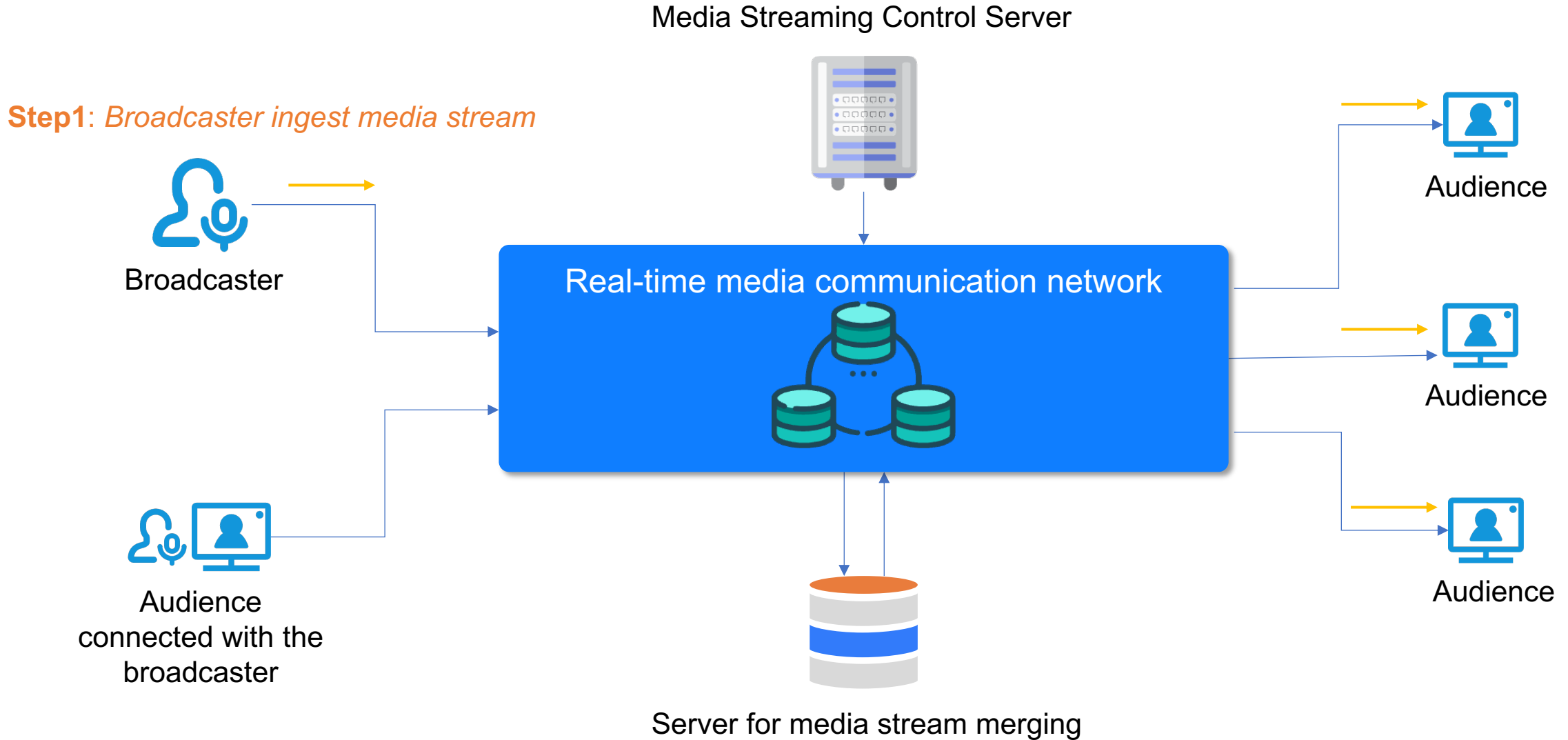
