# Custom Reports in SCCM

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## ***Modify an existing report***

#1: Downloading Microsoft Report Builder

Step 1: Access the Microsoft Report Builder Download Page

- Open the web browser in the lab enviorment and navigate to the following URL: https://www.microsoft.com/en-us/download/details.aspx?id=53613. This URL will take you to the official Microsoft Report Builder download page.

Step 2: Download Microsoft Report Builder

- On the download page, you will find information about Microsoft Report Builder and its system requirements. Ensure that your system meets the requirements before proceeding.
- Look for a "Download" button on the page. Click on it to initiate the download process.
- The download will begin, and the Microsoft Report Builder installation package will be saved to your computer.

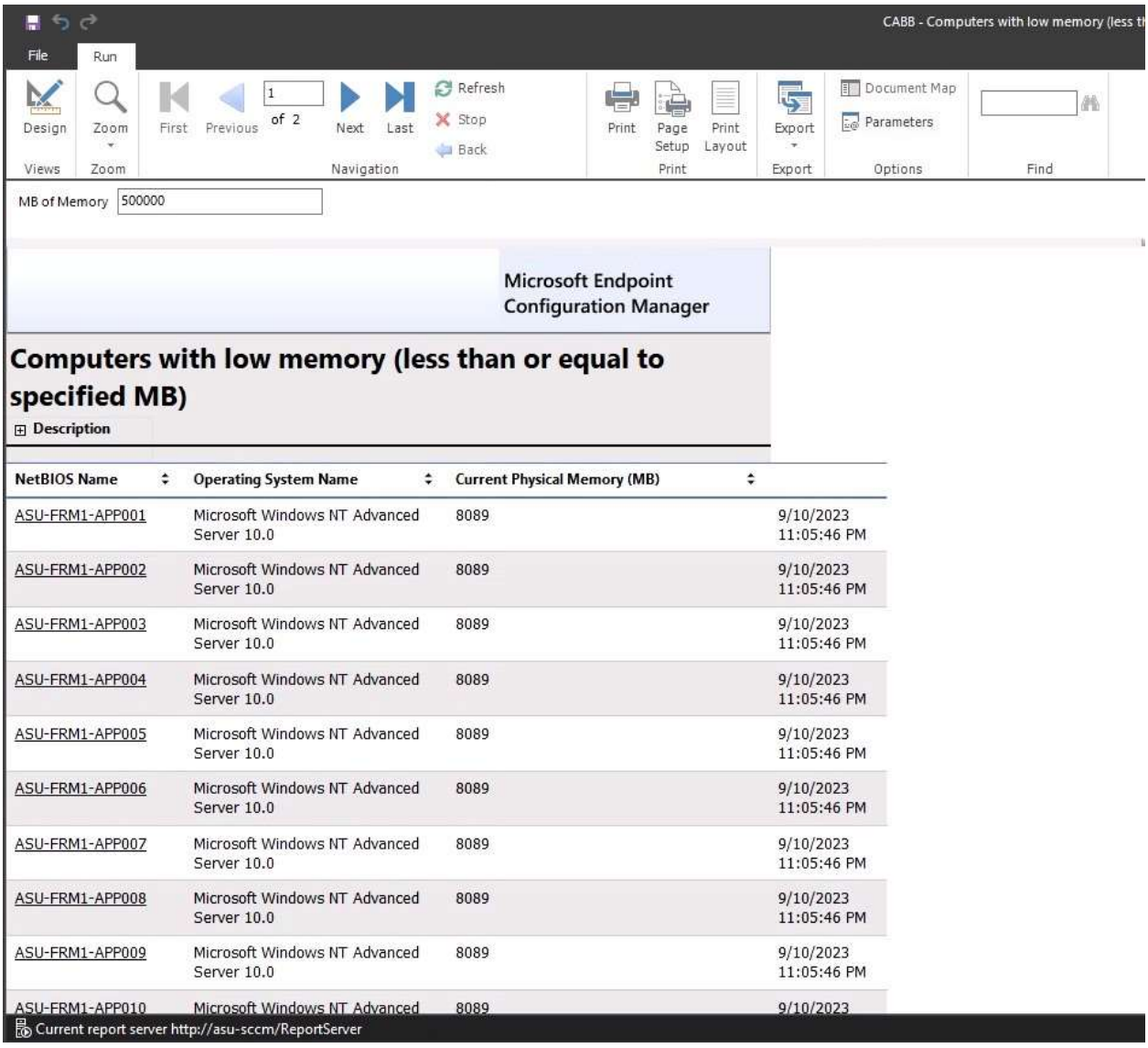
Step 3: Install Microsoft Report Builder

