

3.0 APPENDIX C JSON Example Data

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3.0 APPENDIX C JSON Example Data

Appendix C: Contents

3.1 Host JSON

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3.1.1 Host - Response Data - Shallow JSON

```
{
  "id": 1, "hostName": "localhost", "description": "localhost",
  "monitorStatus": "UP", "appType": "NAGIOS",
  "deviceIdentification": "127.0.0.1", "deviceDisplayName": null,
  "lastCheckTime": 1369241096000,
  "bubbleUpStatus": "UP", "serviceAvailability": "9.52",
  "acknowledged": false,
  "properties": {
    "LastPluginOutput": "OK - 127.0.0.1: rta 0.039ms, lost 0%",
    "Comments": " ",
    "MaxAttempts": "10",
    "CurrentNotificationNumber": "0",
    "isFlapDetectionEnabled": "false",
    "isEventHandlersEnabled": "true",
    "PerformanceData": "rta=0.039ms;3000.000;5000.000;0; pl=0%;80;100;",
    "PercentStateChange": "0",
    "isPassiveChecksEnabled": "true",
    "isChecksEnabled": "true",
    "Latency": "31",
    "CactiRRDCommand": "Load Average;",
    "isNotificationsEnabled": "false",
    "Alias": "Linux Server #1",
    "isAcknowledged": "false",
    "ScheduledDowntimeDepth": "0",
    "LastStateChange": "May 17, 2013",
    "CurrentAttempt": "1",
    "LastNotificationTime": "0",
    "ExecutionTime": "6"
  }
}
```

3.1.2 Host - Response Data - Deep JSON

```
{ "id": 1, "hostName": "localhost", "description": "localhost", "monitorStatus": "UP",
  "appType": "NAGIOS", "deviceIdentification": "127.0.0.1",
  "lastCheckTime": 1369241096000, "bubbleUpStatus": "UP",
  "serviceAvailability": "9.52", "acknowledged": false,
  "device": {
    "deviceId": 1,
    "displayName": "127.0.0.1",
    "identification": "127.0.0.1",
    "description": "Device localhost"
  }, "hostStatus": {
    "hostStatusId": 1,
    "hostMonitorStatus": {
      "monitorStatusId": 1,
      "name": "UP",
```

```

        "description": "UP"
    },
    "lastCheckTime": 1369241096000,
    "checkType": {
        "checkTypeId": 1,
        "name": "ACTIVE",
        "description": "Active Check"
    },
    "nextCheckTime": 1369241406000,
    "stateType": {
        "stateTypeId": 2,
        "name": "HARD",
        "description": "State Hard"
    }
},
"properties": {
    "LastPluginOutput": "OK - 127.0.0.1: rta 0.039ms, lost 0%",
    "Comments": " ",
    "MaxAttempts": "10",
    "CurrentNotificationNumber": "0",
    "isFlapDetectionEnabled": "false",
    "isEventHandlersEnabled": "true",
    "PerformanceData": "rta=0.039ms;3000.000;5000.000;0; pl=0%;8",
    "PercentStateChange": "0",
    "isPassiveChecksEnabled": "true",
    "isChecksEnabled": "true",
    "Latency": "31",
    "CactiRRDCommand": "Load Average;",
    "isNotificationsEnabled": "false",
    "Alias": "Linux Server #1",
    "isAcknowledged": "false",
    "ScheduledDowntimeDepth": "0",
    "LastStateChange": "May 17, 2013",
    "CurrentAttempt": "1",
    "LastNotificationTime": "0",
    "ExecutionTime": "6"
},
"serviceStatuses": [
{
    "serviceStatusId": 16,
    "serviceDescription": "local_process_gw_listener",
    "lastCheckTime": 1369241007000,
    "nextCheckTime": 1369241607000,
    "lastStateChange": 1368802286000,
    "monitorStatus": "UNSCHEDULED CRITICAL",
    "domain": null,
    "metricType": null,
    "applicationType": "NAGIOS",
    "checkType": "ACTIVE",
    "stateType": "HARD",
    "lastPlugInOutput": "3^^^3^^^0^^^"
},
{
    "serviceStatusId": 12,
    "serviceDescription": "local_mem_nagios",
    "lastCheckTime": 1369240744000,
    "nextCheckTime": 1369241344000,
    "lastStateChange": 1368802143000,
    "monitorStatus": "OK",
    "domain": null,
    "metricType": null,
    "applicationType": "NAGIOS",
    "checkType": "ACTIVE",
    "stateType": "HARD",
    "lastPlugInOutput": "1^^^3^^^0^^^"
}
],
"serviceCount": 21,
"hostGroups": [
{
    "name": "IT",

```

```
    "description": null,
    "alias": "it",
    "appType": "NAGIOS"
  }, {
    "name": "Linux Servers",
    "description": " ",
    "alias": "Linux Servers",
    "appType": "NAGIOS"
  }
],
"applicationType": {
  "applicationTypeId": 100,
  "name": "NAGIOS",
  "description": "System monitored by Nagios",
  "stateTransitionCriteria": "Device;Host;ServiceDescription",
```

```
    "stateTransitionFieldList": null
  }
}
```

3.1.3 Host Query - Response Data - Simple JSON

```
{ "hosts" : [
{
  "id": 6,
  "hostName": "172.28.113.151",
  "description": "172.28.113.151",
  "monitorStatus": "UP",
  "appType": "NAGIOS",
  "deviceIdentification": "172.28.113.151",
  "deviceDisplayName": null,
  "lastCheckTime": 1369240986000,
  "bubbleUpStatus": "UP",
  "serviceAvailability": "50",
  "acknowledged": false
},
{
  "id": 12,
  "hostName": "172.28.113.168",
  "description": "172.28.113.168",
  "monitorStatus": "UP",
  "appType": "NAGIOS",
  "deviceIdentification": "172.28.113.168",
  "deviceDisplayName": null,
  "lastCheckTime": 1369240996000,
  "bubbleUpStatus": "UP",
  "serviceAvailability": "0",
  "acknowledged": false
},
{
  "id": 14,
  "hostName": "demo",
  "description": "demo",
  "monitorStatus": "UP",
  "appType": "NAGIOS",
  "deviceIdentification": "172.28.113.155",
  "deviceDisplayName": null,
  "lastCheckTime": 1369241016000,
  "bubbleUpStatus": "UP",
  "serviceAvailability": "11.11",
  "acknowledged": false
}
]
```

3.1.4 Host Query - Response Data - Sync JSON

```

{
  "hosts" : [ {
    "properties" : {
    },
    "hostName" : "localhost",
    "appType" : "NAGIOS",
    "deviceIdentification" : "127.0.0.1",
    "services" : [ {
      "properties" : {
      },
      "appType" : "NAGIOS",
      "description" : "local_process_gw_listener"
    }, {
      "properties" : {
      },
      "appType" : "NAGIOS",
      "description" : "local_nagios_latency"
    }, {
      "properties" : {
      },
      "appType" : "NAGIOS",
      "description" : "local_mem_java"
    } ]
  } ]
} ]
}

```

3.1.5 Host Post - Post Data JSON

```

{ "hosts":
  [
    {
      "hostName": "host-100", "description": "local_cpu",
      "monitorStatus": "UP", "appType": "NAGIOS",
      "deviceIdentification": "192.168.5.50", "monitorServer": "localhost",
      "deviceDisplayName": "Device-50",
      "properties" : {
        "Latency": "125",
        "UpdatedBy": "admin",
        "Comments": "Testing"
      }
    },
    {
      "hostName": "host-101", "description": "tcp_http",
      "monitorStatus": "UP", "appType": "NAGIOS",
      "deviceIdentification": "192.168.5.51", "monitorServer": "localhost",
      "deviceDisplayName": "Device-51",
      "properties" : {
        "TimeUp": "100",
        "TimeDown": "200",
        "TimeOK": "300"
      }
    }
  ]
}

```

3.1.6 Host Delete - Delete Data JSON

```

[
  { "hostName": "host-100" }, { "hostName": "host-101" }
]

```

From 7.1 release onward, use this format (not valid in 7.0):

```
{ "hostGroups" : [
  { "hostName": "host-100" }, { "hostName": "host-101" }
]
}}
```

3.1.7 Host Autocomplete - Response Data JSON

```
{
  "names" : [ "localhost", "localhost2" ]
}
```

3.2 Host Group JSON

(toc)

