## Format

1. 如果一个请求成功并且不需要返回信息给客户端，那么就返回一个空200 OK的HTTP回应，不带任何BODY。
2. 如果一个请求成功同时需要返回一些信息给客户端，那么就返回一个200 OK的HTTP回应，BODY里面是需要返回的JSON数据，JSON数据里面不需要再包含状态码。
3. 如果请求的URL不存在， 返回一个404 HTTP 回应。 不再需要返回JSON数据.
4. 如果请求失败，除了3. 的情况，统一返回400 HTTP回应，详细的错误按照如下格式返回，其中code为 5位代码。

通用的错误码统一以10开头。

属于各自服务器独有的错误码，前面加两位前缀  
20 开头为数据库错误  
30 开头为PBX错误  
40 开头为MEDIA SERVER错误  
50 开头为CONFERENCE SERVER  
60 开头为Virtual Receptionist错误  
70 开头为call queue错误  
80 开头为Voice Mail 错误  
90 开头为FAX SERVER 错误

91 开头为WebRTC Gateway SERVER 错误

Example:

{

“err\_code”:code,

“msg”:”<message>”,

“error\_description”:”< description >”

}

|  |  |  |
| --- | --- | --- |
| HTTP codes | Return codes | Meanings |

## 404 Not Found

|  |  |  |
| --- | --- | --- |
| 404 |  | Not Found |
|  |  |  |

## 400 Bad Request

|  |  |  |
| --- | --- | --- |
| 400 | 1040000 | Unknown request |
| 400 | 1040001 | Parameter incorrect |
| 400 | 1040002 | Syntax error |
| 400 | 1041001 | Password incorrect |
| 400 | 1042001 | Payment required |
| 400 | 1043001 | Permission denied |
| 400 | 1043002 | Invalid token |
| 400 | 1043003 | Rate limit exceeded |
| 400 | 1043004 | Invalid license key |
| 400 | 1044001 | Already exists |
| 400 | 1044004 | Not Found |
| 400 | 1048001 | Timeout |
| 400 | 1048002 | Expired |
| 400 | 1048006 | Busy here |
| 400 | 1050001 | Internal server error |
| 400 | 1050002 | Service unavailable |
| 400 | 1050003 | API version not matched |
| 400 | 1050004 | Usage limit exceeded |

## Database 400 Bad Request

|  |  |  |
| --- | --- | --- |
| 400 | 2050001 | Database error |
| 400 | 2050002 | Database unavailable |

## PBX 400 Bad Request

|  |  |  |
| --- | --- | --- |
| 400 | 3042001 | Need set domain |
| 400 | 3042002 | TLS/WSS domain not matched SIP Domain |
| 400 | 3042003 | Port in using |

## MediaServer 400 Bad Request

|  |  |  |
| --- | --- | --- |
| 400 | 4050001 | Allocation Release error |

## WebRTC Gateway 400 Bad Request

|  |  |  |
| --- | --- | --- |
| 400 | 9110001 | Valid Certificate |
| 400 | 9110002 | Missing Certificates |
| 400 | 9110003 | Upload File failed |