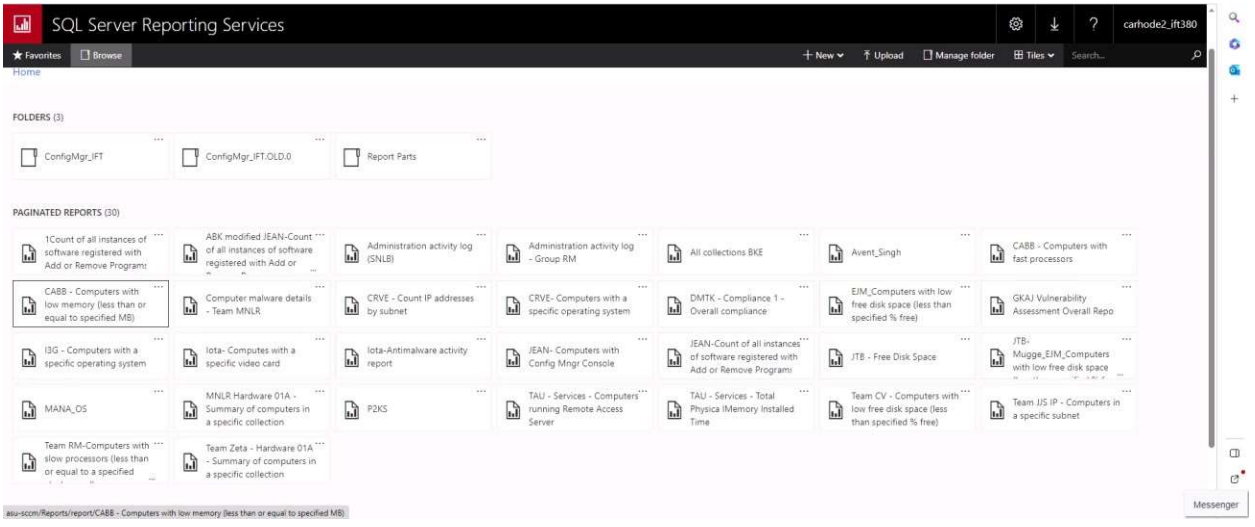
- Once the download is complete, locate the installation package on your computer (usually in the "Downloads" folder).
- Double-click on the installation package to start the installation process.
- Follow the on-screen instructions provided by the installer. You may need to choose an installation directory, agree to the license terms, and select any optional components if offered.

#2: Modifing an Existing Report

We decided to utilize the report titled "Computers with Low Memory (Less than or Equal to Specified MB)" due to its potential value in identifying systems with insufficient memory that may require updates. In our laboratory environment, it's worth noting that all systems have identical memory configurations.

To enhance the report's usefulness and accuracy for our purposes, we made a specific edit. Which was including the execution time, which serves both as a means of ensuring precision in our assessments and as a valuable timekeeping element. This modification not only helps us identify memory-deficient systems but also allows us to track the efficiency of our analysis processes over time. It’s a simple addtion but given the nature of this kind of report it further expands the reporting details.

