



Использование дисковых ресурсов в виртуальной инфраструктуре

Создание отчета за 2 минуты с помощью Veeam Reporter Enterprise

Типовые проблемы обслуживания инфраструктур:

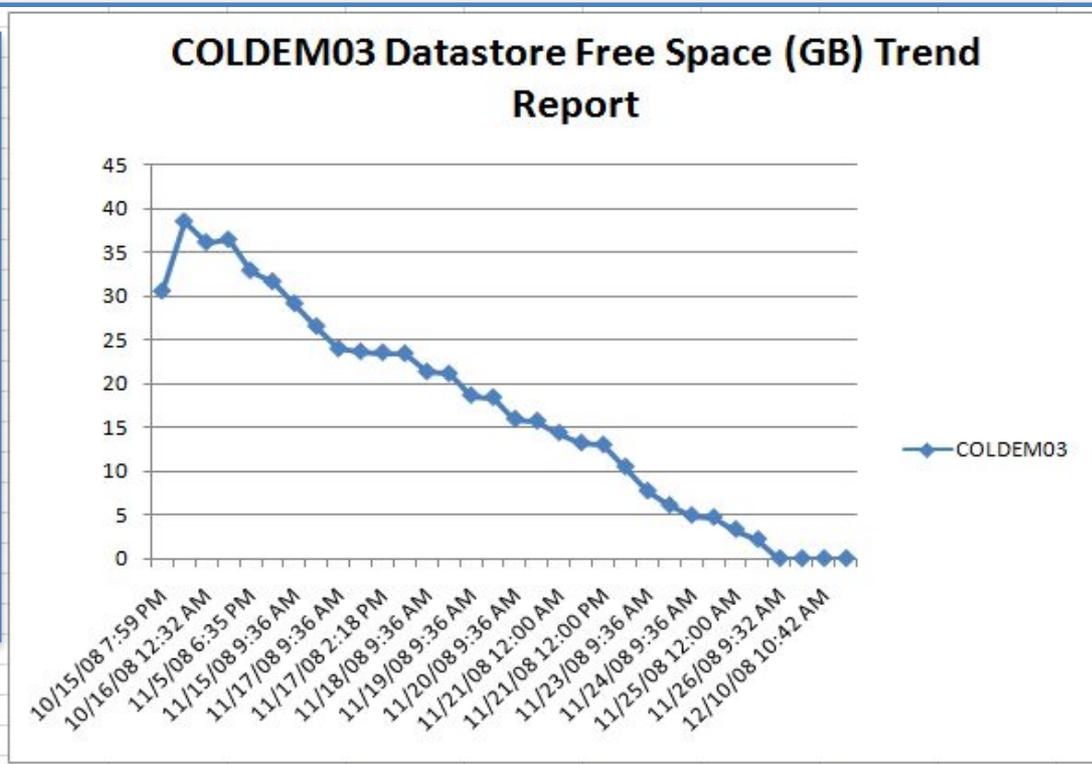
- Как получить отчет о текущем заполнении дисковых ресурсов?
- Как планировать использование дисковых ресурсов и расширение возможностей СХД?
- Как перейти от реактивного реагирования на проблемы ИТ – к ПРОактивному?
- Как понять, насколько хватит места на СХД?

