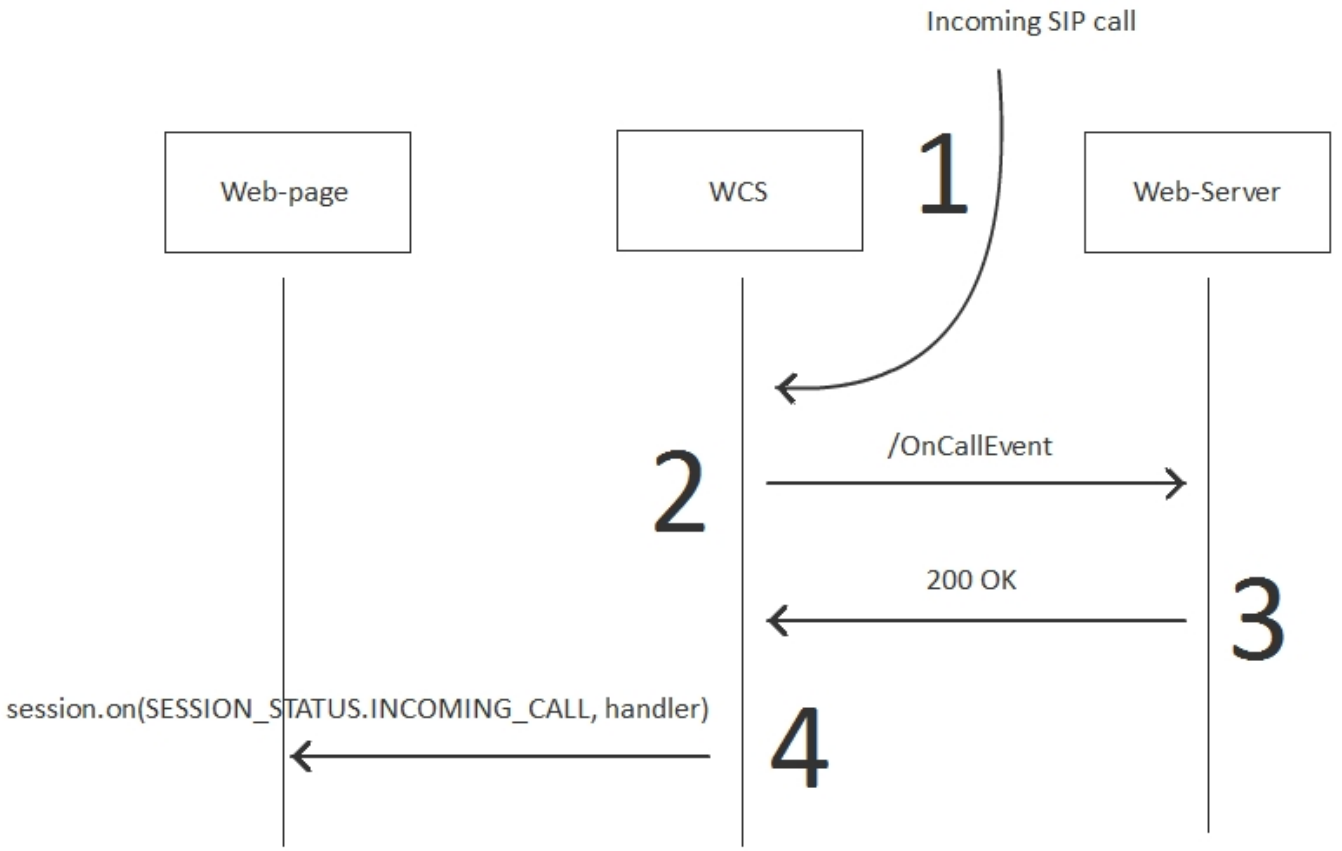
Type 4 - the incoming call

- Scheme of work
- Error handling

Scheme of work

A client can initiate the incoming call event by incoming SIP call. In this case, **/OnCallEvent** REST method is called. This method contains incoming call information.



The diagram shows that /OnCallEvent query goes to web server, then client handles this event on step 4 after web server response.

Example:

