm",

"roleSort": 3,

"createTime": 1543126180000,

"description": "负责成绩设置"

},

{

"roleId": 3,

"roleName": "guess",

"roleKey": "guess",

"roleSort": 4,

"createTime": 1543396994000,

"description": "查看报表"

}],

"success": true

}

* 1. **更新角色菜单**

请求URL: /hrbp/system/updateSystemRole

请求方式: post

请求参数: {

"sysRole": {

"roleId" :8,

"roleName": "游客登录",

"description": "某游客登录,再看看报表"

},

"menuInfoList": [{

"menuId": 2

},

{

"menuId": 201

},

{

"menuId": 3

},

{

"menuId": 301

}]

}

响应参数:{"message":"更新角色菜单ok","success":true}

1. **用户管理模块**
   1. **删除用户角色**

请求URL: /hrbp/user/deleteUserRole

请求方式: post

请求参数: {"employeeID":"174807"}

响应参数: {"message":"删除成功","success":false}

* 1. **获取所有用户信息**

请求URL: /hrbp/user/findEmpInformation

请求方式: post

请求参数: {

"currPage": 1,

"pageSize": 2,

"sortColumn": "employee\_name",

"sortType": "desc"

}

响应参数:{

"data": {

"pageNum": 1,

"pageSize": 2,

"size": 2,

"startRow": 1,

"endRow": 2,

"total": 6,

"pages": 3,

"list": [{

"employeeName": "韩伟",

"employeeID": "100379",

"pdu": "网络安全与隐私保护实验室（CSPL）",

"positionRole": "开发",

"roleName": "信息录入员"

},

{

"employeeName": "赵为波",

"employeeID": "100553",

"pdu": "GENEX产品部",

"positionRole": "其他",

"roleName": "guess"

}],

"prePage": 0,

"nextPage": 2,

"isFirstPage": true,

"isLastPage": false,

"hasPreviousPage": false,

"hasNextPage": true,

"navigatePages": 8,

"navigatepageNums": [1,

2,

3],

"navigateFirstPage": 1,

"navigateLastPage": 3,

"lastPage": 3,

"firstPage": 1

},

"success": true

}

* 1. **根据用户ID获取用户信息**

请求URL: /hrbp/user/findEmpInformationByEmpId

请求方式: post

请求参数: {"employeeID":"174807"}

响应参数: {

"data": {

"employeeName": "罗帆",

"employeeID": "174807",

"pdu": "GENEX产品部",

"positionRole": "开发",

"roleName": "信息录入员"

},

"success": true

}

* 1. **获取用户信息做标示**

请求URL: /hrbp/user/getEmployee

请求方式: post

请求参数: {"employeeID":"174807"}

响应参数: {

"data": {

"loginID": 11,

"employeeID": "174807",

"employeeName": "罗帆",

"password": "e10adc3949ba59abbe56e057f20f883e",

"roleID": "1",

"picture": null,

"changePwd": null

},

"success": true

}

* 1. **添加用户角色**

请求URL: /hrbp/user/insertUserRole

请求方式: post

请求参数: {

"employeeID": "174807",

"employeeName": "罗帆",

"roleID": 1

}

响应参数:{"message":"添加成功","success":false}

* 1. **模糊查询用户信息**

请求URL: /hrbp/user/queryUserByKeyword

请求方式: post

请求参数: {"keyword":"罗帆"}

响应参数: {

"data": [{

"employeeName": "罗帆",

"employeeID": "174807",

"pdu": "GENEX产品部",

"positionRole": "开发",

"roleName": null

}],

"success": true

}

* 1. **更新用户角色**

请求URL: /hrbp/user/updateUserRole

请求方式: post

请求参数: {"employeeID":"174807","roleID":2}

响应参数: {"message":"更新成功","success":true}

1. **考核事务设置模块**
   1. **添加考核事务**

请求URL: /hrbp/affair/insertAffair

请求方式: post

请求参数: {

"affairName": "header鉴定",

"system": "评价",

"serie": "软通人才",

"du": "2012",

"employeeID":"100004"

}

响应参数:{"message":"添加成功","success":true}

* 1. **修改考核事务**

请求URL: /hrbp/affair/updateAffair

请求方式: post

请求参数: {

"affairID": "10",

"affairName": "header鉴定",

"system": "评价",

"series": "软通人才",

"du": "2012",

"employeeID": "100379"