Пример отчета: Динамика использования свободного места на хранилище

Использование
свободного места
на хранилище по дням в
ГБ

Отчет строится в Excel с
использованием данных
из Veeam Reporter
Enterprise

Помогает планировать
ресурсы ОХД



10/15/08 9:51 PM 38.481

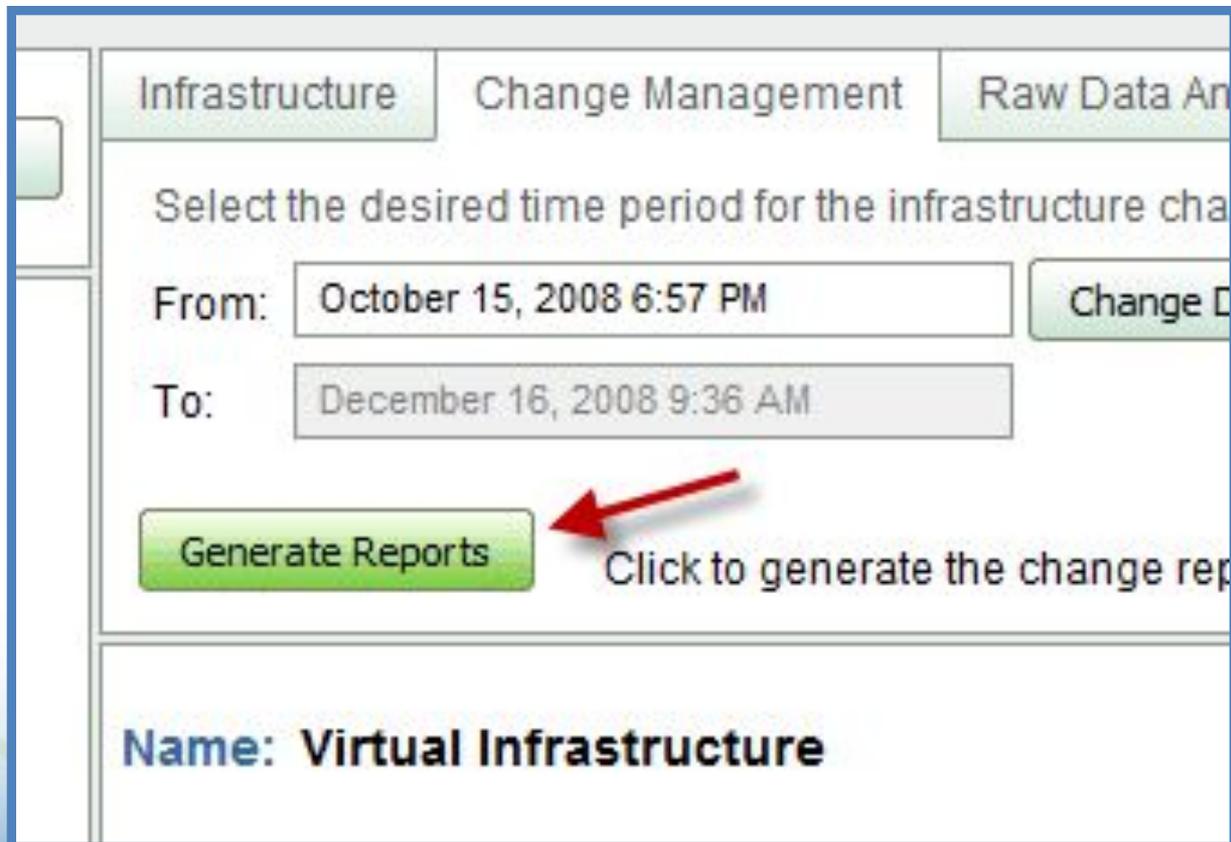
| | |
|-------------------|-------|
| 11/23/08 4:18 AM | 7.711 |
| 11/24/08 12:00 AM | 6.095 |
| 11/24/08 9:36 AM | 4.937 |
| 11/24/08 12:00 PM | 4.708 |
| 11/25/08 12:00 AM | 3.334 |
| 11/25/08 9:36 AM | 2.188 |
| 11/26/08 9:32 AM | 0.006 |
| 12/2/08 9:36 AM | 0 |
| 12/10/08 10:42 AM | 0 |
| 12/16/08 9:36 AM | 0.003 |

Как получить такой отчет за 2 минуты?

Далее представлена подробная инструкция.

Шаг 1 – Используем Veeam Reporter Enterprise

1. В Reporter Enterprise открыть страницу «Change Management»
2. Выбрать временной диапазон для сравнения состояния дискового ресурса
3. Нажать кнопку «Generate Reports».