3.2.1 HostGroup - Response Data - Shallow JSON

```
{ "id": 5, "name": "Support", "alias": "support", "appType": "NAGIOS",
  "hosts": [
    {
      "id": 17,
      "hostName": "mc-cent5-64-a",
      "description": "mc-cent5-64-a",
      "monitorStatus": "UNSCHEDULED DOWN",
      "appType": "NAGIOS",
      "deviceIdentification": "172.28.113.170",
      "lastCheckTime": 1369241056000,
      "bubbleUpStatus": "UNSCHEDULED DOWN",
      "serviceAvailability": "100",
      "acknowledged": false,
      "serviceCount": 1
    }, {
      "id": 6,
      "hostName": "172.28.113.151",
      "description": "172.28.113.151",
      "monitorStatus": "UP",
      "appType": "NAGIOS",
      "deviceIdentification": "172.28.113.151",
      "lastCheckTime": 1369240986000,
      "bubbleUpStatus": "UP",
      "serviceAvailability": "50",
      "acknowledged": false,
      "serviceCount": 4
    }
  ]
}
```

3.2.2 HostGroup - Response Data - Deep JSON

```
{ "hostGroups" : [
  {
    "id": 6,
    "name": "Eng-QA",
    "alias": "engqa",
    "appType": "NAGIOS",
    "hosts": [
      {
        "id": 19,
        "hostName": "malbec",
        "description": "malbec",
        "monitorStatus": "UP",
        "appType": "NAGIOS",
        "deviceIdentification": "172.28.113.169",

```

```

"lastCheckTime": 1369241106000,
"bubbleUpStatus": "UP",
"serviceAvailability": "0",
"acknowledged": false,
"serviceCount": 3,
"properties": {
    "LastPluginOutput": "OK - 172.28.113.169: rta 0.763ms, lost 0%",
    "Comments": " ",
    "MaxAttempts": "3",
    "CurrentNotificationNumber": "0",
    "isFlapDetectionEnabled": "false",
    "PerformanceData": "rta=0.763ms;3000.000;5000.000;0; pl=0%;80;100;;
rtmax=0.763ms;;; rtmin=0.763ms;;;",
    "isEventHandlersEnabled": "true",
    "PercentStateChange": "0",
    "isPassiveChecksEnabled": "true",
    "isChecksEnabled": "true",
    "Latency": "64",
    "isNotificationsEnabled": "false",
    "Alias": "malbec.groundwork.groundworkopensource.com",
    "isAcknowledged": "false",
    "ScheduledDowntimeDepth": "0",
    "LastStateChange": "May 18, 2013",
    "CurrentAttempt": "1",
    "LastNotificationTime": "0",
    "ExecutionTime": "4"
}
},
{
    "id": 2,
    "hostName": "qa-load-xp-1",
    "description": "qa-load-xp-1",
    "monitorStatus": "UP",
    "appType": "NAGIOS",
    "deviceIdentification": "172.28.113.166",
    "lastCheckTime": 1369240856000,
    "bubbleUpStatus": "UP",
    "serviceAvailability": "0",
    "acknowledged": false,
    "serviceCount": 3,
    "properties": {
        "LastPluginOutput": "OK - 172.28.113.166: rta 4.102ms, lost 0%",
        "Comments": " ",
        "MaxAttempts": "3",
        "CurrentNotificationNumber": "0",
        "isFlapDetectionEnabled": "false",
        "PerformanceData": "rta=4.102ms;3000.000;5000.000;0; pl=0%;80;100;;
rtmax=4.102ms;;; rtmin=4.102ms;;;",
        "isEventHandlersEnabled": "true",
        "PercentStateChange": "0",
        "isPassiveChecksEnabled": "true",
        "isChecksEnabled": "true",
        "Latency": "423",
        "isNotificationsEnabled": "false",
        "Alias": "qa-load-xp-1.groundwork.groundworkopensource.com",
        "isAcknowledged": "false",
        "ScheduledDowntimeDepth": "0",
        "LastStateChange": "May 17, 2013",
        "CurrentAttempt": "1",
        "LastNotificationTime": "0",
        "ExecutionTime": "11"
    }
}
},
],
"applicationType": {
    "applicationTypeId": 100,
    "name": "NAGIOS",
    "description": "System monitored by Nagios",
    "stateTransitionCriteria": "Device;Host;ServiceDescription"
},

```

```
"statistics": [
{
    "name": "CRITICAL",
    "count": 0
},
{
    "name": "WARNING",
    "count": 0
},
{
    "name": "UNKNOWN",
    "count": 0
},
{
    "name": "OK",
    "count": 12
},
{
    "name": "PENDING",
    "count": 0
},
{
    "name": "SCHEDULED CRITICAL",
    "count": 0
},
{
    "name": "UNSCHEDULED CRITICAL",
    "count": 1
}
]
```



```
}  
]  
}
```

3.2.3 HostGroup Post - Post Data JSON

```
{ "hostGroups" : [  
  {  
    "name": "blueGroup", "description": "My Blues Group", "alias": "blue",  
    "hosts" : [{ "hostName" : "localhost" }  
  ]  
  },  
  {  
    "name": "redGroup", "description": "My Red Group", "alias": "red",  
    "hosts" : [  
      { "hostName" : "demo" }, { "hostName" : "localhost" }  
    ]  
  }  
]  
}
```

3.2.4 HostGroup Delete - Delete Data JSON

```
{ "hostGroups" : [  
  { "name": "blueGroup" }, { "name": "blueGroup" }  
]  
}
```

3.2.5 Host Group Autocomplete - Response Data JSON

```
{  
  "names" : [ "HG1", "HG2" ]  
}
```

3.3 Services JSON

(toc)

3.3.1 Services - Response Data - JSON

```
{ "id": 1, "appType": "NAGIOS", "description": "local_cpu_httpd",
"monitorStatus": "OK", "lastCheckTime": 1369241086000,
"nextCheckTime": 1369241686000, "lastStateChange": 1369241086000,
"hostName": "localhost", "metricType": null, "domain": null,
"stateType": "HARD", "checkType": "ACTIVE", "lastHardState": "PENDING",
"properties": {
  "LastPluginOutput": "OK - total %CPU for process httpd : 0.0",
  "Comments": " ",
  "MaxAttempts": "3",
  "CurrentNotificationNumber": "0",
  "isFlapDetectionEnabled": "false",
  "RRDPath": "/usr/local/groundwork/rrd/localhost_local_cpu_httpd.rrd",
  "isEventHandlersEnabled": "true",
  "PerformanceData": "%CPU=0.0;40;50",
  "PercentStateChange": "0",
  "isAcceptPassiveChecks": "true",
  "RRDCommand": "rrdtool graph - DEF:a=\"/usr/local/groundwork/rrd/",
  "isProblemAcknowledged": "false",
  "isChecksEnabled": "true",
  "Latency": "998",
  "RemoteRRDCommand": " ",
  "isNotificationsEnabled": "false",
  "ScheduledDowntimeDepth": "0",
  "RRDLabel": "CPU Utilization",
  "CurrentAttempt": "1",
  "LastNotificationTime": "0",
  "ExecutionTime": "187"
}
}
```

3.3.2 Services Query - Response Data - JSON

```

{ "services" : [
  {
    "id": 67,
    "appType": "NAGIOS",
    "description": "http_alive",
    "monitorStatus": "OK",
    "lastCheckTime": 1369240607000,
    "nextCheckTime": 1369241207000,
    "lastStateChange": 1369240607000,
    "hostName": "malbec",
    "metricType": null,
    "domain": null,
    "stateType": "HARD",
    "checkType": "ACTIVE",
    "lastHardState": "PENDING",
    "properties": {
      "LastPluginOutput": "HTTP OK: HTTP/1.1 200 OK - 1269 bytes in 0.002 second",
      "Comments": " ",
      "MaxAttempts": "3",
      "CurrentNotificationNumber": "0",
      "isFlapDetectionEnabled": "false",
      "RRDPath": "/usr/local/groundwork/rrd/malbec_http_alive.rrd",
      "PerformanceData": "time=0.002119s;4.000000;7.000000;0.000000 size=1269B;;0",
      "isEventHandlersEnabled": "true",
      "PercentStateChange": "0",
      "isAcceptPassiveChecks": "true",
      "RRDCommand": "rrdtool graph - --imgformat=PNG ",
      "isChecksEnabled": "true",
      "isProblemAcknowledged": "false",
      "Latency": "950",
      "RemoteRRDCommand": " ",
      "isNotificationsEnabled": "false",
      "ScheduledDowntimeDepth": "0",
      "RRDLabel": "Response Time",
      "CurrentAttempt": "1",
      "LastNotificationTime": "0",
      "ExecutionTime": "7"
    }
  },{
    "id": 62,
    "appType": "NAGIOS",
    "description": "http_alive",
    "monitorStatus": "OK",
    "lastCheckTime": 1369240584000,
    "nextCheckTime": 1369241184000,
    "lastStateChange": 1369240584000,
    "hostName": "qa-sles-11-64-2",
    "metricType": null,
    "domain": null,
    "stateType": "HARD",
    "checkType": "ACTIVE",
    "lastHardState": "PENDING"
  }
]
}