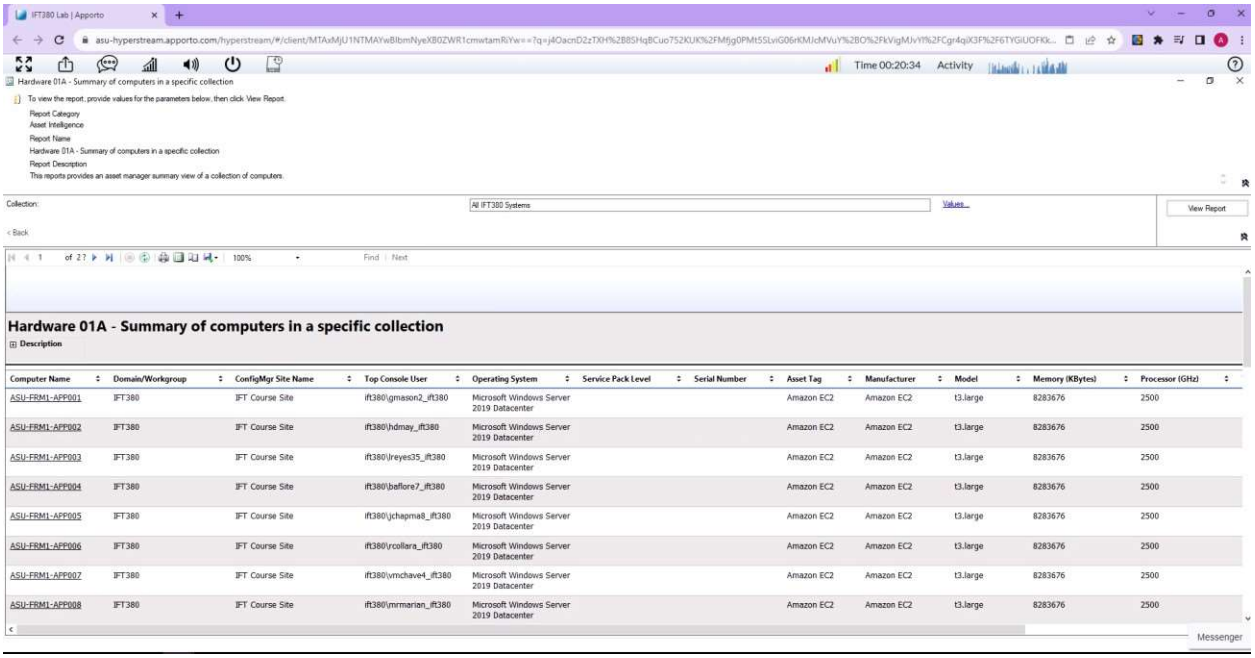

CABB - Computers with low memory (less th
File
Run
Design
Zoom
Views
Zoom
First
Previous
1
of 2
Next
Last
Refresh
Stop
Back
Navigation
Print
Page Setup
Print Layout
Print
Export
Export
Document Map
Parameters
Options
Find
MB of Memory
500000
Microsoft Endpoint Configuration Manager
Computers with low memory (less than or equal to specified MB)
Description
NetBIOS Name
Operating System Name
Current Physical Memory (MB)
ASU-FRM1-APP001 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP002 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP003 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP004 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP005 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP006 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP007 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP008 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP009 Microsoft Windows NT Advanced Server 10.0 8089 9/10/2023 11:05:46 PM
ASU-FRM1-APP010 Microsoft Windows NT Advanced 8089 9/10/2023
Current report server http://asu-sccm/ReportServer


SQL Server Reporting Services
carhode2_ift380
Favorites
Browse
New
Upload
Manage folder
Tiles
Search...
Home
FOLDERS (3)
ConfigMgr_IFT
ConfigMgr_IFT.OLD.0
Report Parts
PAGINATED REPORTS (30)
1Count of all instances of software registered with Add or Remove Programs
ABK modified JEAN-Count of all instances of software registered with Add or
Administration activity log (SNLB)
Administration activity log - Group RM
All collections BKE
Avent_Singh
CABB - Computers with fast processors
CABB - Computers with low memory (less than or equal to specified MB)
Computer malware details - Team MNLR
CRVE - Count IP addresses by subnet
CRVE- Computers with a specific operating system
DMTK - Compliance 1 - Overall compliance
EJM_Computers with low free disk space (less than specified % free)
GKAJ Vulnerability Assessment Overall Repo
I3G - Computers with a specific operating system
Iota- Computes with a specific video card
Iota-Antimalware activity report
JEAN- Computers with Config Mngr Console
JEAN-Count of all instances of software registered with Add or Remove Programs
JTB - Free Disk Space
JTB-Mugge_EJM_Computers with low free disk space
MANA_OS
MNLR Hardware 01A - Summary of computers in a specific collection
P2KS
TAU - Services - Computers running Remote Access Server
TAU - Services - Total Physica lMemory Installed Time
Team CV - Computers with low free disk space (less than specified % free)
Team JJS IP - Computers in a specific subnet
Team RM-Computers with slow processors (less than or equal to a specified
Team Zeta - Hardware 01A - Summary of computers in a specific collection
asu-sccm/Reports/report/CABB - Computers with low memory (less than or equal to specified MB)
Messenger

