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# Outbound (CX Contact) Private Edition Guide

Job Scheduler metrics and alerts

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Find the metrics JS exposes and the alerts defined for JS.

### Related documentation:

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Service	CRD or annotations?	Port	Endpoint/Selector	Metrics update interval
Job Scheduler	ServiceMonitor	3108	/metrics	15 seconds

See details about:

- Job Scheduler metrics
- Job Scheduler alerts

## Metrics

Metric and description	Metric details	Indicator of
<b>cxc_js_jobs_executed_total</b> Total jobs executed.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> 42	
<b>cxc_js_jobs_failed_total</b> Total failed jobs.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> 42	
<b>cxc_js_jobs_success_total</b> Total successful jobs.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> 42	
<b>cxc_js_jobs_nothing_to_do_total</b> Total jobs with Nothing TO DO result.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> 42	
<b>cxc_js_jobs_run_now_total</b> Total jobs that were started manually.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""ccid', 'tenant_name"" <b>Sample value:</b> 42	

Metric and description	Metric details	Indicator of
<b>cxc_js_files_imported_total</b> Total files imported.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""action', 'ccid', 'tenant_name"" <b>Sample value:</b> 42	
<b>cxc_js_jobs_ttl_exceeded_total</b> Total ttl exceeded jobs.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> 42	
<b>cxc_js_jobs_running_total</b> Number of currently active jobs.	<b>Unit:</b> <b>Type:</b> Gauge <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> 4.2	
<b>cxc_js_redis_connections</b> Count of active connections to Redis server.	<b>Unit:</b> <b>Type:</b> Gauge <b>Label:</b> n/a <b>Sample value:</b> 4.2	
<b>cxc_js_job_duration_seconds</b> Job duration histogram.	<b>Unit:</b> <b>Type:</b> Histogram <b>Label:</b> ""type', 'ccid', 'tenant_name"" <b>Sample value:</b> [1, 2, 3]	
<b>cxc_js_job_import_file_size_megabytes</b> Job import file size histogram.	<b>Unit:</b> <b>Type:</b> Histogram <b>Label:</b> ""action', 'ccid', 'tenant_name"" <b>Sample value:</b> [1, 2, 3]	
<b>cxc_js_healthy_instance</b> Healthy instance.	<b>Unit:</b> <b>Type:</b> Gauge <b>Label:</b> n/a <b>Sample value:</b> 4.2	
<b>cxc_js_request_count</b> Total requests by verb and code.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""method', 'path', 'code"" <b>Sample value:</b> 42	
<b>cxc_js_request_latencies_ms</b> Request latencies histogram by verb, in milliseconds.	<b>Unit:</b> <b>Type:</b> Histogram <b>Label:</b> ""method', 'path', 'code"" <b>Sample value:</b> [1, 2, 3]	
<b>cxc_js_request_out_count</b> Total out requests by verb, destination, and code.	<b>Unit:</b> <b>Type:</b> Counter <b>Label:</b> ""method', 'destination', 'code"" <b>Sample value:</b> 42	
<b>cxc_js_request_out_latencies_ms</b>	<b>Unit:</b>	

Metric and description	Metric details	Indicator of
Out Request latencies histogram by verb, destination, and code, in milliseconds.	<b>Type:</b> Histogram <b>Label:</b> "'method', 'destination', 'code'" <b>Sample value:</b> [1, 2. 3]	
<b>cxc_js_healthy_tenants</b> Healthy tenants.	<b>Unit:</b> <b>Type:</b> Gauge <b>Label:</b> "'ccid', 'tenant_name'" <b>Sample value:</b> 4.2	

## Alerts

The following alerts are defined for Job Scheduler.

Alert	Severity	Description	Based on	Threshold
CXC-JS-LatencyHigh	HIGH	Triggered when the latency for job scheduler is above the defined threshold.		5000ms for 5m
CXC-CPUUsage	HIGH	Triggered when the CPU utilization of a pod is beyond the threshold		300% for 5m
CXC-MemoryUsage	HIGH	Triggered when the memory utilization of a pod is beyond the threshold.		70% for 5m
CXC-PodNotReadyCount	HIGH	Triggered when the number of pods ready for a CX Contact deployment is less than or equal to the threshold.		1 for 5m
CXC-PodRestartsCount	HIGH	Triggered when the restart count for a pod is beyond the threshold.		1 for 5m
CXC-MemoryUsagePD	HIGH	Triggered when the memory usage of a pod is above the critical threshold.		90% for 5m
CXC-PodRestartsCountPD	HIGH	Triggered when the restart count is beyond the critical threshold.		5 for 5m
CXC-	HIGH	Triggered when		0 for 1m

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Alert	Severity	Description	Based on	Threshold
PodsNotReadyPD		there are no pods ready for CX Contact deployment.		