```

3.3.3 Services Post - Post Data JSON

```

{
  "services" : [
    {
      "hostName": "localhost", "monitorServer": "localhost",
      "deviceIdentification" : "127.0.0.1",
      "description": "service-109", "appType": "NAGIOS", "monitorStatus": "OK",
      "lastCheckTime": "2013-05-22T09:36:47-07:00",
      "nextCheckTime": "2013-05-22T09:46:47-07:00",
      "lastStateChange": "2013-05-22T09:36:47-07:00",
      "stateType": "HARD", "checkType": "ACTIVE", "lastHardState": "PENDING",
      "properties": {
        "LastPluginOutput": "HTTP OK: HTTP/1.1 200 OK",
        "MaxAttempts": "3",
        "Latency": "950",
        "ExecutionTime": "7"
      }
    },
    {
      "hostName": "localhost", "monitorServer": "localhost",
      "deviceIdentification" : "127.0.0.1",
      "description": "service-110", "appType": "NAGIOS", "monitorStatus": "OK",
      "lastCheckTime": "2013-05-22T09:36:47-07:00",
      "nextCheckTime": "2013-05-22T09:46:47-07:00",
      "lastStateChange": "2013-05-22T09:36:47-07:00",
      "stateType": "HARD", "checkType": "ACTIVE", "lastHardState": "PENDING",
      "properties": {
        "LastPluginOutput": "HTTPS OK: HTTPS/1.1 200 OK",
        "MaxAttempts": "1",
        "Latency": "100",
        "ExecutionTime": "30"
      }
    }
  ]
}

```

3.3.4 Services Delete - Delete Data JSON

```

{
  "services" : [
    {
      "hostName": "localhost", "description": "service-109"
    }, {
      "hostName": "localhost", "description": "service-110"
    }
  ]
}

```

3.3.5 Service Autocomplete - Response Data JSON

```

{
  "names" : [ "local_cpu_httpd", "local_cpu_java" ]
}

```

3.4 Devices JSON

(toc)

3.4.1 Devices - Response Data - Shallow JSON

```
{
  "id": 1,
  "identification": "127.0.0.1",
  "displayName": "127.0.0.1",
  "description": "Device localhost"
}
```

3.4.2 Devices - Response Data - Deep JSON

```
{
  "id": 1, "identification": "127.0.0.1",
  "displayName": "127.0.0.1",
  "description": "Device localhost",
  "hosts": [
    {
      "id": 1,
      "hostName": "localhost",
      "description": "localhost",
      "monitorStatus": "UP",
      "appType": "NAGIOS",
      "deviceIdentification": "127.0.0.1",
      "lastCheckTime": 1369241096000,
      "bubbleUpStatus": "UP",
      "serviceAvailability": "9.52",
      "acknowledged": false,
      "serviceCount": 21
    }
  ],
  "monitorServers": [
    {
      "monitorServerId": 1,
      "monitorServerName": "localhost",
      "ip": "127.0.0.1",
      "description": "Default Monitor Server"
    }
  ]
}
```

3.4.3 Devices Query - Response Data - Shallow JSON

```
{
  "devices": [
    {
      "id": 1,
      "displayName": "127.0.0.1",
      "identification": "127.0.0.1",
      "description": "Device localhost"
    },
    {
      "id": 16,
      "displayName": "qa-sles-11-64-2",
      "identification": "172.28.113.150"
    },
    {
      "id": 6,
      "displayName": "172.28.113.151",
      "identification": "172.28.113.151"
    },
    {
      "id": 5,
      "displayName": "do-win7-1",
      "identification": "172.28.113.152"
    }
  ]
}
```

3.4.4 Devices Post - Post Data JSON

```
{ "devices" : [
  {
    "displayName": "device-900", "identification": "172.28.128.100",
    "hosts" : [
      { "abc.com" : "Host ABC" }, { "def.com" : "Host DEF" }
    ],
    "monitorServers" : [{
      "monitorServerName" : "ms1",
      "ip" : "182.80.100.212"
    }
  ]
}
]
```

3.4.5 Devices Remove - Remove Data JSON

```
{ "devices" : [{ "identification": "172.28.128.100" }
]
```

3.5 Events JSON

(toc)

3.5.1 Events Query - Response Data - JSON

```

{ "events" : [
  {
    "id": 5,
    "device": "127.0.0.1",
    "host": "localhost",
    "service": "local_cpu_perl",
    "operationStatus": "ACCEPTED",
    "monitorStatus": "OK",
    "severity": "OK",
    "applicationSeverity": "OK",
    "component": "OK",
    "priority": "Lowest Priority in a scale from 1-10",
    "typeRule": "UNDEFINED",
    "textMessage": "OK - total %CPU for process perl : 4.1",
    "firstInsertDate": 1368801972000,
    "lastInsertDate": 1368801972000,
    "reportDate": 1368801994057,
    "msgCount": 1,
    "appType": "NAGIOS",
    "properties": [
      {
        "name": "ErrorType",
        "value": "SERVICE ALERT"
      }, {
        "name": "SubComponent",
        "value": "localhost:local_cpu_perl"
      }
    ]
  },
  {
    "id": 4,
    "device": "127.0.0.1",
    "host": "localhost",
    "service": "local_cpu_nagios",
    "operationStatus": "ACCEPTED",
    "monitorStatus": "OK",
    "severity": "OK",
    "applicationSeverity": "OK",
    "component": "OK",
    "priority": "Lowest Priority in a scale from 1-10",
    "typeRule": "UNDEFINED",
    "textMessage": "OK - total %CPU for process nagios : 0.0",
    "firstInsertDate": 1368801943000,
    "lastInsertDate": 1368801943000,
    "reportDate": 1368801963951,
    "msgCount": 1,
    "appType": "NAGIOS",
    "properties": [
      {
        "name": "ErrorType",
        "value": "SERVICE ALERT"
      }, {
        "name": "SubComponent",
        "value": "localhost:local_cpu_nagios"
      }
    ]
  }
]
}

```

3.5.2. Events Post - Post Data JSON

```

{ "events": [
  {
    "host": "localhost",
    "monitorServer": "localhost",
    "service": "local_load",
    "appType": "NAGIOS",
    "textMessage": "This is a serious Nagios Message on Device 127.0.0.1",
    "monitorStatus": "UP",
    "severity": "SERIOUS",
    "consolidationName": "NAGIOSEVENT",
    "device": "127.0.0.1",
    "reportDate": "2013-06-02T10:55:32.943",
    "properties": {
      "Comments": "Additional comments",
      "Latency": "125.0"
    }
  }
]
}

```

3.5.3 Events Properties Update - Put Data JSON

```

{
  "events" : [
    {
      "id" : "4809",
      "properties" : {
        "Latency" : "126.31",
        "UpdatedBy" : "UnitTesterABC",
        "Comments" : "This is a test 11."
      }
    },
    {
      "id" : "4810",
      "properties" : {
        "Latency" : "127.31",
        "UpdatedBy" : "UnitTesterAB",
        "Comments" : "This is a test 22."
      }
    }
  ]
}

```

3.6 Statistics - JSON

(toc)

1. Total Host Statistics


```

{ "totalHosts": 20, "totalServices": 131, "name": "_ALL_", "availability": 75.0,
  "properties": [
    {
      "name": "DOWN",
      "count": 0
    },
    {
      "name": "UNREACHABLE",
      "count": 0
    },
    {
      "name": "PENDING",
      "count": 0
    },
    {
      "name": "UP",
      "count": 15
    },
    {
      "name": "SCHEDULED DOWN",
      "count": 0
    },
    {
      "name": "UNSCHEDULED DOWN",
      "count": 5
    }
  ]
}