}

响应参数:{"message":"修改成功","success":true}

* 1. **事务所属系列接口**

请求URL: /hrbp/affair/findExamAffairSeries

请求方式: post

请求参数: 无

响应参数:{

"data": [{

"affairID": 0,

"affairName": null,

"system": null,

"series": "sep计划",

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

},

{

"affairID": 0,

"affairName": null,

"system": null,

"series": "网络安全",

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

},

{

"affairID": 0,

"affairName": null,

"system": null,

"series": "2012",

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

},

{

"affairID": 0,

"affairName": null,

"system": null,

"series": "软通人才",

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

}],

"success": true

}

* 1. **事务所属体系接口**

请求URL: /hrbp/affair/findExamAffairSystem

请求方式: post

请求参数: 无

响应参数: {

"data": [{

"affairID": 0,

"affairName": null,

"system": "管理",

"series": null,

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

},

{

"affairID": 0,

"affairName": null,

"system": "赵晔",

"series": null,

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

},

{

"affairID": 0,

"affairName": null,

"system": "评价",

"series": null,

"du": null,

"employeeID": null,

"createBy": null,

"updateBy": null,

"updateTime": null

}],

"success": true

}

* 1. **获取所有考核事务**

请求URL: /hrbp/affair/findAllAffair

请求方式: post

请求参数: {

"affairName": "",

"system": "评价",

"series": "",

"du": "2012"

}

响应参数:{

"data": [{

"affairID": 10,

"affairName": "header鉴定",

"system": "评价",

"series": "软通人才",

"du": "2012",

"employeeID": null,

"createBy": "贾渊博",

"updateBy": "韩伟",

"updateTime": 1544175131000

}],

"success": true

}

* 1. **根据AffairID获取考核事务**

请求URL: /hrbp/affair/findExamAffairByAffairId

请求方式: post

请求参数: {"affairID":"10"}

响应参数: {

"data": {

"affairID": 10,

"affairName": "header鉴定",

"system": "评价",

"series": "软通人才",

"du": "2012",

"employeeID": null,

"createBy": "贾渊博",

"updateBy": "韩伟",

"updateTime": 1544175131000

},

"success": true

}

* 1. **删除考核事务**

请求URL: /hrbp/affair/deleteAffair

请求方式: post

请求参数: {"affairID":"10"}

响应参数: {"message":"删除成功","success":true}

1. **考核事务维度模块**
   1. **添加事务维度**

请求URL: /hrbp/dimension/insertDimension

请求方式: post

请求参数: {

"examinationAffair": {

"affairID": 5

},

"examinationDimensionList": [{

"dimensionName": "1234",

"mark": 33.0,

"explanation": "就是这样"

},

{

"dimensionName": "123456",

"mark": 44.0,

"explanation": "就是这样啊"

}]

}

响应参数: {"message":"操作成功","success":true}

* 1. **查看所有维度**

请求URL: /hrbp/dimension/queryDimension

请求方式: post

请求参数: {"affairID":5}

响应参数:{

"data": [{

"dimensionID": null,

"dimensionName": "1234",

"mark": 33.0,

"explanation": "就是这样"

},

{

"dimensionID": null,

"dimensionName": "123456",

"mark": 44.0,

"explanation": "就是这样啊"

}],

"success": true

}

1. **开班设置模块**
   1. **获取所有课程**

请求URL: /hrbp/class/queryAllClass

请求方式: post

请求参数: {

"bu": "2012",

"series": "新员工",

"trainingName": "新员工培训",

"trainingType": "公开课",

"lecturer": "晓光",

"startTime": "2018-10-8 00:00:00",

"endTime": "2018-12-12 15:30:22",

"pageInfo": {

"currPage": 1,

"pageSize": 1,

"sortColumn": "",

"sortType": "desc"

