

EasyDarwin 开源流媒体平台系列文档

# EasyDarwin 开源流媒体平台 交互协议



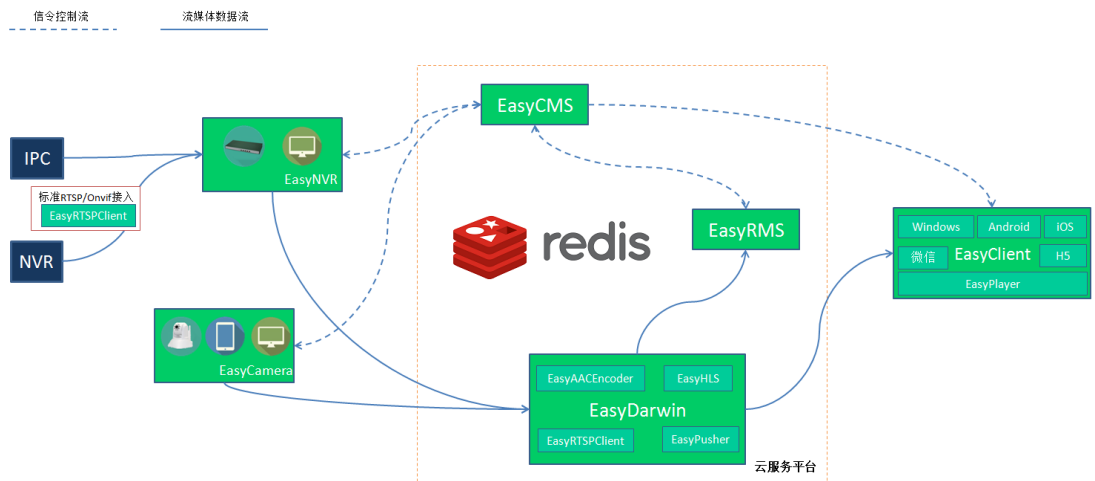
版本 v1.0

EasyDarwin 开源流媒体社区

2016 年 5 月

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- 
- 
- 
-

➤ HTTP            \r\n\r\n

➤ json

```
HTTP      HTTP      HTTP
GET http://www.easydarwin.org/ HTTP/1.1
CSeq: 1
Content-Length: 216
<json    >
```

```
HTTP/1.1 200 OK
CSeq: 1
Content-Length: 158
<json    >
```

json                    <Header></Header> <Body></Body>

```
“      ”
“      ” “      ”
“      ” “      ”
“      ” “      ”
“      ” “      ”
“      ” “      ”
```



Version  
 TerminalType ARM\_Linux Android IOS WEB PC  
 AppType EasyNVR/EasyCamera/EasyPusher EasyCMS  
 EasyDarwin/EasyRMS EasyClient /EasyPlayer  
 MessageType " \_\_\_\_\_ "  
 CSeq

CSeq CSeq CSeq

" "

" " " "

" " " "

" " " "

" " " "

" " " "

|   |                    |
|---|--------------------|
| MSG_DS_REGISTER_REQ   |                    |
| MSG_SD_REGISTER_ACK   |                    |
| MSG_SD_PUSH_STREAM_REQ  | EasyCMS EasyDarwin |
| MSG_DS_PUSH_STREAM_ACK  |                    |
| MSG_SD_STREAM_STOP_REQ  | EasyCMS            |
| MSG_DS_STREAM_STOP_ACK  |                    |
| <i>http://[ip]:[port]/api/getdevicelist</i>   | EasyCMS            |
| MSG_SC_DEVICE_LIST_ACK  |                    |
| <i>http://[ip]:[port]/api/getdeviceinfo?device=[Serial]</i>   | EasyCMS            |
| MSG_SC_DEVICE_INFO_ACK  |                    |
| <i>http://[ip]:[port]/api/getdevicestream?device=001002000001&amp;channel=0&amp;protocol=RTSP&amp;reserve=1</i>   | EasyCMS            |
| MSG_SC_GET_STREAM_ACK   |                    |
| <i>http://[ip]:[port]/api/freedevicestream?device=001002000001&amp;channel=01&amp;protocol=RTSP&amp;reserve=1</i> | EasyCMS            |
| MSG_SC_FREE_STREAM_ACK  |                    |
| MSG_DS_POST_SNAP_REQ  | EasyCMS            |



“ ” “ ”

“ ” “ ”  
“ ” “ ”  
“ ” “ ”

“ ” “ ”  
“ ” “ ”  
“ ” “ ”

## 2 : MSG\_SD\_REGISTER\_ACK

“ ”  
“ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ”  
“ ” “ ”







```

" " " "
" " " "
" "
" " " "
" " " "
" " " "
" " " "
" " " "
" " " "
" " " "
" " " "
" " " "
" " " "

```

#### 4.4 EasyClient EasyCMS

1 RESTful

2 MSG\_SC\_DEVICE\_LIST\_ACK

```

" "
" "
" " " "
" " "MSG_SC_DEVICE_LIST_ACK"
" " " "
" " " "
" " " "
" " " "
" "
" " " "

```

```

" " " "
" " " "
" " " "
" " " "
" " " "

```

```

" " " "
" " " "
" " " "
" " " "

```

“ ” “ ”