```

2. Total Services Statistics

```

{ "totalHosts": 20, "totalServices": 131, "name": "_ALL_", "availability": 0.0,
  "properties": [
    {
      "name": "CRITICAL",
      "count": 0
    },
    {
      "name": "WARNING",
      "count": 2
    },
    {
      "name": "UNKNOWN",
      "count": 0
    },
    {
      "name": "OK",
      "count": 114
    },
    {
      "name": "PENDING",
      "count": 0
    },
    {
      "name": "SCHEDULED CRITICAL",
      "count": 0
    },
    {
      "name": "UNSCHEDULED CRITICAL",
      "count": 15
    }
  ]
}

```

3. Host Statistics for two hosts, grouped by host

```

{ "totalHosts": 2, "totalServices": 0, "name": "'localhost','support-xp-1'", "availability":
0.0,
"properties": [
{
    "name": "DOWN",
    "count": 0
},
{
    "name": "UNREACHABLE",
    "count": 0
},
{
    "name": "PENDING",
    "count": 0
},
{
    "name": "UP",
    "count": 1
},
{
    "name": "SCHEDULED DOWN",
    "count": 0
}, {
    "name": "UNSCHEDULED DOWN",
    "count": 1
}
]
}

```

4. Host Statistics group by Host Group

```

{ "statistics" : [
{
    "totalHosts": 2,
    "totalServices": 23,
    "name": "IT",
    "availability": 100.0,
    "properties": [
    {
        "name": "DOWN",
        "count": 0
    },
    {
        "name": "UNREACHABLE",
        "count": 0
    },
    {
        "name": "PENDING",
        "count": 0
    },
    {
        "name": "UP",
        "count": 2
    },
    {
        "name": "SCHEDULED DOWN",
        "count": 0
    }, {
        "name": "UNSCHEDULED DOWN",
        "count": 0
    }
    ]
},
{
    "totalHosts": 1,
    "totalServices": 4,
    "name": "HGI",

```

```

"availability": 100.0,
"properties": [
  {
    "name": "DOWN",
    "count": 0
  },
  {
    "name": "UNREACHABLE",
    "count": 0
  },
  {
    "name": "PENDING",
    "count": 0
  },
  {
    "name": "UP",
    "count": 1
  },
  {
    "name": "SCHEDULED DOWN",
    "count": 0
  }, {
    "name": "UNSCHEDULED DOWN",
    "count": 0
  }
]
},
{
"totalHosts": 5,
"totalServices": 75,
"name": "Engineering",
"availability": 60.0,
"properties": [
  {
    "name": "DOWN",
    "count": 0
  },
  {
    "name": "UNREACHABLE",
    "count": 0
  },
  {
    "name": "PENDING",
    "count": 0
  },
  {
    "name": "UP",
    "count": 3
  },
  {
    "name": "SCHEDULED DOWN",
    "count": 0
  }, {
    "name": "UNSCHEDULED DOWN",
    "count": 2
  }
]
},
{
"totalHosts": 10,
"totalServices": 55,
"name": "Linux Servers",
"availability": 100.0,
"bubbleUpStatus": null,
"properties": [
  {
    "name": "DOWN",
    "count": 0
  },
  {

```

```
        "name": "UNREACHABLE",
        "count": 0
    },
    {
        "name": "PENDING",
        "count": 0
    },
    {
        "name": "UP",
        "count": 10
    },
    {
        "name": "SCHEDULED DOWN",
        "count": 0
    }, {
        "name": "UNSCHEDULED DOWN",
        "count": 0
    }
    ]
},
{
    "totalHosts": 4,
    "totalServices": 12,
    "name": "Support",
    "availability": 75.0,
    "properties": [
        {
            "name": "DOWN",
            "count": 0
        },
        {
            "name": "UNREACHABLE",
            "count": 0
        },
        {
            "name": "PENDING",
            "count": 0
        },
        {
            "name": "UP",
            "count": 3
        },
        {
            "name": "SCHEDULED DOWN",
            "count": 0
        }, {
            "name": "UNSCHEDULED DOWN",
            "count": 1
        }
    ]
}
```

```
}  
]  
}
```

5. Service statistics grouped by host groups

```
{ "statistics" : [  
  {  
    "totalHosts": 2,  
    "totalServices": 23,  
    "name": "IT",  
    "availability": 86.0,  
    "properties": [  
      {  
        "name": "CRITICAL",  
        "count": 0  
      },  
      {  
        "name": "WARNING",  
        "count": 0  
      },  
      {  
        "name": "UNKNOWN",  
        "count": 0  
      },  
      {  
        "name": "OK",  
        "count": 20  
      },  
      {  
        "name": "PENDING",  
        "count": 0  
      },  
      {  
        "name": "SCHEDULED CRITICAL",  
        "count": 0  
      }, {  
        "name": "UNSCHEDULED CRITICAL",  
        "count": 3  
      }  
    ]  
  },  
  {  
    "totalHosts": 1,  
    "totalServices": 4,  
    "name": "HG1",  
    "availability": 50.0,  
    "properties": [  
      {  
        "name": "CRITICAL",  
        "count": 0  
      },  
      {  
        "name": "WARNING",  
        "count": 0  
      },  
      {  
        "name": "UNKNOWN",  
        "count": 0  
      },  
      {  
        "name": "OK",  
        "count": 2  
      },  
      {  
        "name": "PENDING",  
        "count": 0  
      }  
    ]  
  }  
]
```

```
    },  
    {  
      "name": "SCHEDULED CRITICAL",  
      "count": 0  
    }, {  
      "name": "UNSCHEDULED CRITICAL",  
      "count": 2  
    }  
  ]  
}
```

```
}  
]  
}
```

6. Service statistics grouped by a service groups

```
{ "statistics" : [  
  {  
    "totalHosts": 0,  
    "totalServices": 8,  
    "name": "web-svr",  
    "availability": 75.0,  
    "bubbleUpStatus": null,  
    "properties": [  
      {  
        "name": "CRITICAL",  
        "count": 0  
      },  
      {  
        "name": "WARNING",  
        "count": 0  
      },  
      {  
        "name": "UNKNOWN",  
        "count": 0  
      },  
      {  
        "name": "OK",  
        "count": 6  
      },  
      {  
        "name": "PENDING",  
        "count": 0  
      },  
      {  
        "name": "SCHEDULED CRITICAL",  
        "count": 0  
      }, {  
        "name": "UNSCHEDULED CRITICAL",  
        "count": 2  
      }  
    ]  
  },  
  {  
    "totalHosts": 0,  
    "totalServices": 2,  
    "name": "SG1",  
    "availability": 100.0,  
    "properties": [  
      {  
        "name": "CRITICAL",  
        "count": 0  
      },  
      {  
        "name": "WARNING",  
        "count": 0  
      },  
      {  
        "name": "UNKNOWN",  
        "count": 0  
      },  
      {  
        "name": "OK",  
        "count": 2  
      },  
      {  
        "name": "PENDING",  
        "count": 0  
      }  
    ]  
  }  
]
```

```
{
  "count": 0
},
  "name": "SCHEDULED CRITICAL",
  "count": 0
},{
  "name": "UNSCHEDULED CRITICAL",
  "count": 0
}
]
```



```
}  
]  
}
```

7. Host availability for a host group named HG1

```
{"availability": 100.0, "queryBy": "hosts", "queryParam": "hostGroup", "queryValue": "HG1"}
```

8. Service availability for a host group named HG1

```
{"availability": 50.0, "queryBy": "services", "queryParam": "hostGroup", "queryValue": "HG1"}
```

9. Service availability for a service group named SG1

```
{"availability": 100.0, "queryBy": "services", "queryParam": "serviceGroup", "queryValue":  
"SG1"}
```

3.7 Categories JSON

(toc)

3.7.1 Categories - Response Data - Shallow JSON

```
{  
  "id" : 63,  
  "name" : "TEST-2",  
  "entityTypeName" : "SERVICE_GROUP",  
  "childNames" : [ "TEST-B" ],  
  "root" : true  
}
```

3.7.2 Categories - Response Data - Deep JSON

```
{  
  "id" : 63,  
  "name" : "TEST-2",  
  "entityTypeName" : "SERVICE_GROUP",  
  "childNames" : [ "TEST-B" ],  
  "root" : true,  
  "applicationType" : {  
    "properties" : {  
    }  
  },  
  "entityType" : {  
    "id" : 23,  
    "name" : "SERVICE_GROUP",  
    "description" : "com.groundwork.collage.model.impl.ServiceGroup",  
    "applicationTypeSupported" : false,  
    "logicalEntity" : true  
  },  
  "children" : [ {  
    "id" : 65,  
    "name" : "TEST-B",  
    "entityTypeName" : "SERVICE_GROUP",  
    "parentNames" : [ "TEST-A", "TEST-2" ],  
    "root" : false  
  } ]  
}
```