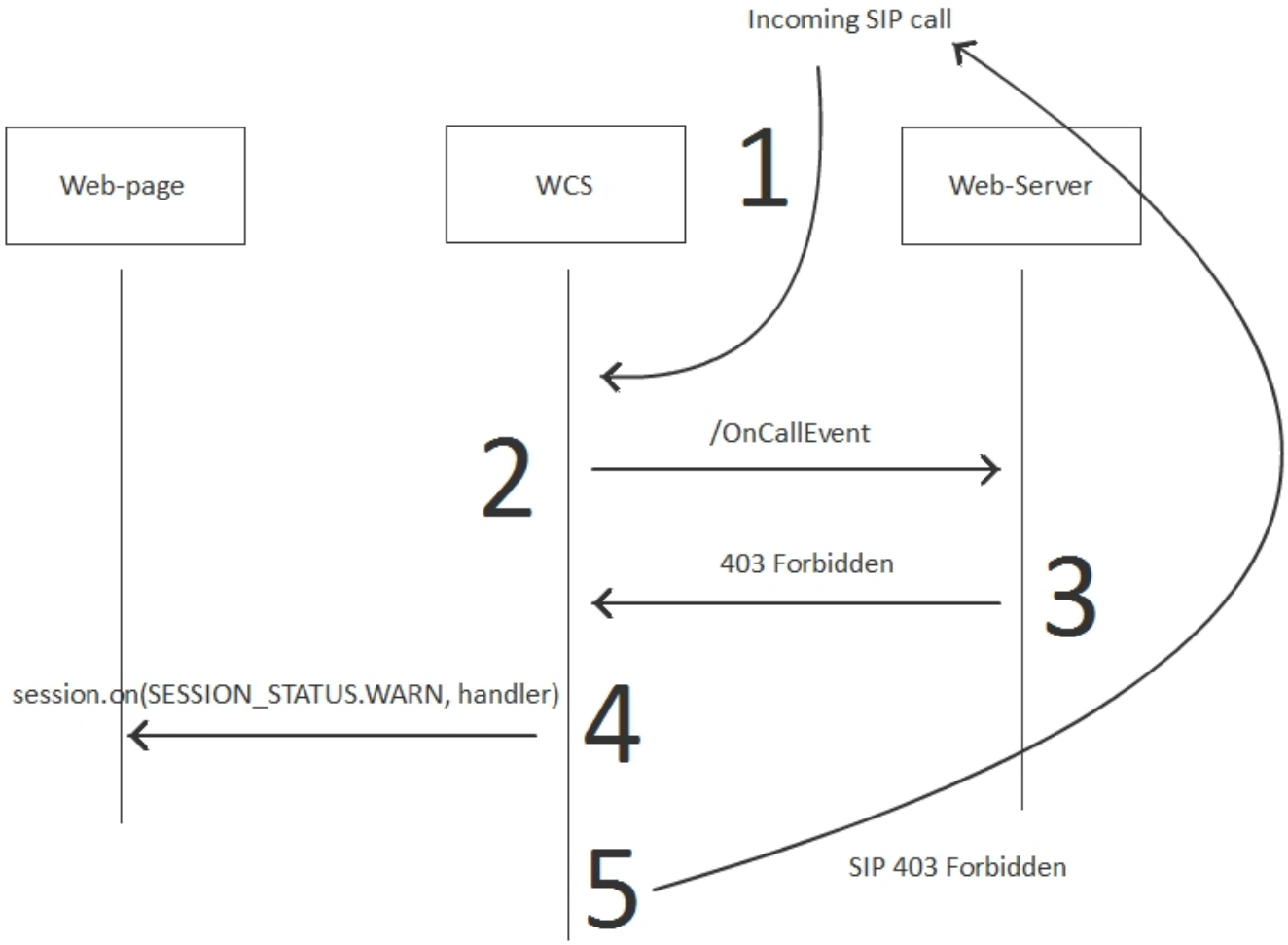
2	3

```
POST /rest/my_api/OnCallEvent HTTP/1.1
Accept: application/json, application/*+json
Content-Type: application/json;charset=UTF-8
User-Agent: Java/1.8.0_111
Host: 192.168.1.101
Connection: keep-alive
Content-Length: 3614

{
  "nodeId" : "ah20GKYnbYKxjJmdh1zDs6cllWkn0Q0t@46.
101.108.90",
  "appKey" : "defaultApp",
  "sessionId" : "/8.8.8.8:56046/46.101.108.90:8443",
  "callId" : "pbx-8BD6EE910B71BE609010-3434@h79n40.
etc.tario.ru",
  "incoming" : true,
  "status" : "PENDING",
  "caller" : "PPP009",
  "callee" : "PPP005",
  "hasAudio" : true,
  "hasVideo" : false,
  "mediaProvider" : "WebRTC",
  "isMsrp" : false,
  "holdForTransfer" : false
}
```

```
HTTP/1.1 200 OK
Date: Tue, 28 Feb 2017 17:35:44 GMT
Server: Apache/2.2.15 (CentOS)
X-Powered-By: PHP/5.3.3
Content-Length: 3656
Connection: close
Content-Type: application/json

{
  "nodeId" : "ah20GKYnbYKxjJmdh1zDs6cllWkn0Q0t@46.
101.108.90",
  "appKey" : "defaultApp",
  "sessionId" : "/8.8.8.8:56046/46.101.108.90:8443",
  "callId" : "pbx-8BD6EE910B71BE609010-3434@h79n40.
etc.tario.ru",
  "incoming" : true,
  "status" : "PENDING",
  "caller" : "PPP009",
  "callee" : "PPP005",
  "hasAudio" : true,
  "hasVideo" : false,
  "mediaProvider" : "WebRTC",
  "isMsrp" : false,
  "holdForTransfer" : false
}
```

Error handling

If web server returns error then SESSION_STATUS.WARN goes to client and error status returns to caller (SIP side in this case)



Example:

2	3

POST /rest/my_api/OnCallEvent HTTP/1.1
Accept: application/json, application/*+json
Content-Type: application/json;charset=UTF-8
User-Agent: Java/1.8.0_111
Host: 192.168.1.101
Connection: keep-alive
Content-Length: 3639
 	
{
"nodeId" : "ah20GKYnbYKxjJmdh1zDs6cllWkn0Q0t@46.101.108.90",
"appKey" : "defaultApp",
"sessionId" : "/8.8.8.8:56046/46.101.108.90:8443",
"callId" : "pbx-8BD6EE910B71BE609010-3434@h79n40.etc.tario.ru",
"incoming" : true,
"status" : "PENDING",
"caller" : "PPP009",
"callee" : "PPP005",
"hasAudio" : true,
"hasVideo" : false,
"mediaProvider" : "WebRTC",
"isMsrp" : false,
"holdForTransfer" : false
}
	HTTP/1.1 403 Forbidden
	Date: Tue, 28 Feb 2017 13:44:39 GMT
	Server: Apache/2.2.15 (CentOS)
	X-Powered-By: PHP/5.3.3
	Content-Length: 0
	Connection: close
	Content-Type: text/html; charset=UTF-8