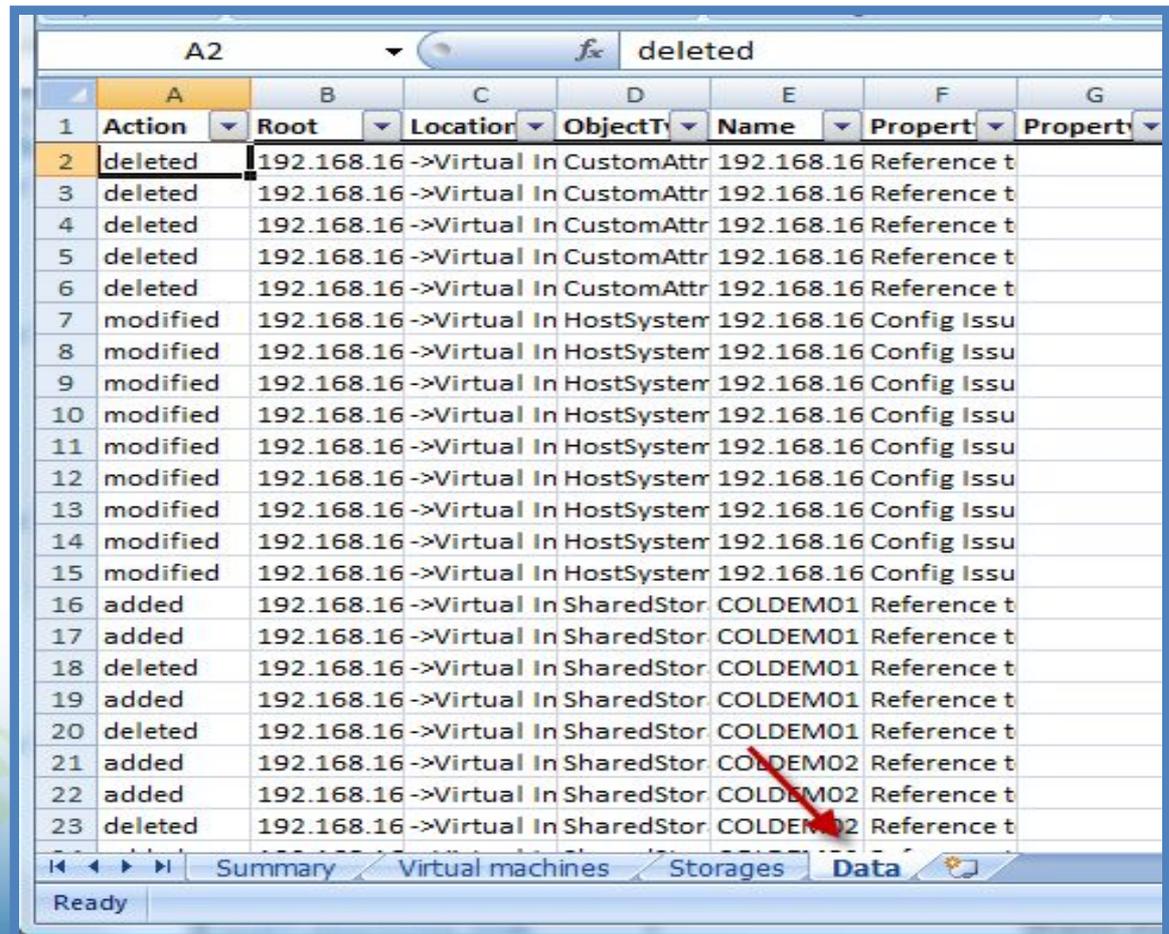
The screenshot shows the 'Change Management' tab in the Veeam Reporter Enterprise interface. It features three tabs: 'Infrastructure', 'Change Management', and 'Raw Data An'. Below the tabs, there is a section for selecting a time period for infrastructure changes. The 'From' field is set to 'October 15, 2008 6:57 PM' and the 'To' field is set to 'December 16, 2008 9:36 AM'. A green 'Generate Reports' button is highlighted with a red arrow pointing to it, and a tooltip text 'Click to generate the change rep' is visible next to the button. Below the time selection, the name of the resource is displayed as 'Name: Virtual Infrastructure'.