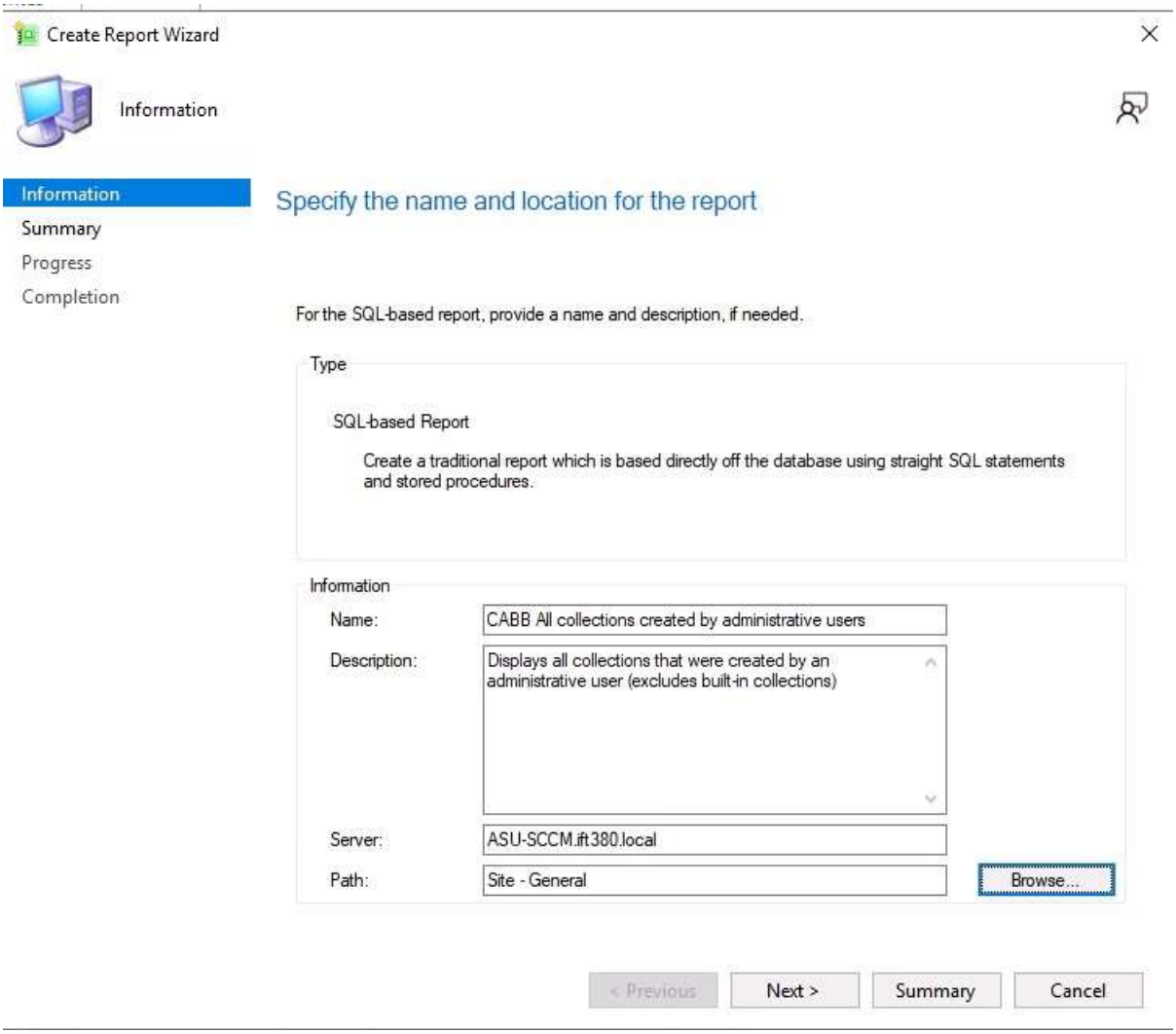
# ***Creating a New Report***

## Part One: Existing Report

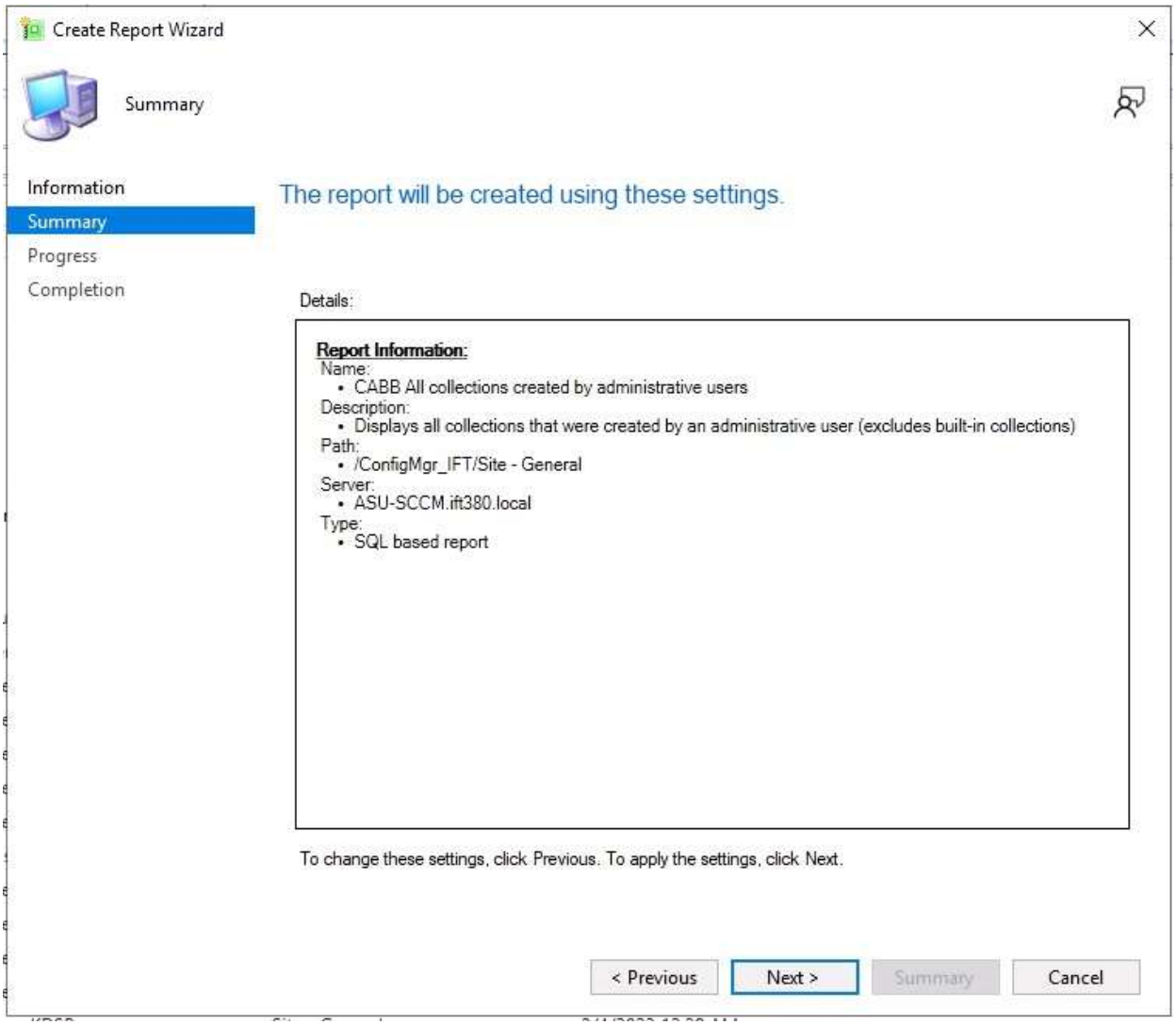
I ran the Hardware 01A – Summary of computers in a specific collection in the Asset Intelligence folder of the Reports folder. This report is useful when an IT admin would like to quickly view basic information about all devices in a specific collection.



