客户端发送请求(都是post方式请求)：

[http://127.0.0.1:8000/](http://127.0.0.1:8000/printcontent)

以下接口3、5、9、10标识了(目前此请求不发送)表明此接口从客户端本地获取信息。

**2020.9.3更改：**取消了接口12(更新本地相关信息)中的主机描述字段"csldesc"；

## 系统登录

|  |  |  |
| --- | --- | --- |
| Interface: | /login | RBAC\_Login |
| Request Json: | {"user": "","role": "","psw": "","console":"", #主机名"reqtype":0,"tokenid": "" #切换用户时使用} | 也用于命令式登录RBAC\_InitUserInfo；“role”为空时是命令式登录，默认选择内存块中用户信息第一个角色；"reqtype"：0表示登陆,1表示退出,2表示锁定,3表示切换用户 |
| Response Json: | {"result":200,"errorinfo":"","typeurl":"login","tokenid": ""} | "errorinfo":表示返回的错误信息(成功时显示“成功”)，此字段一下接口含义相同"result":200表示成功 |

## 系统登出

|  |  |  |
| --- | --- | --- |
| Interface: | /loginout | RBAC\_Logout |
| Request Json: | {" tokenid ": ""} | 登出用户标识符，以删除此用户登录信息 |
| Response Json: | {"result": ,"errorinfo":"","typeurl":"loginout",} |  |

## 验证系统权限(目前此请求不发送)

|  |  |  |
| --- | --- | --- |
| Interface: | /checkprivilege | RBAC\_CheckPrivilege |
| Request Json: | {"privilege": "", #需要验证权限" tokenid ": ""} | "privilege": "", #需要验证权限，如调度员权限 |
| Response Json: | {"result": ,"errorinfo":"","typeurl":"checkprivilege",} |  |

## 获取角色控制优先级

|  |  |  |
| --- | --- | --- |
| Interface: | /getroleplevel | RBAC\_GetRolePLevel |
| Request Json: | {"tokenid": "","role": "","ulogin":"", #当前用户名"rlogin":"" #当前角色名"clogin":"" #主机名} | "role"不为空，获取指定角色名的Plevel；否则根据”tokenid”获取本地节点角色的Plevel |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getroleplevel","plevel": [1,2,3]} | "result"为200(成功)时"plevel"有效1-Switch;2-PTZ;3-PA |

## 获取用户角色代码和描述信息(目前此请求不发送)

|  |  |  |
| --- | --- | --- |
| Interface: | /getuserandroleinfo | RBAC\_GetUserRoleDescription |
| Request Json: | {" tokenid ":"" ," user ": ""," role ": ""} | 'tokenid'不为0，表示获取本地节点信息(优先级低)；'user'不为空获取指定用户的描述否则此登录用户；'role'不为空获取指定角色的描述 |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getuserandroleinfo","user": "","userdesc": "","role": "","roledesc": ""} |  |

## 获取用户角色列表信息，界面初始化调用

|  |  |  |
| --- | --- | --- |
| Interface: | /getalluserandpsw | 登录框下拉列表 |
| Request Json: | {" tokenid ":"" } | "tokenid":当前用户信息，在ehmi锁定时用得到，显示锁定的当前用户 |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getalluserandpsw","usernow":"","rolenow":"","rolelist": [ #无则为0 {"role": "","roledesc": "","privilege": "","plevel": [1,2,3]}],"userlist":[ #无则为0{ "user": "", "userdesc": "","rolearray": ["",""], #无则为0"unactive": #注销}]} | 获取所有用户名、描述，用于选择下拉列表信息(用于如 RBAC\_Login)，以及返回可能存在的当前登录的用户和角色代码;ehqxgl.exe初始化时使用"privilege": 返回以点号分割的字符串，比如".abc.adc" |

|  |  |  |
| --- | --- | --- |
| Interface: | /getalluserandpsw(弃用) | 登录框下拉列表 |
| Request Json: | {" tokenid ": } | "tokenid":当前用户信息 |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getalluserandpsw","usernow":"","rolenow":"","rolenum": 10,"rolelist": [ {"role": "","roledesc": "", "userlist":[{ "user": """userdesc": ""}]}]} | 获取所有用户名、描述以及密码，用于选择下拉列表信息(用于如 RBAC\_SpecLogin)，以及返回可能存在的当前登录的用户和角色代码 |