Шаг 2 – Работаем с отчетом в Microsoft Excel

Сгенерированный файл Excel будет содержать четыре страницы:

Summary, Virtual Machines, Storages и Data

Нам нужна последняя страница – Data



| | A | B | C | D | E | F | G |
|----|----------|------------|--------------|-------------|------------|-------------|----------|
| 1 | Action | Root | Location | Object Type | Name | Property | Property |
| 2 | deleted | 192.168.16 | ->Virtual In | CustomAttr | 192.168.16 | Reference t | |
| 3 | deleted | 192.168.16 | ->Virtual In | CustomAttr | 192.168.16 | Reference t | |
| 4 | deleted | 192.168.16 | ->Virtual In | CustomAttr | 192.168.16 | Reference t | |
| 5 | deleted | 192.168.16 | ->Virtual In | CustomAttr | 192.168.16 | Reference t | |
| 6 | deleted | 192.168.16 | ->Virtual In | CustomAttr | 192.168.16 | Reference t | |
| 7 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 8 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 9 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 10 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 11 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 12 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 13 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 14 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 15 | modified | 192.168.16 | ->Virtual In | HostSystem | 192.168.16 | Config Issu | |
| 16 | added | 192.168.16 | ->Virtual In | SharedStor | COLDEM01 | Reference t | |
| 17 | added | 192.168.16 | ->Virtual In | SharedStor | COLDEM01 | Reference t | |
| 18 | deleted | 192.168.16 | ->Virtual In | SharedStor | COLDEM01 | Reference t | |
| 19 | added | 192.168.16 | ->Virtual In | SharedStor | COLDEM01 | Reference t | |
| 20 | deleted | 192.168.16 | ->Virtual In | SharedStor | COLDEM01 | Reference t | |
| 21 | added | 192.168.16 | ->Virtual In | SharedStor | COLDEM02 | Reference t | |
| 22 | added | 192.168.16 | ->Virtual In | SharedStor | COLDEM02 | Reference t | |
| 23 | deleted | 192.168.16 | ->Virtual In | SharedStor | COLDEM02 | Reference t | |

Шаг 4 – Копируем выборку на новый лист

Все, у нас есть данные для отчета.

Для создания графика нужно избавиться от фильтров - скопировать данные на новый лист (я назвал его «Таблица»)

