



This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

WebRTC Private Edition Guide

Metrics

Contents

- [1 Call related Metrics](#)
- [2 System Error Metrics](#)
- [3 Additional Metrics](#)

Learn which metrics you should monitor for WebRTC and when to sound the alarm.

Related documentation:

-
-
-

RSS:

- [For private edition](#)

WebRTC supports the Prometheus monitoring system. WebRTC generates metrics through http-requests on port 10052 to the /metrics path in the standard Prometheus client format. You need to configure prometheusURI tag on the WebRTC EC2-instances using the format: "prometheusURI": "10052/metrics" for Prometheus to query the instances for metrics.

Call related Metrics

Prometheus-exposed name	Description
wrtc_current_signins	Displays the number of current registered DNs
wrtc_current_in_calls	Displays the number of current incoming calls
wrtc_current_out_calls	Displays the number of current outgoing calls
wrtc_current_audio_calls	Displays the number of current audio calls
wrtc_current_video_calls	Displays the number of current video calls
wrtc_current_xcoding_calls	Displays the number of current xcoding calls
wrtc_peak_in_calls	Displays the maximum number of incoming calls
wrtc_peak_out_calls	Displays the maximum number of outgoing calls
wrtc_peak_audio_calls	Displays the maximum number of audio calls
wrtc_peak_video_calls	Displays the maximum number of video calls
wrtc_peak_xcoding_calls	Displays the maximum number of xcoding calls
wrtc_total_in_calls	Displays the total number of incoming calls
wrtc_total_out_calls	Displays the total number of outgoing calls
wrtc_total_audio_calls	Displays the total number of audio calls
wrtc_total_video_calls	Displays the total number of video calls
wrtc_total_xcoding_calls	Displays the total number of xcoding calls
wrtc_unauthorized_access	Displays number of unauthorized access attempts
wrtc_unknown_request	Displays the number of unknown requests received
wrtc_double_signin	Displays the number of registration requests that was received for registered DN

Prometheus-exposed name	Description
wrtc_rtp_losts	Displays the number of lost RTP packets
wrtc_rtp_errors	Displays the number of RTP receive errors
wrtc_rtp_gateway_jitter {over="100"}	Audio quality monitoring metrics
wrtc_rtp_gateway_jitter {over="300"}	
wrtc_rtp_gateway_jitter {over="500"}	
wrtc_rtp_client_jitter {over="100"}	
wrtc_rtp_client_jitter {over="300"}	
wrtc_rtp_client_jitter {over="500"}	

System Error Metrics

WebRTC provides the `wrtc_system_error` metric which specifies the problem in communication with another components such SIP Server, GWS, and Elasticsearch server.

Prometheus-exposed name	Description
wrtc_system_error {type="turn_errors"}	Displays the number of failed ICE transactions
wrtc_system_error {type="sips", sip=""}	Displays the number of registration transactions which were timed out
wrtc_system_error {type="gws"}	Specifies if the WebRTC gateway is able to connect to GWS or not
wrtc_system_error {type="gws_errors"}	Displays the number of error responses received from GWS
wrtc_system_error {type="es"}	Specifies if the WebRTC gateway is able to connect to Elasticsearch server or not
wrtc_system_error {type="es_errors"}	Displays the number of error responses received from Elasticsearch server

Additional Metrics

WebRTC supports a number of metrics for advanced performance related troubleshooting.

Prometheus-exposed name	Description
wrtc_max_clients_per_instance	Displays the maximum number of clients per instance
wrtc_max_clients_per_node	Displays the maximum number of clients per node
wrtc_calls_by_domain	Displays the number of calls by domain
wrtc_registrations_by_domain	Displays the number of client registrations per domain
wrtc_failed_registrations_by_domain	Displays the number of failed client registrations per domain

Prometheus-exposed name	Description
wrtc_client_errors (type = double_sign_in_reject)	Displays the number of double sign-ins being rejected
wrtc_client_errors (type = dropped_on_signout)	Displays the number of clients being dropped on sign-out
wrtc_client_errors (type = timeout)	Displays the number of client timeout errors