3.7.3 Categories - Response Data - Full JSON

```

{
  "id" : 63,
  "name" : "TEST-2",
  "entityTypeName" : "SERVICE_GROUP",
  "childNames" : [ "TEST-B" ],
  "root" : true,
  "applicationType" : {
    "properties" : {
    }
  },
  "entityType" : {
    "id" : 23,
    "name" : "SERVICE_GROUP",
    "description" : "com.groundwork.collage.model.impl.ServiceGroup",
    "applicationTypeSupported" : false,
    "logicalEntity" : true
  },
  "children" : [ {
    "id" : 65,
    "name" : "TEST-B",
    "entityTypeName" : "SERVICE_GROUP",
    "parentNames" : [ "TEST-2", "TEST-A" ],
    "root" : false,
    "applicationType" : {
      "properties" : {
      }
    },
    "entityType" : {
      "id" : 23,
      "name" : "SERVICE_GROUP",
      "description" : "com.groundwork.collage.model.impl.ServiceGroup",
      "applicationTypeSupported" : false,
      "logicalEntity" : true
    },
    "parents" : [ {
      "id" : 63,
      "name" : "TEST-2",
      "entityTypeName" : "SERVICE_GROUP",
      "childNames" : [ "TEST-B" ],
      "root" : true
    }, {
      "id" : 64,
      "name" : "TEST-A",
      "entityTypeName" : "SERVICE_GROUP",
      "childNames" : [ "TEST-B" ],
      "root" : true
    } ],
    "entities" : [ {
      "id" : 31,
      "objectID" : 1024,
      "entityTypeId" : 2,
      "entityTypeName" : "SERVICE_STATUS"
    } ]
  } ]
}

```

3.7.4 Categories Query - Response Data - Shallow JSON

```

{
  "categories" : [ {
    "id" : 62,
    "name" : "TEST-1",
    "entityTypeName" : "SERVICE_GROUP",
    "root" : true
  }, {
    "id" : 63,
    "name" : "TEST-2",
    "entityTypeName" : "SERVICE_GROUP",
    "childNames" : [ "TEST-B" ],
    "root" : true
  }, {
    "id" : 64,
    "name" : "TEST-A",
    "entityTypeName" : "SERVICE_GROUP",
    "childNames" : [ "TEST-B" ],
    "root" : true
  }, {
    "id" : 65,
    "name" : "TEST-B",
    "entityTypeName" : "SERVICE_GROUP",
    "parentNames" : [ "TEST-A", "TEST-2" ],
    "root" : false
  } ]
}

```

3.7.5 Categories Post - Post Data JSON

```

{
  "categories": [
    {
      "name" : "TEST-A",
      "entityTypeName" : "SERVICE_GROUP",
    }, {
      "name" : "TEST-B",
      "entityTypeName" : "SERVICE_GROUP",
      "entities" : [ {
        "objectID" : 1024,
        "entityTypeName" : "SERVICE_STATUS"
      } ]
    } ]
}

```

3.7.6 Categories Put - Post Data JSON

```

{
  "categoryUpdates": [ {
    "entityTypeName" : "SERVICE_GROUP",
    "categoryName" : "TEST-A",
    "create" : "AS_ROOT"
  }, {
    "entityTypeName" : "SERVICE_GROUP",
    "categoryName" : "TEST-B",
    "create" : "AS_CHILD",
    "parentName" : "TEST-A"
  }, {
    "entityTypeName" : "SERVICE_GROUP",
    "categoryName" : "TEST-B",
    "modify" : "ADD_CHILD",
    "otherCategoryNames" : [ "TEST-2" ]
  } ]
}

```

3.8 Property Types JSON

(toc)

3.8.1 Property Types Query Response Data JSON

Lookup by name:

```
{
  "id" : 40,
  "name" : "AcknowledgeComment",
  "description" : "",
  "dataType" : "STRING"
}
```

Query:

```
{
  "propertyTypes" : [{
    "id" : 37,
    "name" : "30DayMovingAvg",
    "description" : "",
    "dataType" : "DOUBLE"
  }, {
    "id" : 40,
    "name" : "AcknowledgeComment",
    "description" : "",
    "dataType" : "STRING"
  }
]}
```

3.8.2 Property Types Post Data JSON

```
{
  "propertyTypes" : [{
    "name" : "unusedCPU",
    "description" : "Measures unused CPU usage",
    "dataType" : "DOUBLE"
  }, {
    "name" : "virtualName",
    "description" : "Name of virtual appliance",
    "dataType" : "STRING"
  }
]}
```

3.9 Application Types JSON

(toc)

3.9.1 Application Types Query Response Data JSON

Lookup by name:

```
{
  "id" : 200,
  "name" : "VEMA",
  "description" : "Virtual Environment Monitor Agent",
  "stateTransitionCriteria" : "Device;Host;ServiceDescription"
}
```

Query:

```

{
  "applicationTypes" :
  [
    {
      "id" : 104,
      "name" : "ARCHIVE",
      "description" : "Archiving related messages",
      "stateTransitionCriteria" : "Device;Host"
    },
    {
      "id" : 105,
      "name" : "BSM",
      "description" : "Business Service Monitoring",
      "stateTransitionCriteria" : "Device;Host"
    },
    {
      "id" : 103,
      "name" : "CHRHEV",
      "description" : "Cloud Hub for Red Hat Virtualization",
      "stateTransitionCriteria" : "Device;Host;ServiceDescription"
    }
  ]
}

```

3.9.2 Application Types Post Data JSON

```

{ "applicationTypes":
  [
    {
      "name" : "NEWONE",
      "description" : "Virtual Environment Monitor Agent",
      "stateTransitionCriteria" : "Device;Host;ServiceDescription",
      "entityProperties" : [{
        "propertyType" : "isAcknowledged",
        "entityType" : "HOST_STATUS",
        "sortOrder" : 82
      }, {
        "propertyType" : "LastPluginOutput",
        "entityType" : "HOST_STATUS",
        "sortOrder" : 80
      }, {
        "propertyType" : "LastPluginOutput",
        "entityType" : "SERVICE_STATUS",
        "sortOrder" : 81
      }, {
        "propertyType" : "PerformanceData",
        "entityType" : "SERVICE_STATUS",
        "sortOrder" : 83
      } ]
    }
  ]
}

```

3.10 Entity Types JSON

(toc)

3.10.1 Entity Types Query Response Data JSON

Lookup by name:

```
{
  "id" : 5,
  "name" : "HOST",
  "description" : "com.groundwork.collage.model.impl.Host",
  "applicationTypeSupported" : false,
  "logicalEntity" : false
}
```

Query:

```
{
  "entityTypes" : [{
    "id" : 7,
    "name" : "APPLICATION_TYPE",
    "description" : "com.groundwork.collage.model.impl.ApplicationType",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }, {
    "id" : 8,
    "name" : "CATEGORY",
    "description" : "com.groundwork.collage.model.impl.Category",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }, {
    "id" : 9,
    "name" : "CHECK_TYPE",
    "description" : "com.groundwork.collage.model.impl.CheckType",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }, {
    "id" : 10,
    "name" : "COMPONENT",
    "description" : "com.groundwork.collage.model.impl.Component",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }, {
    "id" : 4,
    "name" : "DEVICE",
    "description" : "com.groundwork.collage.model.impl.Device",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }, {
    "id" : 5,
    "name" : "HOST",
    "description" : "com.groundwork.collage.model.impl.Host",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }, {
    "id" : 6,
    "name" : "HOSTGROUP",
    "description" : "com.groundwork.collage.model.impl.HostGroup",
    "applicationTypeSupported" : false,
    "logicalEntity" : false
  }
  ]}]}
```

3.11 Consolidation JSON

(toc)

3.11.1 Consolidation Query Response Data JSON

Lookup by name:

```
{
  "id" : 4,
  "name" : "SYSLOG",
  "criteria" : "OperationStatus;Device;MonitorStatus;ipaddress;ErrorType;SubComponent"
}
```