| | C | D | E | F | G | H | I | J |
|------|----------|--|----------|------------|----------|----------------|-------------------|-----------|
| | Location | ObjectType | Name | Property | Property | Previous value | Date | New value |
| 5 -> | | Sort A to Z | | Free Space | | 72,686 | 11.08.08 5:36 PM | 72,525 |
| 5 -> | | Sort Z to A | | Free Space | | 72,525 | 11.12.08 7:49 PM | 101,641 |
| 6 -> | | Sort by Color | | Free Space | | 31,867 | 11.14.08 8:04 PM | 31,622 |
| 6 -> | | Clear Filter From "Name" | | Free Space | | 31,622 | 11.15.08 5:36 PM | 29,117 |
| 6 -> | | Filter by Color | | Free Space | | 29,117 | 11.16.08 5:36 PM | 26,51 |
| 6 -> | | Text Filters | | Free Space | | 26,51 | 11.17.08 5:36 PM | 23,952 |
| 6 -> | | (Select All) | | Free Space | | 23,952 | 11.17.08 9:06 PM | 23,624 |
| 6 -> | | <input type="checkbox"/> COLDEM01 | | Free Space | | 23,624 | 11.17.08 10:18 PM | 23,512 |
| 6 -> | | <input type="checkbox"/> COLDEM02 | | Free Space | | 23,512 | 11.17.08 10:24 PM | 23,404 |
| 6 -> | | <input checked="" type="checkbox"/> COLDEM03 | | Free Space | | 23,404 | 11.18.08 5:36 PM | 21,323 |
| 6 -> | | <input type="checkbox"/> ds01 | | Free Space | | 21,323 | 11.18.08 8:00 PM | 21,105 |
| 6 -> | | <input type="checkbox"/> ds02 | | Free Space | | 21,105 | 11.19.08 5:36 PM | 18,621 |
| 6 -> | | <input type="checkbox"/> ds03 | | Free Space | | 18,621 | 11.19.08 8:00 PM | 18,396 |
| 6 -> | | <input type="checkbox"/> DSCOL13 | | Free Space | | 18,396 | 11.20.08 5:36 PM | 15,928 |
| 6 -> | | <input type="checkbox"/> dscol26 | | Free Space | | 15,928 | 11.20.08 8:00 PM | 15,702 |
| 6 -> | | <input type="checkbox"/> san01 | | Free Space | | 15,702 | 11.21.08 8:00 AM | 14,35 |
| 6 -> | | | | Free Space | | 14,35 | 11.21.08 5:36 PM | 13,207 |
| 6 -> | | | | Free Space | | 13,207 | 11.21.08 8:00 PM | 12,979 |
| 6 -> | | | | Free Space | | 12,979 | 11.22.08 5:36 PM | 10,469 |
| 6 -> | | | | Free Space | | 10,469 | 11.23.08 5:36 PM | 7,711 |
| 6 -> | | | | Free Space | | 7,711 | 11.24.08 8:00 AM | 6,095 |
| 6 -> | Virtual | In SharedStorage | COLDEM03 | Free Space | | 6,095 | 11.24.08 5:36 PM | 4,937 |
| 6 -> | Virtual | In SharedStorage | COLDEM03 | Free Space | | 4,937 | 11.24.08 8:00 PM | 4,708 |
| 6 -> | Virtual | In SharedStorage | COLDEM03 | Free Space | | 4,708 | 11.25.08 8:00 AM | 3,334 |
| 6 -> | Virtual | In SharedStorage | COLDEM03 | Free Space | | 3,334 | 11.25.08 5:36 PM | 2,188 |
| 6 -> | Virtual | In SharedStorage | COLDEM03 | Free Space | | 2,188 | 11.26.08 5:32 PM | 0,006 |
| 6 -> | Virtual | In SharedStorage | DSCOL13 | Free Space | | | 11.14.08 5:36 PM | 28,538 |
| 6 -> | Virtual | In SharedStorage | dscol26 | Free Space | | | 11.14.08 5:36 PM | 28,639 |
| 2 -> | Virtual | In SharedStorage | san01 | Free Space | | | 11.25.08 6:13 PM | 0,233 |
| 2 -> | Virtual | In SharedStorage | san02 | Free Space | | 17,027 | 11.26.08 5:32 PM | 17,028 |
| 2 -> | Virtual | In SharedStorage | san03 | Free Space | | | 11.25.08 6:13 PM | 10,729 |

Шаг 6 – Выбираем поля сводной таблицы

В списке полей сводной таблицы выбираем следующие:

- Root,
- Location,
- Name,
- Date,
- New Value

| | Sum of New value | Column Labels |
|----|-------------------|---------------|
| 8 | Root | (All) |
| 9 | Location | (All) |
| 10 | | |
| 11 | Sum of New value | Column Labels |
| 12 | Row Labels | COLDEM03 |
| 13 | 10/15/08 7:59 PM | 30.535 |
| 14 | 10/15/08 9:51 PM | 38.481 |
| 15 | 10/16/08 12:32 AM | 36.106 |
| 16 | 10/16/08 6:32 AM | 36.421 |
| 17 | 11/5/08 6:35 PM | 32.88 |
| 18 | 11/14/08 12:04 PM | 31.622 |
| 19 | 11/15/08 9:36 AM | 29.117 |
| 20 | 11/16/08 9:36 AM | 26.51 |
| 21 | 11/17/08 9:36 AM | 23.952 |
| 22 | 11/17/08 1:06 PM | 23.624 |
| 23 | 11/17/08 2:18 PM | 23.512 |
| 24 | 11/17/08 2:24 PM | 23.404 |

PivotTable Field List

Choose fields to add to report:

- Action
- Root**
- Location**
- ObjectType
- Name**
- Property name
- Property index
- Previous value
- Date**
- New value**

Drag fields between areas below:

