

LV SYSTEM - Task #827

Bug # 565 (Closed): Monitor latency disk, pci ssd trên các host esxi, proxmox

Cập nhật script latency disk vcenter site HCM

03-06-2024 10:58 - Minh Pham

Trạng thái:	Closed	Bắt đầu:	03-06-2024
Mức ưu tiên:	Normal	Hết hạn:	09-06-2024
Phân công cho:	Minh Pham	Tiến độ:	0%
Chủ đề:		Thời gian ước lượng:	0:00 giờ
Phiên bản:		Thời gian:	0:00 giờ

Mô tả

Mục tiêu : Lấy giá trị max latency disk trên esxi host bằng vcenter để chính xác hơn

Kết quả thực hiện:

Cập nhật script latency disk vcenter site FPT HCM

```
$ClusterName='POOL21-CS'
$Cluster = Get-Cluster -Name $ClusterName
$ESXs = $Cluster | Get-VMHost | Where {$_.ConnectionState -eq 'Connected'}
Foreach ($ESX in $ESXs){
    $scsidevs = $ESX | Get-Scsilun | Where {$_.Model -notmatch 'iSCSI'}
    $esxccli = $ESX | Get-ESXCCLI -v2
    $arguments = $esxccli.storage.core.device.smart.get.CreateArgs()
    foreach ($scsidev in $scsidevs){
        write-host "Gathering Smart-Data from $scsidev.canonicalName"
        $arguments.devicename = $scsidev.canonicalName
        $smart = $esxccli.storage.core.device.smart.get.Invoke($arguments)
        $healthstatus = ($smart | Where {$_.Parameter -contains 'Health Status'}).Value
        $readerror = ($smart | Where {$_.Parameter -like 'Read Error Count'}).Value
        $writeerror = ($smart | Where {$_.Parameter -contains 'Write Error Count'}).Value
        $temperature = ($smart | Where {$_.Parameter -contains 'Drive Temperature'}).Value

        $latencydisk = Get-Stat -Entity $ESX -Disk -Realtime -Instance $scsidev -MaxSamples 5 -Stat disk.totalWriteLatency.average,disk.totalReadLatency.average
        $readlatencydisks = ($latencydisk | Where {$_.MetricID -contains 'disk.totalReadLatency.average'}).Value
        $writelatencydisks = ($latencydisk | Where {$_.MetricID -contains 'disk.totalWriteLatency.average'}).Value
        $readlatencydisk = ($writelatencydisks | Measure-Object -Maximum).Maximum
        $readlatencydisk = ($readlatencydisks | Measure-Object -Maximum).Maximum

        $ESX1=$ESX.name
        $disk=$scsidev.canonicalName
        if ($temperature -eq "N/A") { $temperature= 0}
        if ($readerror -eq "N/A") { $readerror="N/A"}
        if ($writeerror -eq "N/A") { $writeerror="N/A"}
        if ($healthstatus -eq "IMPENDING FAILURE" ) { $healthstatus="IMPENDING-FAILURE"}
        Invoke-WebRequest -Uri $Uri -Header $Header -Method POST -Body "disk,1cluster=$ClusterName,2host=$ESX1,3disk=$disk,4healthstatus=$healthstatus,5readerror=$readerror,6writeerror=$writeerror,7temperature=$temperature"
    }
}

$ClusterName='POOL22-SC'
$Cluster = Get-Cluster -Name $ClusterName
$ESXs = $Cluster | Get-VMHost | Where {$_.ConnectionState -eq 'Connected'}
Foreach ($ESX in $ESXs){
    $scsidevs = $ESX | Get-Scsilun | Where {$_.Model -notmatch 'iSCSI'}
    $esxccli = $ESX | Get-ESXCCLI -v2
    $arguments = $esxccli.storage.core.device.smart.get.CreateArgs()
    foreach ($scsidev in $scsidevs){
        write-host "Gathering Smart-Data from $scsidev.canonicalName"
        $arguments.devicename = $scsidev.canonicalName
        $smart = $esxccli.storage.core.device.smart.get.Invoke($arguments)
        $healthstatus = ($smart | Where {$_.Parameter -contains 'Health Status'}).Value
        $readerror = ($smart | Where {$_.Parameter -like 'Read Error Count'}).Value
        $writeerror = ($smart | Where {$_.Parameter -contains 'Write Error Count'}).Value
        $temperature = ($smart | Where {$_.Parameter -contains 'Drive Temperature'}).Value
    }
}
```