Query:

```
{
  "consolidations" : [{
    "consolidationId" : 2,
    "name" : "NAGIOSEVENT",
    "criteria" : "Device;MonitorStatus;OperationStatus;SubComponent;ErrorType"
  }, {
    "consolidationId" : 3,
    "name" : "SNMPTRAP",
    "criteria" :
      "OperationStatus;Device;ipaddress;MonitorStatus;Event_OID_numeric;Event_Name;Category;Variable_Bindings"
  }, {
    "consolidationId" : 4,
    "name" : "SYSLOG",
    "criteria" : "OperationStatus;Device;MonitorStatus;ipaddress;ErrorType;SubComponent"
  }, {
    "consolidationId" : 1,
    "name" : "SYSTEM",
    "criteria" : "OperationStatus;Device;MonitorStatus;ApplicationType;TextMessage"
  } ]
}
```

3.11.2 Consolidation Criteria POST Data JSON

```
{ "consolidations":
  [
    {
      "name" : "VEMA",
      "criteria": "MonitorStatus;ApplicationType"
    },
    {
      "name" : "BMS",
      "criteria": "Device;ApplicationType"
    }
  ]
}
```

3.12 Notifications JSON

(toc)

3.12.1 Host Notification POST Data JSON

```
{
  "notifications" : [
    {
      "hostName" : "server-12",
      "hostAddress" : "10.0.0.11",
      "hostGroupNames" : "group-21,group-22",
      "hostNotificationId" : "331",
      "hostOutput" : "Hypervisor cannot be reached to determine the status",
      "hostState" : "UP",
      "notificationComment" : "Cloud Hub Host Notification",
      "notificationRecipients" : "admin@gwos.com",
      "notificationType" : "RECOVERY",
      "checkDateTime" : "2014-04-14 12:39:33",
      "notificationAuthOrAlias" : "alias"
    },{
      "hostName" : "server-13",
      "hostAddress" : "10.0.0.12",
      "hostGroupNames" : "group-21,group-22",
      "hostNotificationId" : "453",
      "hostOutput" : "Application Server is rebooting",
      "hostState" : "PENDING",
      "notificationComment" : "Java Agent Host Notification",
      "notificationRecipients" : "admin@gwos.com",
      "notificationType" : "PROBLEM",
      "checkDateTime" : "2014-04-14 12:39:33",
      "notificationAuthOrAlias" : "alias"
    }
  ]
}
```

3.12.2 Service Notification POST Data JSON


```

{
  "notifications" : [
  {
    "hostName" : "server-12",
    "serviceDescription" : "local_cpu_nagios",
    "hostAddress" : "10.0.0.11",
    "hostGroupNames" : "group-21,group-22",
    "hostAlias" : "host1",
    "serviceGroupNames" : "sg1,sg2",
    "serviceOutput" : "Service cannot be reached to determine the status",
    "serviceState" : "UNKNOWN",
    "serviceNotificationId" : "433",
    "notificationComment" : "Cloud Hub Host Notification",
    "notificationRecipients" : "admin@gwos.com",
    "notificationType" : "RECOVERY",
    "checkDateTime" : "2014-04-14 07:21:33",
    "notificationAuthOrAlias" : "alias"
  },{
    "hostName" : "server-13",
    "serviceDescription" : "vm.cpu_util",
    "hostAddress" : "10.0.0.12",
    "hostGroupNames" : "group-21,group-22",
    "hostAlias" : "host2",
    "serviceGroupNames" : "sg3,sg4",
    "serviceOutput" : "Service cannot be reached to determine the status",
    "serviceState" : "UNKNOWN",
    "serviceNotificationId" : "433",
    "notificationComment" : "Cloud Hub Host Notification",
    "notificationRecipients" : "admin@gwos.com",
    "notificationType" : "RECOVERY",
    "checkDateTime" : "2014-04-14 07:21:33",
    "notificationAuthOrAlias" : "alias"
  }
  ]
}

```

3.13 Perf Data JSON

(toc)

3.13.1 Perf Data POST Data JSON

```
{
  "perfDataList" : [
    {
      "appType" : "OS",
      "label" : "CPU Utilized",
      "serverName" : "localhost",
      "serverTime" : 1397512737,
      "serviceName" : "vm.cpu_util",
      "value" : "65",
      "critical" : "95",
      "warning" : "85"
    }, {
      "appType" : "OS",
      "label" : "Memory Usage",
      "serverName" : "localhost",
      "serverTime" : 1397512737,
      "serviceName" : "host.free_ram_mb",
      "value" : "200",
      "critical" : "400",
      "warning" : "300",
      "tagNames" : [ "test" ],
      "tagValues" : [ "value" ],
      "cpuTag" : "0",
      "typeTag" : "core"
    }
  ]
}
```

3.13.2 Performance Time Series JSON Data

```

{
  "appType" : "VEMA",
  "serverName" : "loadtest-vm-0",
  "serviceName" : "loadtest-vm-metric-0",
  "startTime" : 1443208066000,
  "endTime" : 1443208366000,
  "interval" : 30000,
  "perfDataTimeSeriesValues" : [ {
    "valueType" : "value",
    "timestamp" : 1443208110000,
    "value" : 36.0
  }, {
    "valueType" : "value",
    "timestamp" : 1443208170000,
    "value" : 27.0
  }, {
    "valueType" : "value",
    "timestamp" : 1443208230000,
    "value" : 20.0
  }, {
    "valueType" : "value",
    "timestamp" : 1443208290000,
    "value" : 13.0
  }, {
    "valueType" : "thold-c",
    "timestamp" : 1443208110000,
    "value" : 100.0
  }, {
    "valueType" : "thold-c",
    "timestamp" : 1443208170000,
    "value" : 100.0
  }, {
    "valueType" : "thold-c",
    "timestamp" : 1443208230000,
    "value" : 100.0
  }, {
    "valueType" : "thold-c",
    "timestamp" : 1443208290000,
    "value" : 100.0
  }, {
    "valueType" : "thold-w",
    "timestamp" : 1443208110000,
    "value" : 90.0
  }, {
    "valueType" : "thold-w",
    "timestamp" : 1443208170000,
    "value" : 90.0
  }, {
    "valueType" : "thold-w",
    "timestamp" : 1443208230000,
    "value" : 90.0
  }, {
    "valueType" : "thold-w",
    "timestamp" : 1443208290000,
    "value" : 90.0
  } ]
}

```

3.14 Audit Log JSON

(toc)

3.14.1 Audit Log - Response Data - JSON

```

{
  "auditLogs": [ {
    "auditLogId" : 33,
    "subsystem" : "SV",
    "hostName" : "server_2",
    "action" : "DELETE",
    "description" : "Test deletion server 2.",
    "username" : "admin",
    "timestamp" : "2014-09-26T14:03:25.600-0600",
    "serviceDescription" : "network_users"
  }, {
    "auditLogId" : 32,
    "subsystem" : "SV",
    "hostName" : "server_2",
    "action" : "ADD",
    "description" : "Test addition server 2.",
    "username" : "admin",
    "timestamp" : "2014-09-26T14:03:25.600-0600",
    "serviceDescription" : "local_processes"
  } ]
}

```

3.15 Host Identity JSON

(toc)

3.15.1 Host Identity - Response Data - JSON

```

{
  "hostIdentityId" : "8fb9a880-f093-4892-a0f3-b1a403b49e5e",
  "hostName" : "test-host-name-2",
  "hostNames" : [ "test-host-name-2", "9e1b25a0-e036-4ce1-bf01-56c9cc8934ce" ],
  "host" : false
}

```

```

{
  "hostIdentities" : [ {
    "hostIdentityId" : "1267adf2-6437-11e4-82be-002219ed08d3",
    "hostName" : "test-host-name-0",
    "hostNames" : [ "test-host-name-0" ],
    "host" : false
  }, {
    "hostIdentityId" : "12c545e8-6437-11e4-82bf-002219ed08d3",
    "hostName" : "test-host-name-1",
    "hostNames" : [ "test-host-name-1", "test-host-name-1.0", "test-host-name-1.1" ],
    "host" : false
  }, {
    "hostIdentityId" : "8fb9a880-f093-4892-a0f3-b1a403b49e5e",
    "hostName" : "test-host-name-2",
    "hostNames" : [ "9e1b25a0-e036-4ce1-bf01-56c9cc8934ce", "test-host-name-2" ],
    "host" : false
  } ]
}

```

3.15.2 Host Identity Autocomplete - Response Data - JSON

```

{
  "names" : [ "localhost", "localhost2" ]
}

```

3.16 Host Blacklist JSON

(toc)