}

}

响应参数: {

"data": {

"pageNum": 1,

"pageSize": 2,

"size": 1,

"startRow": 1,

"endRow": 1,

"total": 1,

"pages": 1,

"list": [{

"openingID": 0,

"system": null,

"bu": "2012",

"series": null,

"trainingName": "百人安全意识培训",

"openingName": "百人安全意识培训",

"lecturer": "罗帆",

"trainingTime": 1544435236000,

"trainingType": "公开课",

"language": 0,

"classType": null,

"address": null,

"download": null,

"online": null,

"galleryful": 0,

"isExam": 0,

"publisher": null,

"telephone": null,

"enrollMethod": 0,

"notice": null,

"openingStatus":1

}],

"prePage": 0,

"nextPage": 0,

"isFirstPage": true,

"isLastPage": true,

"hasPreviousPage": false,

"hasNextPage": false,

"navigatePages": 8,

"navigatepageNums": [1],

"navigateFirstPage": 1,

"navigateLastPage": 1,

"firstPage": 1,

"lastPage": 1

},

"success": true

}

* 1. **删除开课项**

请求URL: /hrbp/class/deleteClass

请求方式: post

请求参数: {"openingID":16}

响应参数: {"data":"删除成功","success":true}

* 1. **根据openingID获取开课项**

请求URL: /hrbp/class/findClassByID

请求方式: post

请求参数: {"openingID":15}

响应参数:{

"data": {

"openingID": 15,

"system": "管理",

"bu": "无线网络",

"series": "质量安全",

"trainingName": "质量安全培训",

"openingName": "质量安全培训第一期",

"lecturer": "zhaoye",

"trainingTime": "2018-12-10 21:19:23",

"trainingType": "公开课",

"language": 1,

"classType": "在线",

"address": null,

"download": "www.baidu.com",

"online": "www.baidu.com",

"galleryful": 80,

"isExam": 1,

"publisher": "lixiang",

"telephone": "1242526733",

"enrollMethod": 1,

"notice": "非一般的体验",

"openingStatus":1

},

"success": true

}

* 1. **添加开课项**

请求URL: /hrbp/class/insertClass

请求方式: post

请求参数: {

"system": "管理",

"bu": "无线网络",

"series": "质量安全",

"trainingName": "质量安全培训",

"openingName": "质量安全培训第一期",

"lecturer": "zhaoye",

"trainingTime": 1544447963737,

"trainingType": "公开课",

"language": 1,

"address": "",

"online": "",

"galleryful": 80,

"isExam": 1,

"publisher": "lixiang",

"telephone": "1242526733",

"enrollMethod": 1,

"notice": "非一般的体验",

}

响应参数:{"data":"添加成功","success":true}

* 1. **更新开课项**

请求URL: /hrbp/class/updateClass

请求方式: post

请求参数: {

"openingID":15,

"system": "管理",

"bu": "无线网络",

"series": "质量安全",

"trainingName": "质量安全培训",

"openingName": "质量安全培训第一期",

"lecturer": "zhaoye",

"trainingTime": 1544447963737,

"trainingType": "公开课",

"language": 1,

"address": "",

"online": "",

"galleryful": 80,

"isExam": 1,

"publisher": "lixiang",

"telephone": "1242526733",

"enrollMethod": 1,

"notice": "非一般的体验",

}

响应参数:{"data":"更新成功","success":true}

1. **考试设置模块** 
   1. **获取所有考试项**

请求URL: /hrbp/examinaiton/queryAllExamination

请求方式: post

请求参数: {

"bu": "2012",

"series": "新员工",

"trainingName": "新员工培训",

"trainingType": "公开课",

"startTime": "2018-10-10 00:00:00",

"endTime": "2018-12-12 15:30:22",

"pageInfo": {

"currPage": 1,

"pageSize": 2,

"sortColumn": "",

"sortType": ""