## 获取指定角色对应的角色描述、系统权限描述、权限区域描述

|  |  |  |
| --- | --- | --- |
| Interface: | /getaboutroledesc |  |
| Request Json: | {" tokenid ": "" ,"role": ""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getaboutroledesc","roledesc": "","privilegedesc": "","aojdesc": ""} | 用于如RBAC\_GetRoleDescription"privilegedesc"和"aojdesc"都是以点号分割的字符串 |

## 获取指定节点(主机名)对应的描述(验证是否有此节点)

|  |  |  |
| --- | --- | --- |
| Interface: | /getconsoledesc |  |
| Request Json: | { " tokenid ": "","console": ""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getconsoledesc","consoledesc": ""} | 用于如AOJ\_GetConsoleDesc |

## 获取指定权限区域id(数组)的描述集合或者当前登录用户的权限区域描述集合(目前此请求不发送)

|  |  |  |
| --- | --- | --- |
| Interface: | /getaojdesc |  |
| Request Json: | {" tokenid ": "",（字符串）"aojid": [1,2,3…]} | 若"aojid"为-1，表示获取当前用户的aojDesc |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getaojdesc","aojdesc": ""} | 用于如AOJ\_GetDescription"aojdesc":以点号分割的字符串 |

## 获取当前用户指定权限区域权限的权限区域id集合,有验证aojsupervision权限作用(目前此请求不发送)

|  |  |  |
| --- | --- | --- |
| Interface: | /getaojid | 本地节点的aojid |
| Request Json: | {" tokenid ": "" ,"aojsupervision":""} | "aojsupervision"点号分隔 |
| Response Json: | {"result":,"errorinfo":"","typeurl":"getaojid","aojid": [1,2,3…]} | 用于如AOJ\_GetAssignment当aojid为空 |

## 获取权限区域列表

|  |  |  |
| --- | --- | --- |
| Interface: | /getaojlist | 获取所有aoj列表 |
| Request Json: | {" tokenid ": ""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":" getaojlist ","aojlist": [ #为0表示列表为空 { "aoj":"", "aojdesc":"", "aojid":},{ "aoj":"", "aojdesc":"", "aojid":}]} | 用于如AOJ\_GetList |

## 更新本地相关信息

|  |  |  |
| --- | --- | --- |
| Interface: | /updateinfo |  |
| Request Json: | {" tokenid ": "", "ulogin":"", #当前用户名"rlogin":"" #当前角色名"clogin":"" #主机名} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":"",""user":"", #更新本地用户名"udesc":"","role":"","rdesc":"","csldesc":"", #主机描述 ------弃用"privilege":["",""], #无则为0"aojidlist": [ #无则为0 { "id":1, "auth":"", #权限 },],"aojlist": [ #无则为0 { "id":"", "desc":"" },]} | 字段"aojlist"对应的内容用于如AOJ\_GetAssignment使用此接口的函数RBAC\_UpdateLocalInfo()"aojidlist"表示本登录用户的所有权限区域id列表，"aojlist"表示所有权限区域列表"auth":对象授权表权限，以点号分割的字符串字段"csldesc"在2020.9.3起弃用 |

## 获取用户名和描述信息

|  |  |  |
| --- | --- | --- |
| Interface: | /getalluserinfo | 双席监督框下拉列表 |
| Request Json: | {" tokenid ": ""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":" getalluserinfo ","userlist":[ #无则为0{ "user": "","userdesc": ""}]} | 获取所有用户名、描述用于选择下拉列表信息(用于如 RBAC\_SpecLogin)  |