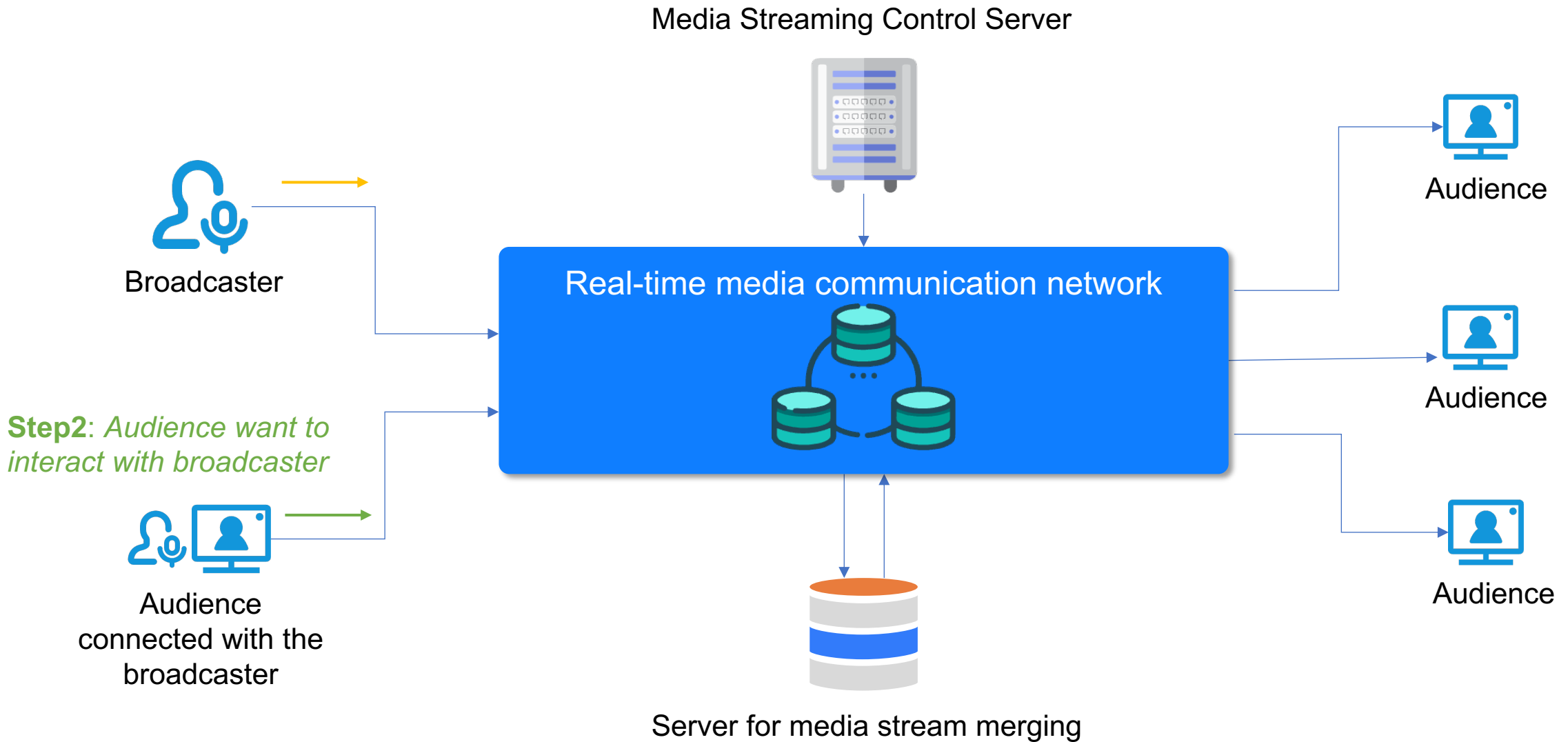


