Node-wide info (Managed Instance)

Last updated by | Vitor Tomaz | Aug 5, 2020 at 12:43 PM PDT

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//**********************************************************************************
// Node wide info
//**********************************************************************************

// N.01
// Perfmon Counter oneminute for CPU and DISK
// TOP N in each category
// watch out
//    1. total CPU %
//    2. individual CPU % pegged to 100% is not good either
MonCounterOneMinute
| where TIMESTAMP > datetime({StartTime}) and TIMESTAMP < datetime({EndTime})
| where NodeName =~ "{NodeName}" and ClusterName =~ "{ClusterName}"
| extend Category = case(CounterName =~  @"\Memory\Available MBytes", "Memory",
    strlen(extract(@"\\Processor\([0-9]{1,2}\)\\% (Privileged Time|Processor Time)", 0, CounterName,
typeof(string))) >0, "Processor",
    strlen(extract(@"\\Processor\(_Total\)\\% (Processor Time|Privileged Time)", 0, CounterName, typeof(string)))
>0, "Total Processor",
    strlen(extract(@"\\LogicalDisk\([A-Z]:\)\\Avg. Disk sec/(Read|Write)", 0, CounterName, typeof(string))) >0,
"Disk", "Other")
| where Category != "Other"
| top-nested of bin(TIMESTAMP, 5min) by avg(CounterValue), top-nested of Category by avg(CounterValue),
top-nested 5 of CounterName by Avg_CounterValue=avg(CounterValue) desc
| sort by TIMESTAMP asc nulls last
| project TIMESTAMP, CounterName , Avg_CounterValue
| render timechart


// N.02
// Perfmon Counter oneminute for available MB memory
MonCounterOneMinute
| where TIMESTAMP > datetime({StartTime}) and TIMESTAMP < datetime({EndTime})
| where NodeName =~ "{NodeName}" and ClusterName =~ "{ClusterName}"
| where CounterName =~  @"\Memory\Available MBytes"
| summarize avg(CounterValue) by bin(TIMESTAMP, 5min),  CounterName
| render timechart


// N.03
// Node System Event log error summary
MonSystemEventLogErrors
| where TIMESTAMP > datetime({StartTime}) and TIMESTAMP < datetime({EndTime})
| where NodeName =~ "{NodeName}" and ClusterName =~ "{ClusterName}"
| summarize Count=count(), min(TIMESTAMP), max(TIMESTAMP),   min(EventDescription)by EventID
```

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| order by Count desc nulls last


// N.04
// Node Application log error summary
MonAppEventLogErrors
| where TIMESTAMP > datetime({StartTime}) and TIMESTAMP < datetime({EndTime})
| where NodeName =~ "{NodeName}" and ClusterName =~ "{ClusterName}"
| summarize Count=count(), min(TIMESTAMP), max(TIMESTAMP),   min(EventDescription)by EventID
| order by Count desc nulls last
```

How good have you found this content?