3.16.1 Host Blacklist - Response Data - JSON

```
{  
  "hostBlacklistId" : 14,  
  "hostName" : "test-host-name-2"  
}
```

```
{  
  "hostBlacklists" : [ {  
    "hostBlacklistId" : 12,  
    "hostName" : "test-host-name-0"  
  }, {  
    "hostBlacklistId" : 13,  
    "hostName" : "test-host-name-1"  
  }, {  
    "hostBlacklistId" : 14,  
    "hostName" : "test-host-name-2"  
  } ]  
}
```

3.17 Biz Downtime JSON

(toc)

3.17.1 Biz downtime - Request Data - JSON

```
{  
  "hostNames" : [ "host0", "host1" ],  
  "serviceDescriptions" : [ "*" ]  
}
```

```
{  
  "serviceDescriptions" : [ "*" ],  
  "serviceGroupCategoryNames" : [ "HTTP Services", "Email Services" ]  
}
```

```
{  
  "hostNames" : [ "*" ],  
  "serviceDescriptions" : [ "*" ],  
  "hostGroupNames" : [ "Linux Servers" ]  
}
```

3.17.2 Biz downtime - Response Data - JSON

```

{
  "bizHostServiceInDowntimes" : [ {
    "hostName" : "host0",
    "serviceDescription" : "local_memory",
    "scheduledDowntimeDepth" : 1,
    "entityType" : "HOSTGROUP",
    "entityName" : "Linux Servers"
  }, {
    "hostName" : "host1",
    "serviceDescription" : "local_memory",
    "scheduledDowntimeDepth" : 1,
    "entityType" : "HOSTGROUP",
    "entityName" : "Linux Servers"
  } ]
}

```

3.18 Device Template Profile JSON

(toc)

3.18.1 Device Template Profile - Response Data - JSON

```

{
  "deviceTemplateProfileId" : 36,
  "deviceIdentification" : "test-device-identification-2",
  "deviceDescription" : "test device identification 2",
  "monarchHostProfile" : "monarch-host-profile",
  "timestamp" : "2014-11-26T11:01:29.056-0700"
}

```

```

{
  "deviceTemplateProfiles" : [ {
    "deviceTemplateProfileId" : 34,
    "deviceIdentification" : "test-device-identification-0",
    "deviceDescription" : "test device identification 0",
    "timestamp" : "2014-11-26T11:01:29.056-0700"
  }, {
    "deviceTemplateProfileId" : 35,
    "deviceIdentification" : "test-device-identification-1",
    "deviceDescription" : "test device identification 1",
    "cactiHostTemplate" : "cacti-host-template",
    "timestamp" : "2014-11-26T11:01:29.056-0700"
  }, {
    "deviceTemplateProfileId" : 36,
    "deviceIdentification" : "test-device-identification-2",
    "deviceDescription" : "test device identification 2",
    "monarchHostProfile" : "monarch-host-profile",
    "timestamp" : "2014-11-26T11:01:29.056-0700"
  } ]
}

```

3.19 Custom Groups JSON

(toc)

3.19.1 Custom Group - Response Data

```

{
  "id" : 11,
  "name" : "TEST-CUSTOM-GROUP-0",
  "description" : "TEST-CUSTOM-GROUP-0",
  "appType" : "NAGIOS",
  "agentId" : "TEST-AGENT",
  "root" : true,
  "hostGroups" : [ {
    "id" : 4,
    "name" : "TEST-HOST-GROUP-0",
    "alias" : "TEST-HOST-GROUP-0",
    "appType" : "NAGIOS"
  } ]
}

```

3.19.2 Custom Groups Query - Response Data

```

{
  "customGroups" : [ {
    "id" : 11,
    "name" : "TEST-CUSTOM-GROUP-0",
    "description" : "TEST-CUSTOM-GROUP-0",
    "appType" : "NAGIOS",
    "agentId" : "TEST-AGENT",
    "root" : true,
    "hostGroups" : [ {
      "id" : 4,
      "name" : "TEST-HOST-GROUP-0",
      "alias" : "TEST-HOST-GROUP-0",
      "appType" : "NAGIOS"
    } ]
  }, {
    "id" : 12,
    "name" : "TEST-CUSTOM-GROUP-1",
    "agentId" : "TEST-AGENT",
    "root" : true,
    "serviceGroups" : [ {
      "id" : 10,
      "name" : "TEST-SERVICE-GROUP-0"
    } ]
  } ]
}

```

3.19.3 Custom Groups Post - Post Data

```

{
  "customGroups" : [ {
    "name" : "TEST-CUSTOM-GROUP-0",
    "description" : "TEST-CUSTOM-GROUP-0",
    "appType" : "NAGIOS",
    "agentId" : "TEST-AGENT",
    "hostGroupNames" : [ "TEST-HOST-GROUP-0" ]
  }, {
    "name" : "TEST-CUSTOM-GROUP-1",
    "agentId" : "TEST-AGENT",
    "serviceGroupNames" : [ "TEST-SERVICE-GROUP-0" ]
  }, {
    "name" : "TEST-CUSTOM-GROUP-2",
    "appType" : "NAGIOS"
  }, {
    "name" : "TEST-CUSTOM-GROUP-3"
  } ]
}

```

3.19.4 Custom Group Put - Post Data

```
{
  "name" : "TEST-CUSTOM-GROUP-0",
  "hostGroupNames" : ["TEST-HOST-GROUP-1"]
}
```

3.19.5 Custom Group Autocomplete - Response Data

```
{
  "names" : [ "CG1", "CG2" ]
}
```

3.20 Service Groups JSON

(toc)

3.20.1 Service Group - Response Data, (service properties elided here for the sake of brevity)

```
{
  "id" : 29,
  "name" : "SG-200",
  "description" : "Service Group 200",
  "appType" : "VEMA",
  "appTypeDisplayName" : "VEMA",
  "agentId" : "Agent-007",
  "services" : [ {
    "properties" : {
    },
    "id" : 2,
    "appType" : "NAGIOS",
    "description" : "local_cpu_java",
    "monitorStatus" : "OK",
    "lastCheckTime" : "2013-05-22T10:37:15.000-0600",
    "nextCheckTime" : "2013-05-22T10:47:15.000-0600",
    "lastStateChange" : "2013-05-17T08:57:15.000-0600",
    "hostName" : "localhost",
    "stateType" : "HARD",
    "checkType" : "ACTIVE",
    "lastHardState" : "PENDING",
    "monitorServer" : "localhost",
    "deviceIdentification" : "127.0.0.1",
    "lastPlugInOutput" : "1^^^3^^^0^^^05/17/2013 08:57:15 AM^^^OK - total %CPU for process java :
2.8^^^%CPU=2.8;40;50"
  }, {
    "properties" : {
    },
    "id" : 4,
    "appType" : "NAGIOS",
    "description" : "local_cpu_perl",
    "monitorStatus" : "OK",
    "lastCheckTime" : "2013-05-22T10:36:13.000-0600",
    "nextCheckTime" : "2013-05-22T10:46:13.000-0600",
    "lastStateChange" : "2013-05-17T08:46:12.000-0600",
    "hostName" : "localhost",
    "stateType" : "HARD",
    "checkType" : "ACTIVE",
    "lastHardState" : "PENDING",
    "monitorServer" : "localhost",
    "deviceIdentification" : "127.0.0.1",
    "lastPlugInOutput" : "1^^^3^^^0^^^05/17/2013 08:46:12 AM^^^OK - total %CPU for process perl :
0.7^^^%CPU=0.7;40;50"
  } ]
}
```


3.20.2 Service Groups Query - Response Data, (service properties elided here for the sake of brevity)

```
{
  "serviceGroups" : [ {
    "id" : 29,
    "name" : "SG-200",
    "description" : "Service Group 200",
    "appType" : "VEMA",
    "appTypeDisplayName" : "VEMA",
    "agentId" : "Agent-007",
    "services" : [ {
      "properties" : {
      },
      "id" : 2,
      "appType" : "NAGIOS",
      "description" : "local_cpu_java",
      "monitorStatus" : "OK",
      "lastCheckTime" : "2013-05-22T10:37:15.000-0600",
      "nextCheckTime" : "2013-05-22T10:47:15.000-0600",
      "lastStateChange" : "2013-05-17T08:57:15.000-0600",
      "hostName" : "localhost",
      "stateType" : "HARD",
      "checkType" : "ACTIVE",
      "lastHardState" : "PENDING",
      "monitorServer" : "localhost",
      "deviceIdentification" : "127.0.0.1",
      "lastPlugInOutput" : "1^^^3^^^0^^^05/17/2013 08:57:15 AM^^^OK - total %CPU for process java :
2.8^^^%CPU=2.8;40;50"
    }, {
      "properties" : {
      },
      "id" : 4,
      "appType" : "NAGIOS",
      "description" : "local_cpu_perl",
      "monitorStatus" : "OK",
      "lastCheckTime" : "2013-05-22T10:36:13.000-0600",
      "nextCheckTime" : "2013-05-22T10:46:13.000-0600",
      "lastStateChange" : "2013-05-17T08:46:12.000-0600",
      "hostName" : "localhost",
      "stateType" : "HARD",
      "checkType" : "ACTIVE",
      "lastHardState" : "PENDING",
      "monitorServer" : "localhost",
      "deviceIdentification" : "127.0.0.1",
      "lastPlugInOutput" : "1^^^3^^^0^^^05/17/2013 08:46:12 AM^^^OK - total %CPU for process perl :
0.7^^^%CPU=0.7;40;50"
    } ]
  } ]
}
```