#### 4.5 EasyClient EasyCMS

1 RESTful

2 MSG\_SC\_DEVICE\_INFO\_ACK

```

“ ”
“ ”
“ ” “ ”
“ ” “MSG_SC_DEVICE_INFO_ACK”
“ ” “ ”
“ ” “ ”
“ ” “ ”
“ ”
“ ” “ ”
“ ” “ ”

```

```

“ ” “ ”
“ ” “ ”
“ ” “ ”
“ ” “ ”

```

```

“ ” “ ”
“ ” “ ”
“ ” “ ”
“ ” “ ”

```

```

“ ” “ ”
“ ” “ ”
“ ” “ ”

```

```

" " " "

```

#### 4.6 EasyClient EasyCMS

1 RESTful

*&reserve=1*

2 MSG\_SC\_GET\_STREAM\_ACK

```

" "
" "
" " " "
" " "MSG_SC_GET_STREAM_ACK"
" " " "
" " " "
" " " " "
" "
" " " " "
" " " "
" " " " "
" " " " "
"reserve": "1"

```

#### 4.7 EasyDarwin EasyCMS

1 MSG\_CS\_FREE\_STREAM\_REQ

```

" "
" "
" " " "
" " " "
" " " " "
" " " "
" " " "
" " " "MSG_CS_FREE_STREAM_REQ"

```

```

"      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "

```

## 2 MSG\_SC\_FREE\_STREAM\_ACK

```

"      "
      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "

```

## 4.8 CMS

### 1 MSG\_DS\_POST\_SNAP\_REQ

```

"      "
      "      "
      "      "      "
      "      "      "
      "      "      "MSG_DS_POST_SNAP_REQ"
      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "
      "      "      "

```

“ ” “ ”

## 2 MSG\_SD\_POST\_SNAP\_ACK

“ ”  
 “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “MSG\_SD\_POST\_SNAP\_ACK”  
 “ ” “ ”  
 “ ” “ ”  
 “ ”  
 “ ” “ ”  
 “ ” “ ”

## 4.9 EasyClient EasyCMS

### 1 RESTful

## 2 MSG\_SC\_PTZ\_CONTROL\_ACK

“ ”  
 “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “ ”  
 “ ” “ ”





```

"      " " "
"      " "      "
" " "      "
" " "      "

"
"      " " "
"      " " "
"      " "      "
"      " "      "
"      " " "

```

#### 4.11 EasyClient EasyCMS

1 RESTful

2 MSG\_SC\_PRESET\_CONTROL\_ACK

```

"      "
"      "
"      " " "
"      " " "
"      " " "
"      " " "      "

"      "
"      " " "
"      " " "
"      " " "      "
"      " " "
"      " " "

```

#### 4.12 EasyCMS

1 : MSG\_SD\_CONTROL\_PRESET\_REQ

```

"      "

```



```
“ ” “ ”  
“ ” “ ”
```

### 4.13 EasyClient EasyCMS

#### 1 MSG\_CS\_TALKBACK\_CONTROL\_REQ

```
“ ”  
“ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
-----  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”  
“ ” “ ”
```

#### 2 SG\_SC\_TALKBACK\_CONTROL\_ACK

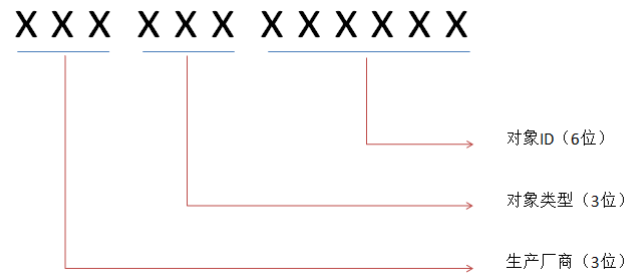
```
“ ”  
“ ”  
“ ” “ ”
```





|  | Success OK                    |            |
|--|-------------------------------|------------|
|  | Success Created               |            |
|  | Success Accepted              |            |
|  | Success No Content            |            |
|  | Success Partial Content       |            |
|  | Redirect Permanent Moved      |            |
|  | Redirect Temp Moved           | URI        |
|  | Redirect See Other            | URI        |
|  | Use Proxy                     |            |
|  | Client Bad Request            |            |
|  | Client Unauthorized           |            |
|  | Payment Required              | ,          |
|  | Client Forbidden              | ,          |
|  | Not Found                     |            |
|  | Method Not Allowed            |            |
|  | Proxy Authentication Required |            |
|  | Request Timeout               |            |
|  | Conflict                      |            |
|  | Precondition Failed           |            |
|  | Unsupported Media Type        |            |
|  | Server Internal Error         | ,          |
|  | Server Not Implemented        | ,          |
|  | Server Bad Gateway            | ,          |
|  | Server Unavailable            | ,          |
|  | RTSP Version Not Supported    | RTSP       |
|  | Memcache Not Found            | Memcache   |
|  | Database Not Found            | Database   |
|  | User Not Found                |            |
|  | Device Not Found              |            |
|  | Session Not Found             | (Session ) |
|  | Service Not Found             |            |
|  | Password Error                |            |

|  |                  |     |
|--|------------------|-----|
|  | Parse Error      | XML |
|  | Permission Error |     |
|  |                  |     |



|   |        |            |        |
|---|--------|------------|--------|
|   |        |            |        |
| 1 | V1.0.0 | 2014-08-25 | Babosa |
|   |        |            |        |