}

}

响应参数:{

"data": {

"pageNum": 1,

"pageSize": 2,

"size": 1,

"startRow": 1,

"endRow": 1,

"total": 1,

"pages": 1,

"list": [{

"examinationID": 2,

"series": "新员工",

"bu": "2012",

"trainingType": "公开课",

"trainingName": "新员工培训第二期",

"language": "1",

"timeType": "时间点",

"examinationStartTime": 1544508000000,

"examinationEndTime": null,

"examinationType": "开卷",

"examinationStyle": "在线",

"address": "www.baidu.com",

"standard": "80分及格",

"publisher": "罗帆",

"notice": "欢迎大家参加新员工培训考试",

"examinationStatus":3

}],

"prePage": 0,

"nextPage": 0,

"isFirstPage": true,

"isLastPage": true,

"hasPreviousPage": false,

"hasNextPage": false,

"navigatePages": 8,

"navigatepageNums": [1],

"navigateFirstPage": 1,

"navigateLastPage": 1,

"firstPage": 1,

"lastPage": 1

},

"success": true

}

**8.2添加考试项**

请求URL: /hrbp/examinaiton/insertExamination

请求方式: post

请求参数: {

"series": "将军学院",

"bu": "核心网",

"trainingType": "公开课",

"trainingName": "百人实施计划",

"language": "1",

"timeType": "时间段",

"examinationStartTime": 1544508000000,

"examinationEndTime": 1544447963737,

"examinationType": "闭卷",

"examinationStyle": "线下",

"address": "",

"standard": "80分及格",

"publisher": "光少",

"notice": "欢迎光少莅临将军学院"

}

响应参数:{"data":"添加成功!","success":true}

**8.3修改考试项**

请求URL: /hrbp/examinaiton/updateExamination

请求方式: post

请求参数: {

"examinationID":5,

"series": "将军学院",

"bu": "核心网",

"trainingType": "选修课",

"trainingName": "百人实施计划",

"language": 1,

"timeType": "时间段",

"examinationStartTime": 1544508000000,

"examinationEndTime": 1544447963737,

"examinationType": "闭卷",

"examinationStyle": "线下",

"address": "",

"standard": "85分及格",

"publisher": "光少",

"notice": "欢迎光少莅临将军学院"

}

响应参数:{"data":"更新成功!","success":true}

**8.4 根据examinationID获取考试项**

请求URL: /hrbp/examinaiton/queryExaminationByID

请求方式: post

请求参数: {"examinationID":6}

响应参数: {

"data": {

"examinationID": 6,

"series": "将军学院",

"bu": "核心网",

"trainingType": "公开课",

"trainingName": "百人实施计划",

"language": 1,

"timeType": "时间段",

"examinationStartTime": "2018-12-11 14:00:00",

"examinationEndTime": "2018-12-10 21:19:23",

"examinationType": "闭卷",

"examinationStyle": "线下",

"address": null,

"standard": "80分及格",

"publisher": "光少",

"notice": "欢迎光少莅临将军学院",

"examinationStatus":3

},

"success": true

}

**8.5 删除考试项**

请求URL: /hrbp/examinaiton/deleteExamination

请求方式: post

请求参数: {"examinationID":6}

响应参数: {"data":"删除成功","success":true}

1. **考核规则设置模块**
   1. **保存关键角色**

请求URL: /hrbp/eRules/saveSpecialRole

请求方式: post

请求参数: {

"roleId": -1,

"roleName": "po",

"system": "管理",

"creatorId": 10008611,

"creatorName": "张一"

}

响应参数:{"message":"保存关键角色成功","success":true}

* 1. **查询所有关键角色**

请求URL: /hrbp/eRules/querySpecialRolesInfo

请求方式: post

请求参数: {

"bu": "",

"system": "管理",

"roleName": "po"

}

响应参数:{

"data": [{

"roleId": 12,

"roleName": "po",

"system": "管理",

"creatorId": "10008611",

"creatorName": "10008611",

"createTime": 1544198400000,

"updateStaffId": null,

"updateStaffName": null,

"updateTime": null

}],

"success": true

}

* 1. **储存考核规则**

请求URL: /hrbp/eRules/saveExaminationRulesInfo

请求方式: post

请求参数: {

"bu": null,

"du": null,

"pdu": null,

"cu": null,

"area": null,

"system": null,

"roleName": null,

"oneRule": {

"ruleId": 12,

"roleId": 12,

"roleLevel": "高级",

"creatorId": "10008611",

"creatorName": "张一路",

"createTime": null,

"updateStaffId": null,

"updateStaffName": null,

"updateTime": null

},

"singleRuleInfo": [{

"ruleId": 12,

"itemId": 1,

"itemType": 1,

"itemName": "信息安全培训",

"credit": 2,

"pass": 80

},

{

"ruleId": 12,

"itemId": 2,

"itemType": 1,

"itemName": "骨干MDE培训",

"credit": 5,

"pass": 90

}]

}

响应参数:

* 1. **查询所有考核规则**
  2. **查询单项规则**
  3. **删除关键角色**
  4. **删除考核规则**