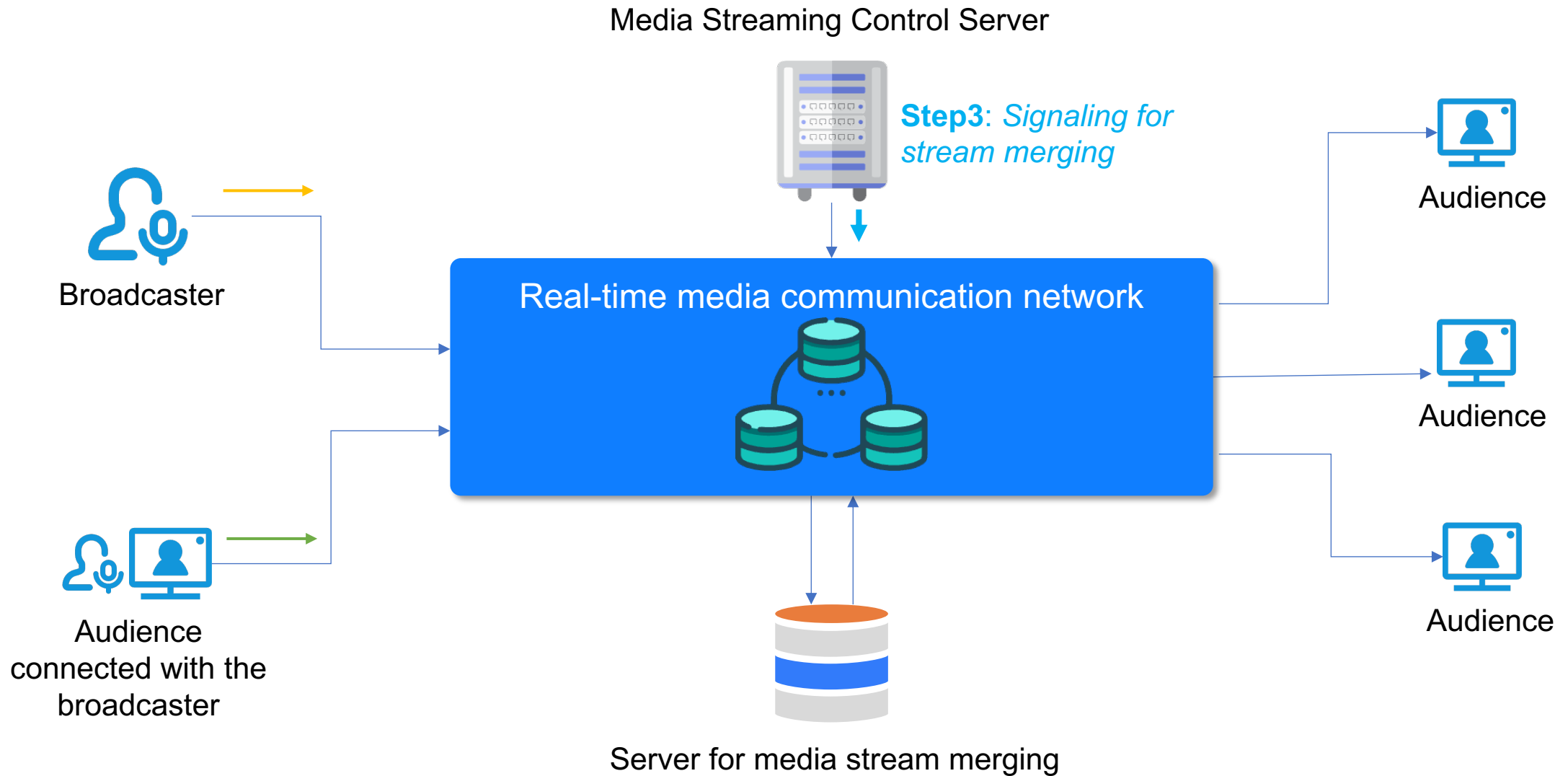
# ***WebRTC-HTTP Interactive Signaling Protocol***