3.20.3 Service Groups Post - Post Data

```

{
  "serviceGroups" : [ {
    "name" : "SG-200",
    "description" : "Service Group 200",
    "appType" : "VEMA",
    "agentId" : "Agent-007",
    "services" : [ {
      "service" : "local_cpu_java",
      "host" : "localhost"
    }, {
      "service" : "local_cpu_perl",
      "host" : "localhost"
    } ]
  } ]
}

```

3.20.4 Service Group Put - Post Data

```

{
  "name" : "SG-200",
  "services" : [{
    "service" : "local_load",
    "host" : "localhost"
  }, {
    "service" : "local_users",
    "host" : "localhost"
  } ]
}

```

3.20.5 Service Group Autocomplete - Response Data

```

{
  "names" : [ "SG1", "SG2" ]
}

```

3.21 Biz Service Authorization JSON

(toc)

3.21.1 Biz Service Authorization - Request Data - JSON

```

{
  "hostGroupNames" : ["Linux Servers"],
  "serviceGroupNames" : ["local"]
}

```

3.21.2 Biz Service Authorization - Response Data - JSON

```

{
  "hostNames" : [ "localhost" ],
  "serviceHostNames" : {
    "local_cpu_httpd" : [ "localhost" ],
    "local_cpu_java" : [ "localhost" ],
    "local_cpu_syslog-ng" : [ "localhost" ],
    "local_swap" : [ "localhost" ],
    "local_process_nagios" : [ "localhost" ],
    "tcp_http" : [ "localhost" ]
  }
}

```

3.22 Suggestions JSON

(toc)

3.22.1 Suggestions - Query Response Data - JSON

```
{
  "count" : 18,
  "suggestions" : [ {
    "name" : "local_cpu_httpd",
    "entityType" : "SERVICE"
  }, {
    "name" : "local_cpu_java",
    "entityType" : "SERVICE"
  }, {
    "name" : "local_cpu_nagios",
    "entityType" : "SERVICE"
  } ]
}
```

3.22.2 Suggestions - Names Response Data - JSON

```
{
  "names" : [ "localhost" ]
}
```

3.23 License Check JSON

(toc)

3.23.1 License Check - Check Response Data - JSON

```
{
  "success" : true,
  "message" : "OK to allocate 0 devices",
  "devicesRequested" : 0,
  "devices" : 1
}
```

3.24 Biz Feeder JSON

(toc)

3.24.1 Biz Create or Update Hosts - Hosts Request Data - JSON

```

{
  "hosts" : [ {
    "properties" : {
    },
    "host" : "host6",
    "status" : "UP",
    "message" : "UP",
    "hostGroup" : "hosts",
    "device" : "10.0.0.6",
    "appType" : "NAGIOS",
    "agentId" : "a4ca80e0-e855-43ee-86d8-f4e499f0a824",
    "checkIntervalMinutes" : 5,
    "allowInserts" : true,
    "mergeHosts" : true,
    "setStatusOnCreate" : true,
    "services" : [ {
      "properties" : {
      },
      "host" : "host6",
      "service" : "local_cpu_httpd",
      "status" : "OK",
      "message" : "OK - 10",
      "serviceGroup" : "cpu",
      "hostGroup" : "hosts",
      "device" : "10.0.0.6",
      "appType" : "NAGIOS",
      "agentId" : "a4ca80e0-e855-43ee-86d8-f4e499f0a824",
      "serviceValue" : "10",
      "metricType" : "vm",
      "warningLevel" : 50,
      "criticalLevel" : 90,
      "checkIntervalMinutes" : 5,
      "allowInserts" : true,
      "mergeHosts" : true,
      "setStatusOnCreate" : true
    }, {
      "properties" : {
      },
      "host" : "host6",
      "service" : "local_cpu_java",
      "status" : "OK",
      "message" : "OK - 20",
      "serviceGroup" : "cpu",
      "hostGroup" : "hosts",
      "device" : "10.0.0.6",
      "appType" : "NAGIOS",
      "agentId" : "a4ca80e0-e855-43ee-86d8-f4e499f0a824",
      "serviceValue" : "20",
      "metricType" : "vm",
      "warningLevel" : 75,
      "criticalLevel" : 90,
      "checkIntervalMinutes" : 5,
      "allowInserts" : true,
      "mergeHosts" : true,
      "setStatusOnCreate" : true
    } ]
  } ]
} ]
}

```

3.24.2 Biz Create or Update Hosts - Results Data - JSON

```
{
  "successful" : 3,
  "failed" : 0,
  "entityType" : "Host",
  "operation" : "Update",
  "warning" : 0,
  "results" : [ {
    "entity" : "host6",
    "status" : "success",
    "location" : "http://localhost:8080/foundation-webapp/api/hosts/host6",
    "message" : "Update"
  }, {
    "entity" : "host6:local_cpu_httpd",
    "status" : "success",
    "location" : "http://localhost:8080/foundation-webapp/api/services/local_cpu_httpd%3FhostName=host6",
    "message" : "Update"
  }, {
    "entity" : "host6:local_cpu_java",
    "status" : "success",
    "location" : "http://localhost:8080/foundation-webapp/api/services/local_cpu_java%3FhostName=host6",
    "message" : "Update"
  } ],
  "count" : 3
}
```

3.24.3 Biz Create or Update Services - Services Request Data - JSON

```

{
  "services" : [ {
    "properties" : {
    },
    "host" : "host6",
    "service" : "local_cpu_httpd",
    "status" : "PENDING",
    "message" : "PENDING - new",
    "serviceGroup" : "cpu",
    "hostGroup" : "hosts",
    "device" : "10.0.0.6",
    "appType" : "NAGIOS",
    "agentId" : "a4ca80e0-e855-43ee-86d8-f4e499f0a824",
    "warningLevel" : -1,
    "criticalLevel" : -1,
    "checkIntervalMinutes" : 5,
    "allowInserts" : true,
    "mergeHosts" : true,
    "setStatusOnCreate" : false
  }, {
    "properties" : {
    },
    "host" : "host6",
    "service" : "local_cpu_java",
    "status" : "PENDING",
    "message" : "PENDING - new",
    "serviceGroup" : "cpu",
    "hostGroup" : "hosts",
    "device" : "10.0.0.6",
    "appType" : "NAGIOS",
    "agentId" : "a4ca80e0-e855-43ee-86d8-f4e499f0a824",
    "warningLevel" : -1,
    "criticalLevel" : -1,
    "checkIntervalMinutes" : 5,
    "allowInserts" : true,
    "mergeHosts" : true,
    "setStatusOnCreate" : false
  } ]
}

```

3.24.4 Biz Create or Update Services - Results Data - JSON

```
{
  "successful" : 3,
  "failed" : 0,
  "entityType" : "ServiceStatus",
  "operation" : "Update",
  "warning" : 0,
  "results" : [ {
    "entity" : "host6",
    "status" : "success",
    "location" : "http://localhost:8080/foundation-webapp/api/hosts/host6",
    "message" : "Insert"
  }, {
    "entity" : "host6:local_cpu_httpd",
    "status" : "success",
    "location" : "http://localhost:8080/foundation-webapp/api/services/local_cpu_httpd%3FhostName=host6",
    "message" : "Insert"
  }, {
    "entity" : "host6:local_cpu_java",
    "status" : "success",
    "location" : "http://localhost:8080/foundation-webapp/api/services/local_cpu_java%3FhostName=host6",
    "message" : "Insert"
  } ],
  "count" : 3
}
```