Enable diskspace check.

USE [master]

GO

-- this turns on advanced options and is needed to configure xp\_cmdshell

sp\_configure 'show advanced options', '1'

RECONFIGURE

-- this enables xp\_cmdshell

sp\_configure 'xp\_cmdshell', '1'

RECONFIGURE

USE [master]

GO

/\*\*\*\*\*\* Object: Table [dbo].[disc\_space] Script Date: 2020-04-15 04:08:36 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[disc\_space](

[id] [int] IDENTITY(1,1) NOT NULL,

[createdON] [smalldatetime] NULL,

[drivename] [varchar](10) NULL,

[capacity] [int] NULL,

[freespace] [int] NULL,

[quota] AS (round(((100)\*CONVERT([float],[freespace]))/[capacity],(1)))

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[disc\_space] ADD CONSTRAINT [DF\_disc\_space\_createdON] DEFAULT (getdate()) FOR [createdON]

GO

USE [master];

GRANT SELECT ON [dbo].[disc\_space] TO public;

GO

USE [master]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[SP\_CheckDiskSpace] Script Date: 2020-04-15 04:09:19 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- =============================================

-- Author: <Author,,Name>

-- Create date: <Create Date,,>

-- Description: <Description,,>

-- =============================================

CREATE PROCEDURE [dbo].[SP\_CheckDiskSpace]

-- Add the parameters for the stored procedure here

AS

BEGIN

-- SET NOCOUNT ON added to prevent extra result sets from

-- interfering with SELECT statements.

SET NOCOUNT ON;

declare @svrName varchar(255)

declare @sql varchar(400)

--by default it will take the current server name, we can the set the server name as well

set @svrName = @@SERVERNAME

set @sql = 'powershell.exe -c "Get-WmiObject -ComputerName ' + QUOTENAME(@svrName,'''') + ' -Class Win32\_Volume -Filter ''DriveType = 3'' | select name,capacity,freespace | foreach{$\_.name+''|''+$\_.capacity/1048576+''%''+$\_.freespace/1048576+''\*''}"'

--creating a temporary table

CREATE TABLE #output

(line varchar(255))

--inserting disk name, total space and free space value in to temporary table

insert #output

EXEC xp\_cmdshell @sql

--script to retrieve the values in MB from PS Script output

insert into [dbo].[disc\_space] ([drivename],[capacity],[freespace])

select rtrim(ltrim(SUBSTRING(line,1,CHARINDEX('|',line) -1))) as drivename

,round(cast(rtrim(ltrim(SUBSTRING(line,CHARINDEX('|',line)+1,

(CHARINDEX('%',line) -1)-CHARINDEX('|',line)) )) as Float),0) as 'capacity(MB)'

,round(cast(rtrim(ltrim(SUBSTRING(line,CHARINDEX('%',line)+1,

(CHARINDEX('\*',line) -1)-CHARINDEX('%',line)) )) as Float),0) as 'freespace(MB)'

from #output

where line like '[A-Z][:]%'

order by drivename;

END

GO

USE [msdb]

GO

/\*\*\*\*\*\* Object: Job [DiskSpace] Script Date: 2020-04-15 04:10:14 \*\*\*\*\*\*/

BEGIN TRANSACTION

DECLARE @ReturnCode INT

SELECT @ReturnCode = 0

/\*\*\*\*\*\* Object: JobCategory [[Uncategorized (Local)]] Script Date: 2020-04-15 04:10:14 \*\*\*\*\*\*/

IF NOT EXISTS (SELECT name FROM msdb.dbo.syscategories WHERE name=N'[Uncategorized (Local)]' AND category\_class=1)

BEGIN

EXEC @ReturnCode = msdb.dbo.sp\_add\_category @class=N'JOB', @type=N'LOCAL', @name=N'[Uncategorized (Local)]'

IF (@@ERROR <> 0 OR @ReturnCode <> 0) GOTO QuitWithRollback

END

DECLARE @jobId BINARY(16)

EXEC @ReturnCode = msdb.dbo.sp\_add\_job @job\_name=N'DiskSpace',

@enabled=1,

@notify\_level\_eventlog=0,

@notify\_level\_email=0,

@notify\_level\_netsend=0,

@notify\_level\_page=0,

@delete\_level=0,

@description=N'No description available.',

@category\_name=N'[Uncategorized (Local)]',

@owner\_login\_name=N'AD\SELUMEDA\_A', @job\_id = @jobId OUTPUT

IF (@@ERROR <> 0 OR @ReturnCode <> 0) GOTO QuitWithRollback

/\*\*\*\*\*\* Object: Step [discspace] Script Date: 2020-04-15 04:10:14 \*\*\*\*\*\*/

EXEC @ReturnCode = msdb.dbo.sp\_add\_jobstep @job\_id=@jobId, @step\_name=N'discspace',

@step\_id=1,

@cmdexec\_success\_code=0,

@on\_success\_action=1,

@on\_success\_step\_id=0,

@on\_fail\_action=2,

@on\_fail\_step\_id=0,

@retry\_attempts=0,

@retry\_interval=0,

@os\_run\_priority=0, @subsystem=N'TSQL',

@command=N'[dbo].[SP\_CheckDiskSpace]',

@database\_name=N'master',

@flags=0

IF (@@ERROR <> 0 OR @ReturnCode <> 0) GOTO QuitWithRollback

EXEC @ReturnCode = msdb.dbo.sp\_update\_job @job\_id = @jobId, @start\_step\_id = 1

IF (@@ERROR <> 0 OR @ReturnCode <> 0) GOTO QuitWithRollback

EXEC @ReturnCode = msdb.dbo.sp\_add\_jobschedule @job\_id=@jobId, @name=N'syspolicy\_purge\_history\_schedule',

@enabled=1,

@freq\_type=4,

@freq\_interval=1,

@freq\_subday\_type=1,

@freq\_subday\_interval=0,

@freq\_relative\_interval=0,

@freq\_recurrence\_factor=0,

@active\_start\_date=20080101,

@active\_end\_date=99991231,

@active\_start\_time=20000,

@active\_end\_time=235959,

@schedule\_uid=N'dbb7fff4-9093-4105-8375-e20ea20ef591'

IF (@@ERROR <> 0 OR @ReturnCode <> 0) GOTO QuitWithRollback

EXEC @ReturnCode = msdb.dbo.sp\_add\_jobserver @job\_id = @jobId, @server\_name = N'(local)'

IF (@@ERROR <> 0 OR @ReturnCode <> 0) GOTO QuitWithRollback

COMMIT TRANSACTION

GOTO EndSave

QuitWithRollback:

IF (@@TRANCOUNT > 0) ROLLBACK TRANSACTION

EndSave:

GO