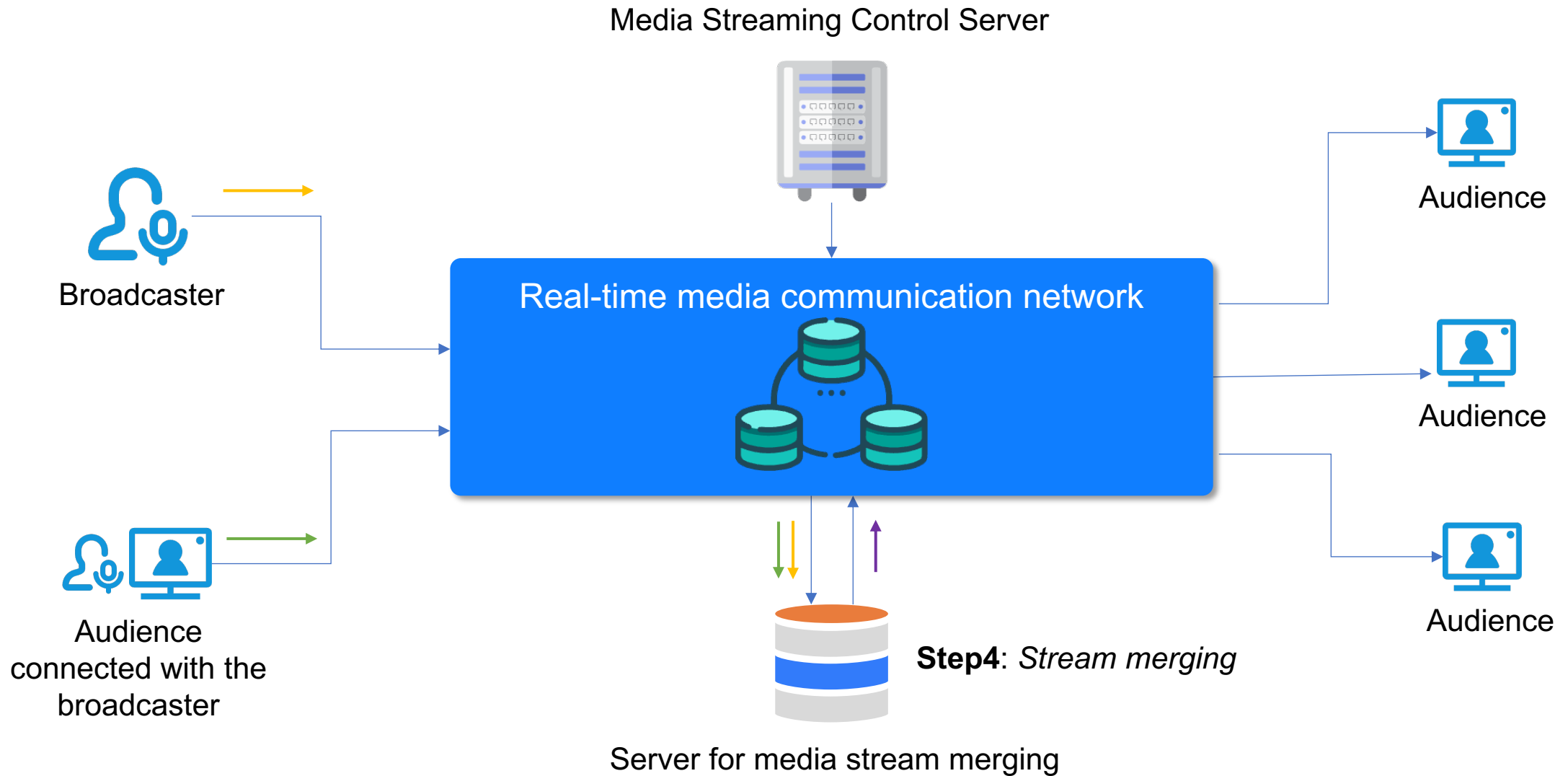
<https://www.ietf.org/archive/id/draft-liu-webrtc-http-interactive-protocol-00.txt>