## 验证用户和密码

|  |  |  |
| --- | --- | --- |
| Interface: | /checkuserpsw | 双席监督验证密码 |
| Request Json: | {" tokenid ": "","user":"","psw":""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":"checkuserpsw"} | 用于RBAC\_SpecLogin、小弹框修改密码 |

## 更改密码

|  |  |  |
| --- | --- | --- |
| Interface: | /updatepsw |  |
| Request Json: | {"tokenid ": "","user":"","psw":""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":"updatepsw "} | 用于“登录小弹框”修改密码 |

## 获取用户、角色列表所有信息

|  |  |  |
| --- | --- | --- |
| Interface: | /getuserroleall |  |
| Request Json: | {" tokenid ": ""} |  |
| Response Json: | {"result":,"errorinfo":"","typeurl":" getuserroleall ","userlist":[ #无则为0{ "user": "", "userdesc": "", "psw": "","roles": "","unactive": #注销}],"rolelist": [ #无则为0 {"role": "","roledesc": "","privilege": "","plevel": [1,2,3]}]} | ehqxgl.exe初始化时使用；当前弃用(server端未删除此功能)，使用接口6进行初始化"privilege":以点号分割的字符串 |

## 更新用户

|  |  |  |
| --- | --- | --- |
| Interface: | /updateuser |  |
| Request Json: | { "tokenid":"","user": "","olduser": "","userdesc": "","roles": ["",""], #无则为0"psw": "","unactive ": #注销} | 以"olduser"为准，与"user"不同，更新，其他字段不为空就更新需要更改的选项不能为空，为空则跳过此字段 |
| Response Json: | {"result": "","errorinfo":"","typeurl":" updatenameinfo "} | 更新的用户不存在返回失败 |

## 更新角色

|  |  |  |
| --- | --- | --- |
| Interface: | /updaterole |  |
| Request Json: | { "tokenid":"","role": "","oldrole":"","roledesc": "","privilege ": "","plevel ": [1,2,3], #无则为0} | 以"oldrole"为准，与"role"不同，更新，其他字段不为空就更新需要更改的选项不能为空，为空则跳过此字段"plevel ":三个数按顺序 0-Switch; 1-PTZ; 2-PA |
| Response Json: | {"result": ,"errorinfo":"","typeurl":" updatenameinfo ","num":} | "num"操作数据库成功条数，0条失败，1条：更新角色表成功，2条：更新角色表和对象授权表成功(更新角色名时才更新对象授权表)  |

## 更新权限区域

|  |  |  |
| --- | --- | --- |
| Interface: | /updateaoj |  |
| Request Json: | { "tokenid":"","aoj": "","aojdesc": "","aojid ": ,"oldaojid":} | 以"oldaojid"为准进行更新，"oldaojid"和"aojid "必须有值，且大于等于0，相同时不更新此字段，"aoj"，"aojdesc"为空则不更新对应字段； |
| Response Json: | {"result": ,"errorinfo":"","typeurl":" updatenameinfo ","num":} | "num"操作数据库成功条数，0条失败，1条：更新aoj表成功，2条：更新aoj表和对象授权表成功(更新aojid时才更新对象授权表)  |

## 修改对象授权表信息

|  |  |  |
| --- | --- | --- |
| Interface: | /modifyaojassign |  |
| Request Json: | {"aojid": ,"privilege ": "", #aoj权限"role":"","opt":,"almtype":,"tokenid ": ""} | 对应字段不可为空"opt": =1插入，=2更改，=3删除"aojid"不能为0"almtype": 0表示不发报警信息；1表示角色修改报警；2表示aoj修改报警； |
| Response Json: | {"result": "errorinfo":"","typeurl":" updatenameinfo "} |  |

