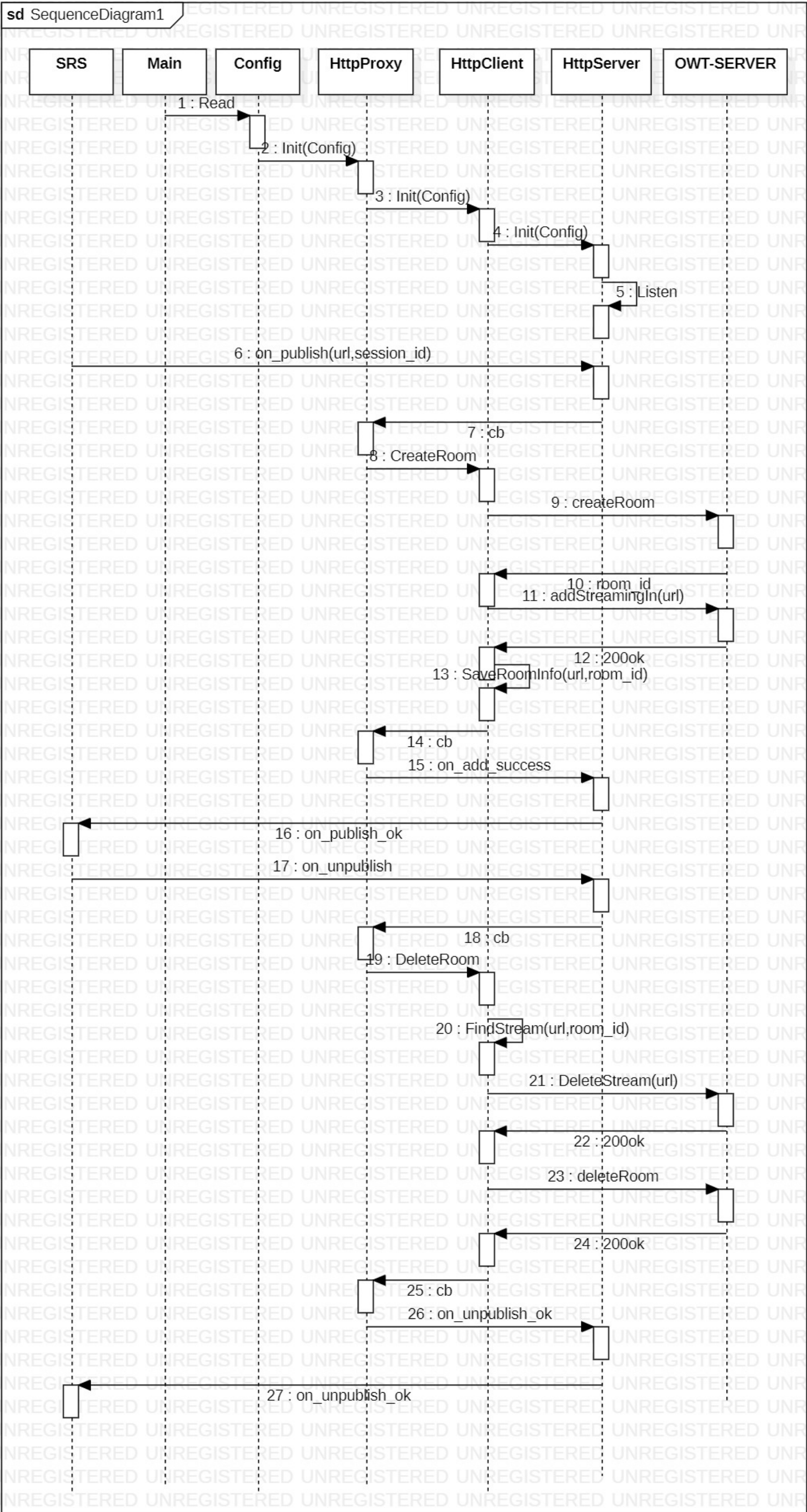


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SRS_OWT_Proxy进程流程

由 陈明军 创建, 最后修改于十二月 02, 2022

该进程作为srs和owl-server之间的中间进程，需要引导owl-server从srs拉取rtmp流，对owl-server创建的房间进行管理。具体流程为：



SRS协议：

```
vhost your_vhost {
  http_hooks {
    # whether the http hooks enable.
    # default off.
    enabled on;
    # when client(encoder) publish to vhost/app/stream, call the hook,
    # the request in the POST data string is a object encode by json:
    # {
    #   "action": "on_publish",
    #   "client_id": "9308h583",
    #   "ip": "192.168.1.10", "vhost": "video.test.com", "app": "live",
    #   "stream": "livestream", "param": "?token=xxx&salt=yyy"
    # }
    # if valid, the hook must return HTTP code 200(Status OK) and response
    # an int value specifies the error code(0 corresponding to success):
    # 0
    # support multiple api hooks, format:
    # on_publish http://xxx/api0 http://xxx/api1 http://xxx/apiN
    # @remark For SRS4, the HTTPS url is supported, for example:
    # on_publish https://xxx/api0 https://xxx/api1 https://xxx/apiN
    on_publish http://127.0.0.1:8085/api/v1/streams http://localhost:8085/api/v1/streams;
    # when client(encoder) stop publish to vhost/app/stream, call the hook,
    # the request in the POST data string is a object encode by json:
    # {
    #   "action": "on_unpublish",
    #   "client_id": "9308h583",
    #   "ip": "192.168.1.10", "vhost": "video.test.com", "app": "live",
    #   "stream": "livestream", "param": "?token=xxx&salt=yyy"
    # }
    # if valid, the hook must return HTTP code 200(Status OK) and response
    # an int value specifies the error code(0 corresponding to success):
    # 0
    # support multiple api hooks, format:
    # on_unpublish http://xxx/api0 http://xxx/api1 http://xxx/apiN
    # @remark For SRS4, the HTTPS url is supported, for example:
    # on_unpublish https://xxx/api0 https://xxx/api1 https://xxx/apiN
    on_unpublish http://127.0.0.1:8085/api/v1/streams http://localhost:8085/api/v1/streams;
  }
}
```

```
POST /api/v1/streams HTTP/1.1
Content-Type: application-json

Body:
{
  "server_id": "vid-0xk989d",
  "action": "on_publish",
  "client_id": "341w361a",
  "ip": "127.0.0.1",
  "vhost": "__defaultVhost__",
  "app": "live",
  "tcUrl": "rtmp://127.0.0.1:1935/live?vhost=__defaultVhost__",
  "stream": "livestream",
  "param": ""
}
```

```
{
```

```
{
  "action": "on_unpublish",
  "client_id": "9308h583",
  "ip": "192.168.1.10",
  "vhost": "video.test.com",
  "app": "live",
  "stream": "livestream"
}
```

owl协议:

```
创建房间:
POST /rooms HTTP/1.1
Body:
{
  "name" : "xxx",
  "options" : []
}

创建流:
POST /rooms/:room/streaming-ins HTTP/1.1
Body:
{
  "connection": {
    "url": "rtmp://127.0.0.1:1935/live?vhost=__defaultVhost__/stream",
    "transportProtocol": "udp",
    "bufferSize": 8192,
  },
  "media": {
    "audio": "auto",
    "video": "auto"
  }
}

混流:
PATCH /rooms/:room/streams/:streamid HTTP/1.1
Body:
[{"op":"add","path":"/info/inViews","value":"common"}]

删除流:
DELETE /rooms/:room/streaming-ins/:streamid HTTP/1.1

删除房间:
DELETE /rooms/:room HTTP/1.1
```