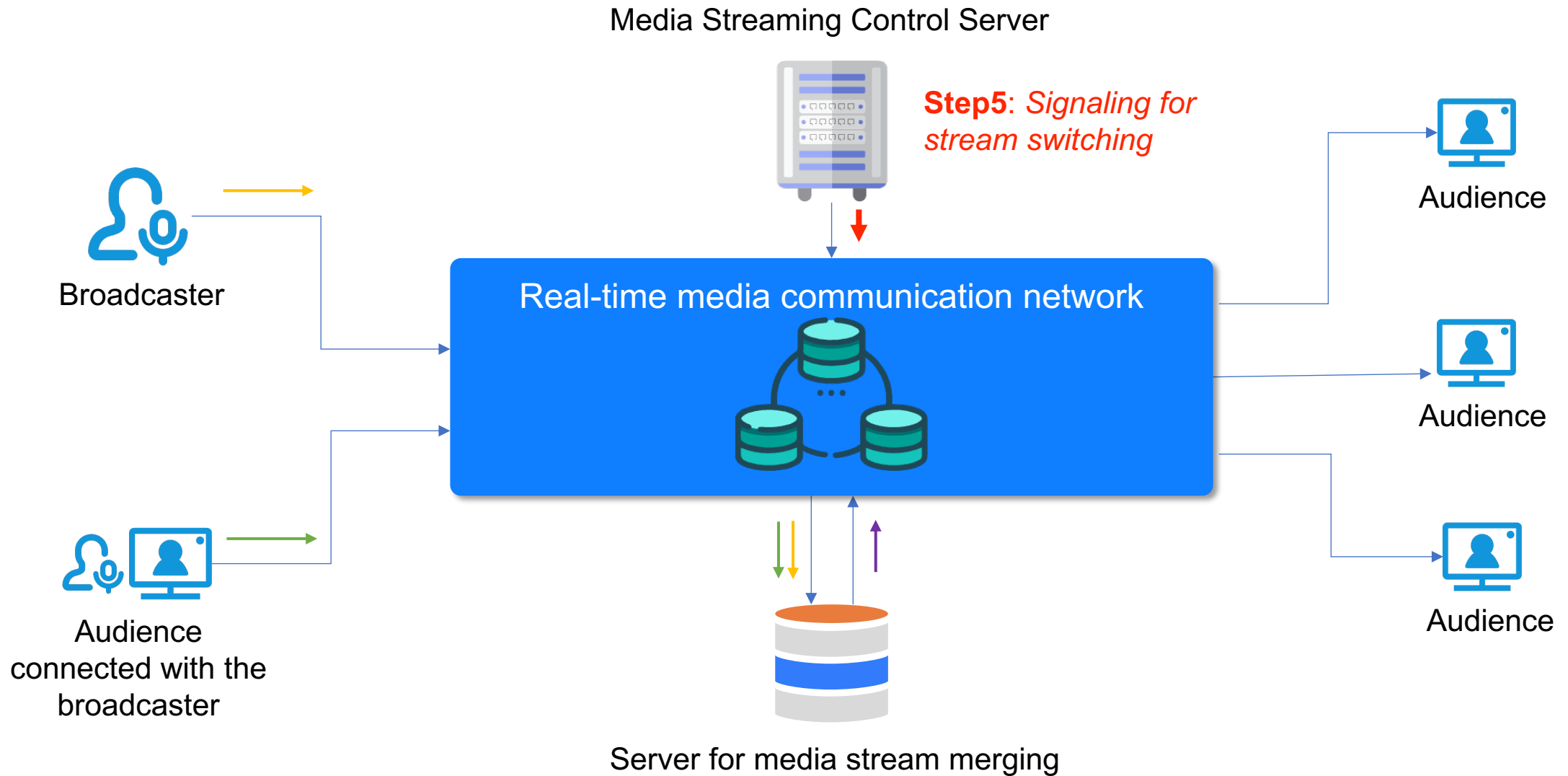
# Use Case: Interactive live-webcast





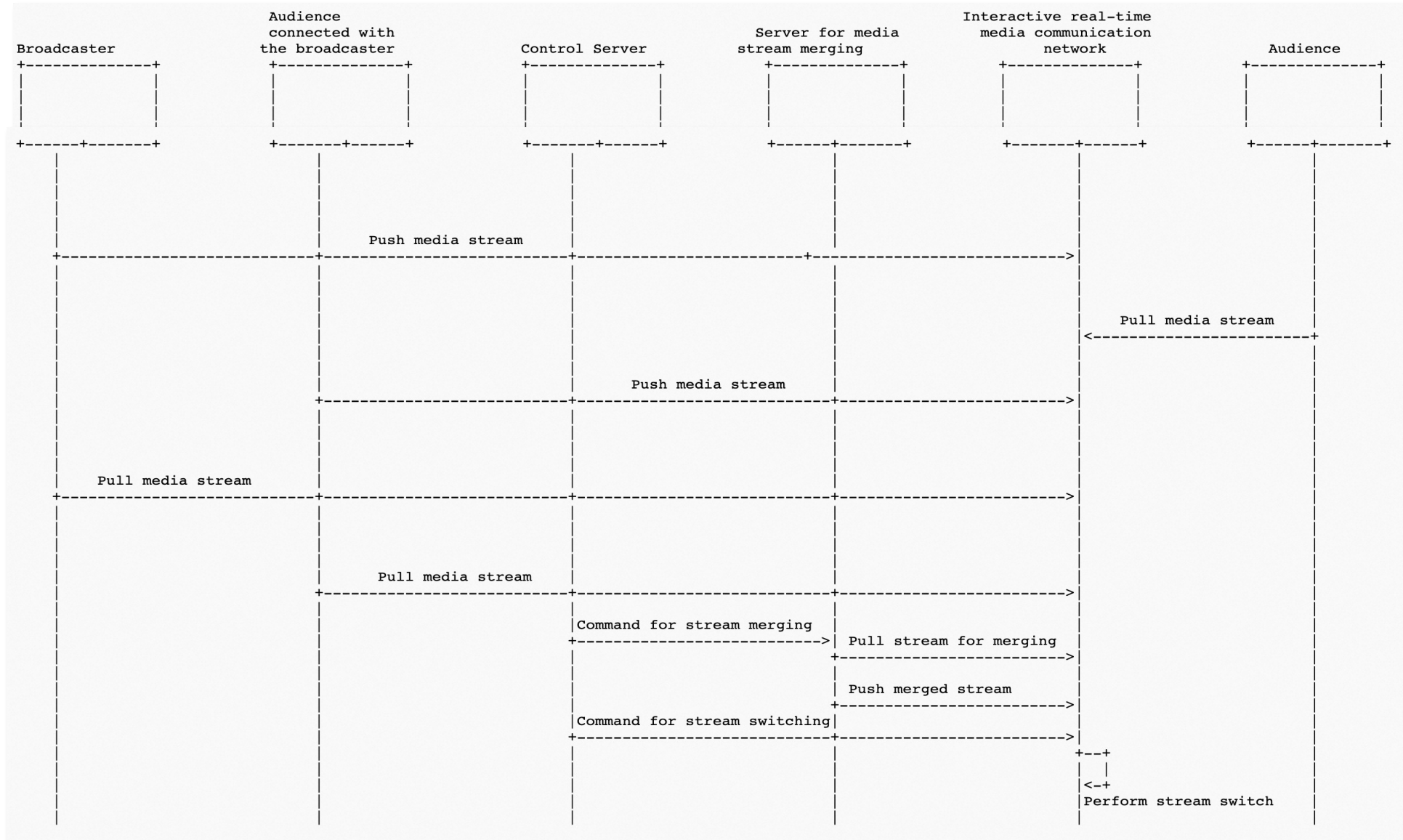








# Signaling Procedure





# Signaling Specification(1/4): Merging Signaling

```
Merging Message:
{
  POST /whisp/merging/endpoint HTTP/1.1
  Host: whisp.example.com
  Content-Type: application/json
  Content-Length:
  {
    "main media": {
      "media ID": [
        "amsid": [
          "rts audio"
        ],
        "vmsid": [
          "rts video"
        ]
      ],
      "URL": "http://demo.example.com/liveapp****/liveStream****1",
    },
    "secondary media": {
      "media ID": [
        "amsid": [
          "rts audio"
        ],
        "vmsid": [
          "rts video"
        ]
      ],
      "URL": "http://demo.example.com/liveapp****/liveStream****2",
    },
    "merge template": {
      "merge template id" [
        "01"
      ]
    }
  }
}
```

Figure 4: Merging signaling message

## Signaling Specification(2/4): Switching Signaling

```
Switching Message:
{

  POST /whisp/switching/endpoint HTTP/1.1
  Host: whisp.example.com
  Content-Type: application/json
  Content-Length:
  {

    "source media": {
      "media ID": [
        "amsid": [
          "rts audio"
        ],
        "vmsid": [
          "rts video"
        ]
      ],
      "URL": "http://demo.example.com/liveapp****/liveStream****1",