## 获取指定role或aojid的权限区域授权信息

|  |  |  |
| --- | --- | --- |
| Interface: | /getassignaojpvg |  |
| Request Json: | {"role": "","aojid":,"opt":,"tokenid":""} | "opt"=1获取指定角色对应的aoj权限信息(对象授权表信息)；=2 获取指定aojid的对象授权表信息； |
| Response Json: | {"result": """errorinfo":"","typeurl":"getassignaojpvg ","pvglist":[ #无则为0；opt=1{ "aojid":, "pvg":""}],"pvglist":[ #无则为0；opt=2 { "role":"", "pvg":""}]} |  |

## 新增用户

|  |  |  |
| --- | --- | --- |
| Interface: | /addnewuser |  |
| Request Json: | {"tokenid":"","user": "","userdesc": "","roles": ["",""], #无则为0"psw": "","unactive ":""} |  |
| Response Json: | {"result": ,"errorinfo":"","typeurl":"addnewuser "} |  |

## 新增角色

|  |  |  |
| --- | --- | --- |
| Interface: | /addnewrole |  |
| Request Json: | {"tokenid":"","role": "","roledesc": "","pvg ": "","plevel ": [1,2,3]} |  |
| Response Json: | {"result": ,"errorinfo":"","typeurl":"addnewrole "} |  |

## 新增权限区域

|  |  |  |
| --- | --- | --- |
| Interface: | /addnewaoj |  |
| Request Json: | {"tokenid":"","aoj": "","aojdesc": "","aojid ": "" } |  |
| Response Json: | {"result": "errorinfo":"","typeurl":" addnewaoj "} |  |

## 删除用户

|  |  |  |
| --- | --- | --- |
| Interface: | /deleteuser |  |
| Request Json: | {"user": "","tokenid ": "" } |  |
| Response Json: | {"result": "errorinfo":"","typeurl":"deleteuser "} |  |

## 删除角色

|  |  |  |
| --- | --- | --- |
| Interface: | /deleterole |  |
| Request Json: | {"role": "","tokenid ": ""} |  |
| Response Json: | {"result": "errorinfo":"","typeurl":"deleterole "} |  |

## 删除权限区域

|  |  |  |
| --- | --- | --- |
| Interface: | /deleteaoj |  |
| Request Json: | {"aojid": "","tokenid ": "" } |  |
| Response Json: | {"result": "errorinfo":"","typeurl":"deleteaoj "} |  |

## 服务化相关介绍

接口字段"result"对应值：

 RESPONSE\_ERROR\_DATAFORMAT=0,

 RESPONSE\_ERROR\_USER\_PSW=1,

 RESPONSE\_OBJ\_NOEXIST=2, //用户或角色或aojid被删除不存在

 RESPONSE\_OBJ\_ISEXIST=3, //添加的用户、角色、aojid已存在

 RESPONSE\_SUCCESS = 200, //成功

 RESPONSE\_FAILED = 404, //失败

 RESPONSE\_ERROR\_UNKNOWN=405

配置文件loginSys.ini

[AddressInfo]

TimingMinute=1 ###默认客户端不访问服务端1分钟时，服务端清除客户端登录信息；

loginSys.ini属于em\_auth.exe的配置文件，无配置要求可以不在ISCS大平台cfg下添加此文件

标识符含义：

接口中未标注时privilege：系统权限(角色表中)、plevel-角色表中switch和cctv以及pa优先级、tokenid:用户登录唯一标识(登录后返回值：字符串表示)；标识符带有"…desc"的是中文或英文描述

客户端增、删、改、查发送相应的请求，服务端增、删、改时先操作数据库，成功后更新服务端内存块；

"tokenid"只有在初始化或者登出注销(调用RBAC\_Logout)后才置为"0";

对于权限区域id，aojid号为0时则没有任何权限，ehqxgl.exe中不能设置它的权限区域权限；

服务端：

 对于用户表的角色集和角色表的系统权限集以及对象授权表的对象权限集，内存块中默认第一个字符是点，与数据库中存储一样。