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Web Services API Reference

Runtime

Runtime

This operation is part of the [Service API](#) section of the [Web Services API](#).

Overview

With this request, a Contact Center administrator or an OPS user can retrieve system data including Java Virtual Machine (JVM) information and other metrics using the API. This information is useful in troubleshooting and running diagnostics. Runtime information can be retrieved for a single node.

Request URL	/api/v2/service/runtime
HTTP method	GET

Sample

Request

```
GET ../api/v2/service/runtime
```

HTTP response

```
{
  "information": {
    "jvmMetrics": {
      "gc": {
        "jvm.gc.PS-MarkSweep.count": {
          "value": <int>
        },
        "jvm.gc.PS-MarkSweep.time": {
          "value": <int>
        },
        "jvm.gc.PS-Scavenge.count": {
          "value": <int>
        },
        "jvm.gc.PS-Scavenge.time": {
          "value": <int>
        }
      },
      "memory": {
        "jvm.memory.heap.committed": {
          "value": <int>
        },
        "jvm.memory.heap.init": {
          "value": <int>
        }
      }
    }
  }
}
```

```
    },
    "jvm.memory.heap.max": {
      "value": <int>
    },
    "jvm.memory.heap.usage": {
      "value": <double>
    },
    "jvm.memory.heap.used": {
      "value": <int>
    },
    "jvm.memory.non-heap.committed": {
      "value": <int>
    },
    "jvm.memory.non-heap.init": {
      "value": <int>
    },
    "jvm.memory.non-heap.max": {
      "value": <int>
    },
    "jvm.memory.non-heap.usage": {
      "value": <double>
    },
    "jvm.memory.non-heap.used": {
      "value": <int>
    },
    "jvm.memory.pools.Code-Cache.usage": {
      "value": <double>
    },
    "jvm.memory.pools.Compressed-Class-Space.usage": {
      "value": <double>
    },
    "jvm.memory.pools.Metaspace.usage": {
      "value": <double>
    },
    "jvm.memory.pools.PS-Eden-Space.usage": {
      "value": <double>
    },
    "jvm.memory.pools.PS-Old-Gen.usage": {
      "value": <double>
    },
    "jvm.memory.pools.PS-Survivor-Space.usage": {
      "value": <double>
    },
    "jvm.memory.total.committed": {
      "value": <int>
    },
    "jvm.memory.total.init": {
      "value": <int>
    },
    "jvm.memory.total.max": {
      "value": <int>
    },
    "jvm.memory.total.used": {
      "value": <int>
    }
  },
  "threads": {
    "jvm.threads.blocked.count": {
      "value": <int>
    },
    "jvm.threads.count": {
      "value": <int>
    }
  },
}
```

```
"jvm.threads.daemon.count": {
  "value": <int>
},
"jvm.threads.deadlock.count": {
  "value": <int>
},
"jvm.threads.deadlocks": {
  "value": []
},
"jvm.threads.new.count": {
  "value": <int>
},
"jvm.threads.runnable.count": {
  "value": <int>
},
"jvm.threads.terminated.count": {
  "value": <int>
},
"jvm.threads.timed_waiting.count": {
  "value": <int>
},
"jvm.threads.waiting.count": {
  "value": <int>
}
}
},
"jvmParameters": {
  "inputArguments": [
    "-Xms4G",
    "-Xmx4G",
    ...
  ],
  "name": "...",
  "specName": "...",
  "specVendor": "...",
  "specVersion": "...",
  "startTime": <long>,
  "systemProperties": {
    "LOG_FILE": "...",
    "LOG_PATH": "...",
    "PID": "...",
    "archaius.configurationSource.additionalUrls": "...",
    "awt.toolkit": "...",
    "file.encoding": "...",
    "file.encoding.pkg": "...",
    "file.separator": "...",
    "gopherProxySet": "...",
    "java.awt.graphicsenv": "...",
    "java.awt.headless": "...",
    "java.awt.printerjob": "...",
    "java.class.version": "...",
    "java.endorsed.dirs": "...",
    "java.ext.dirs": "...",
    "java.home": "...",
    "java.io.tmpdir": "...",
    "java.library.path": "...",
    "java.runtime.name": "...",
    "java.runtime.version": "...",
    "java.specification.name": "...",
    "java.specification.vendor": "...",
    "java.specification.version": "...",
    "java.vendor": "...",
    "java.vendor.url": "...",
```

```
    "java.vendor.url.bug": "...",
    "java.version": "...",
    "java.vm.info": "...",
    "java.vm.name": "...",
    "java.vm.specification.name": "...",
    "java.vm.specification.vendor": "Oracle Corporation",
    "java.vm.specification.version": "...",
    "java.vm.vendor": "...",
    "java.vm.version": "...",
    "line.separator": "...",
    "org.apache.xml.security.ignoreLineBreaks": "...",
    "org.jboss.logging.provider": "...",
    "org.owasp.esapi.SecurityConfiguration": "...",
    "os.arch": "...",
    "os.name": "...",
    "os.version": "...",
    "path.separator": ":",
    "spring.beaninfo.ignore": "...",
    "sun.arch.data.model": "...",
    "sun.boot.library.path": "...",
    "sun.cpu.endian": "...",
    "sun.cpu.isalist": "...",
    "sun.io.unicode.encoding": "...",
    "sun.java.command": "...",
    "sun.java.launcher": "...",
    "sun.jnu.encoding": "...",
    "sun.management.compiler": "...",
    "sun.nio.ch.bugLevel": "...",
    "sun.os.patch.level": "...",
    "user.country": "...",
    "user.country.format": "...",
    "user.dir": "...",
    "user.home": "...",
    "user.language": "...",
    "user.name": "...",
    "user.timezone": "...",
  },
  "uptime": <long>,
  "vmName": "...",
  "vmVendor": "...",
  "vmVersion": "...",
}
},
"statusCode": 0
}
```