    },

    "destination media": {
      "media ID": [
        "amsid": [
          "rts audio"
        ],
        "vmsid": [
          "rts video"
        ]
      ],
      "URL": "http://demo.example.com/liveapp****/liveStream****2",
    },
  },
}
```

Figure 5: Switching signaling message

## Signaling Specification(3/4): Grabbing Signaling

Grabbing Message:

```
{  
  
  POST /whisp/grabbing/endpoint HTTP/1.1  
  Host: whisp.example.com  
  Content-Type: application/json  
  Content-Length:  
  {  
  
    "new media": {  
      "media ID": [  
        "amsid": [  
          "rts audio"  
        ],  
        "vmsid": [  
          "rts video"  
        ]  
      },  
      ],  
      "URL": "http://demo.example.com/liveapp****/liveStream****",  
    }  
    error_code,  
  }  
}
```

Figure 6: Grabbing signaling message

Reason	Code
0x0	Dropped by Mobility
0x1	Proactive dropping
0x2	Passive dropping

Table 2: Error code for grabbing signaling message

## Signaling Specification(4/4): Pulling Signaling

Pulling Message:

```
{  
  
  POST /whisp/pulling/endpoint HTTP/1.1  
  Host: whisp.example.com  
  Content-Type: application/json  
  Content-Length:  
  {  
  
    "media": {  
      "URL": "http://demo.example.com/liveapp****/liveStream****",  
    }  
  }  
}
```

Figure 7: Pulling signaling message

Comments?