Activate Windows

```
Gathering Smart-Data from t10.ATA_____SEAGATE_ST6000NM0024_____Z4D2CPCG_____.canonicalName
BaseResponse : StatusCode: 204, ReasonPhrase: 'No Content', Version: 1.1, Content: System.Net.Http.HttpConnectionResponseContent, Headers:
{
  X-Influxdb-Build: OSS
  X-Influxdb-Version: v2.7.1
  Date: Mon, 10 Jun 2024 02:01:06 GMT
}
Content : {}
Headers : {[X-Influxdb-Build, System.String[]], [X-Influxdb-Version, System.String[]], [Date, System.String[]]}
RawContent : HTTP/1.1 204 NoContent
X-Influxdb-Build: OSS
X-Influxdb-Version: v2.7.1
Date: Mon, 10 Jun 2024 02:01:06 GMT

RawContentLength : 0
RawContentStream : Microsoft.PowerShell.Commands.WebResponseContentMemoryStream
RelationLink : {}
StatusCode : 204
StatusDescription : NoContent

Gathering Smart-Data from t10.ATA_____SAMSUNG_M27GE960HMP2D00005_____S1Y2NYAFA03174_____.canonicalName
BaseResponse : StatusCode: 204, ReasonPhrase: 'No Content', Version: 1.1, Content: System.Net.Http.HttpConnectionResponseContent, Headers:
{
  X-Influxdb-Build: OSS
  X-Influxdb-Version: v2.7.1
  Date: Mon, 10 Jun 2024 02:01:08 GMT
}
Content : {}
Headers : {[X-Influxdb-Build, System.String[]], [X-Influxdb-Version, System.String[]], [Date, System.String[]]}
RawContent : HTTP/1.1 204 NoContent
X-Influxdb-Build: OSS
X-Influxdb-Version: v2.7.1
Date: Mon, 10 Jun 2024 02:01:08 GMT

RawContentLength : 0
RawContentStream : Microsoft.PowerShell.Commands.WebResponseContentMemoryStream
RelationLink : {}
StatusCode : 204
StatusDescription : NoContent
```

Dashboard check disk full pool 19

VSAN / Monitor Disk Full ☆

Tổng Disk **1587**

Tổng Host **340**

Cluster	Host	Disk	Status	Readerror/Reallocated	Writeerror	Read latency	Write latency	Temperature
POOL19	10.2.168.37	mpx.vmhba32:C0:T0:L0	OK	100	N/A	2	50	74
POOL19	10.2.168.35	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	81	N/A	10	25	27
POOL19	10.2.168.32	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	80	N/A	5	25	26
POOL19	10.2.168.32	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	81	N/A	9	22	27
POOL19	10.2.168.35	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	81	N/A	5	17	25
POOL19	10.2.168.35	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	81	N/A	2	17	26
POOL19	10.2.168.37	mpx.vmhba32:C0:T0:L0	OK	100	N/A	2	14	75
POOL19	10.2.168.33	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	83	N/A	9	14	25
POOL19	10.2.168.35	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	81	N/A	2	13	26
POOL19	10.2.168.32	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	81	N/A	6	13	27
POOL19	10.2.168.37	mpx.vmhba32:C0:T0:L0	OK	100	N/A	2	12	73
POOL19	10.2.168.33	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	83	N/A	7	12	26
POOL19	10.2.168.33	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	83	N/A	10	12	26
POOL19	10.2.168.32	t10.ATA_____SEAGATE_ST6000NM0024_____	OK	80	N/A	8	11	26
POOL19	10.2.168.58	mpx.vmhba32:C0:T0:L0	OK	100	N/A	1	7	70
POOL19	10.2.168.58	mpx.vmhba32:C0:T0:L0	OK	100	N/A	1	6	71

1 - 16 of 3718 rows

Lược sử

#1 - 03-06-2024 10:59 - Minh Pham

- Mô tả cập nhật
- Trạng thái thay đổi từ New tới In Progress

#2 - 10-06-2024 09:04 - Minh Pham

- Tập tin clipboard-202406100902-9pfkv.png được thêm
- Tập tin clipboard-202406100903-fxu5i.png được thêm
- Mô tả cập nhật

#3 - 10-06-2024 09:08 - Minh Pham

- Tập tin clipboard-202406100908-evh1q.png được thêm

- Mô tả cập nhật

- Trạng thái thay đổi từ In Progress tới Closed

Tập tin

clipboard-202406100902-9pfkv.png	141 KB	10-06-2024	Minh Pham
clipboard-202406100903-fxu5i.png	160 KB	10-06-2024	Minh Pham
clipboard-202406100908-evh1q.png	346 KB	10-06-2024	Minh Pham