Report Filter

- Root
- Location

Column Labels

- Name

Row Labels

- Date

Values

- Sum of New value

Defer Layout Update

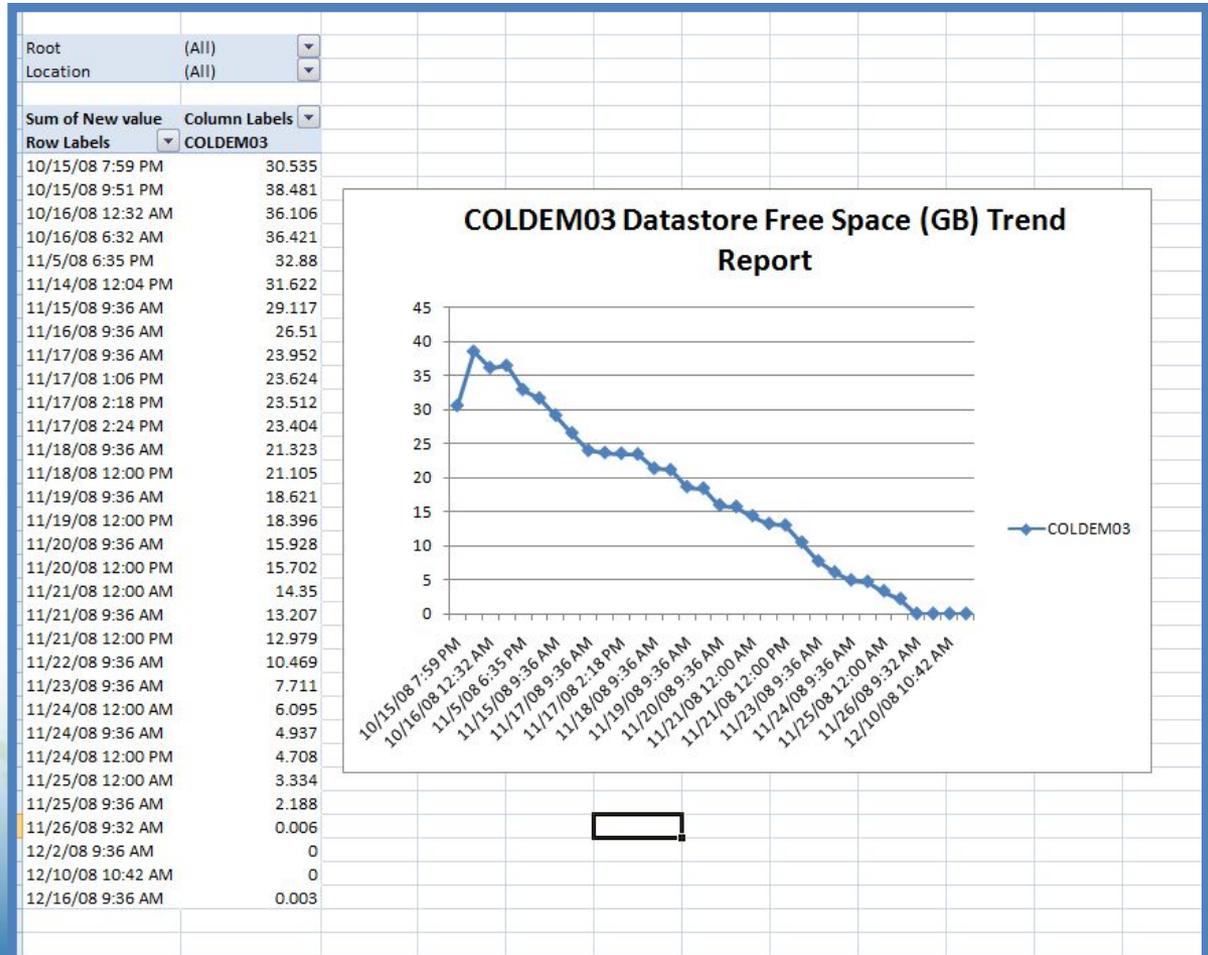
Update

Шаг 7 - Строим график и отчет готов!

Выделяем сводную таблицу и строим по ней график

Все! Отчет готов!

Мы наглядно видим изменения заполнения дискового ресурса нашей инфраструктуры. (ГБ / день)



Veeam Reporter Enterprise

Подробная информация о продукте
Veeam Reporter Enterprise на сайте

www.veeam.com