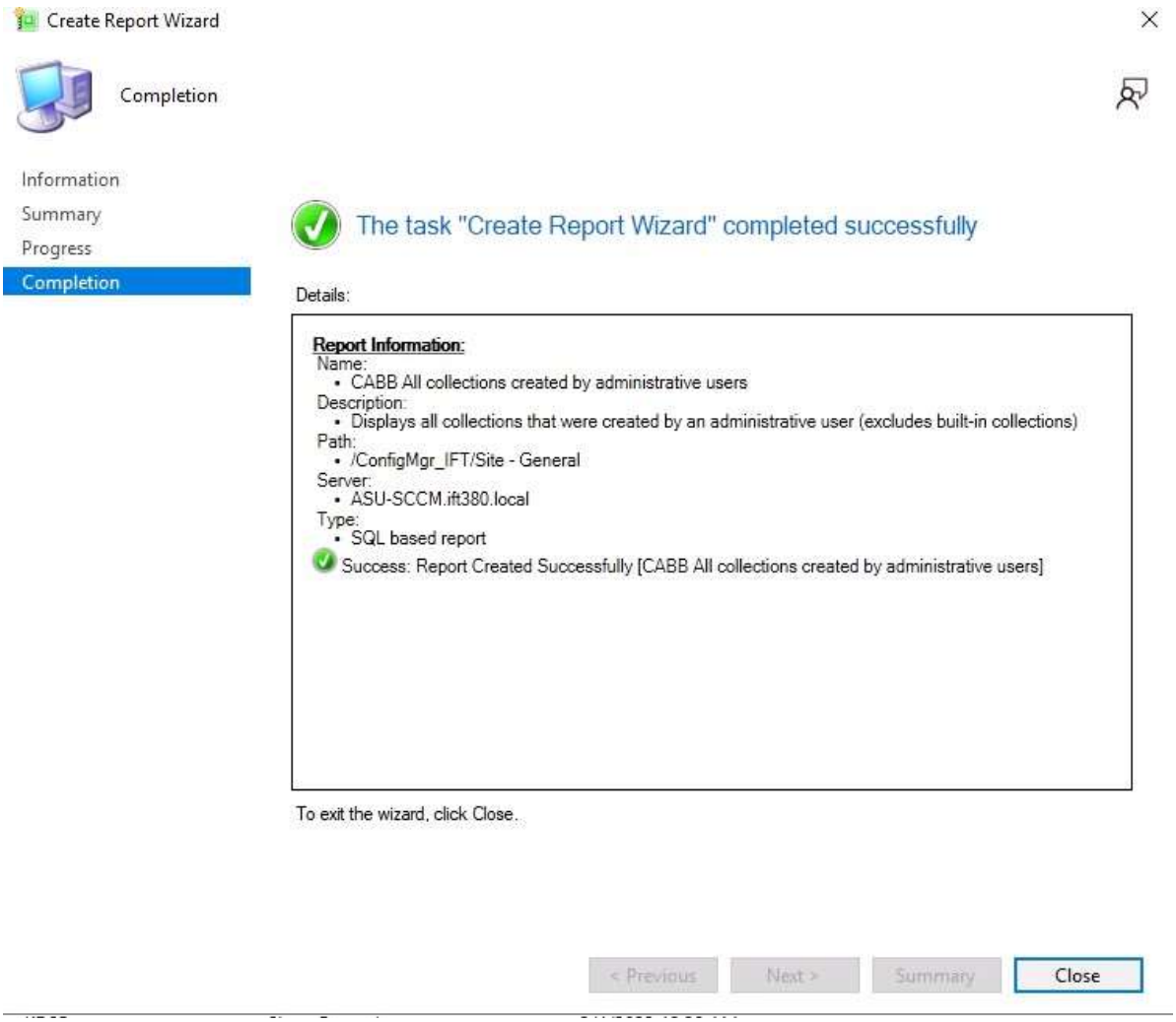
1. Go to Reporting within the Monitoring workspace in Configuration Manager console and click Create Report
2. Enter in all information on Information section of the Create Report Wizard as shown below and select next.



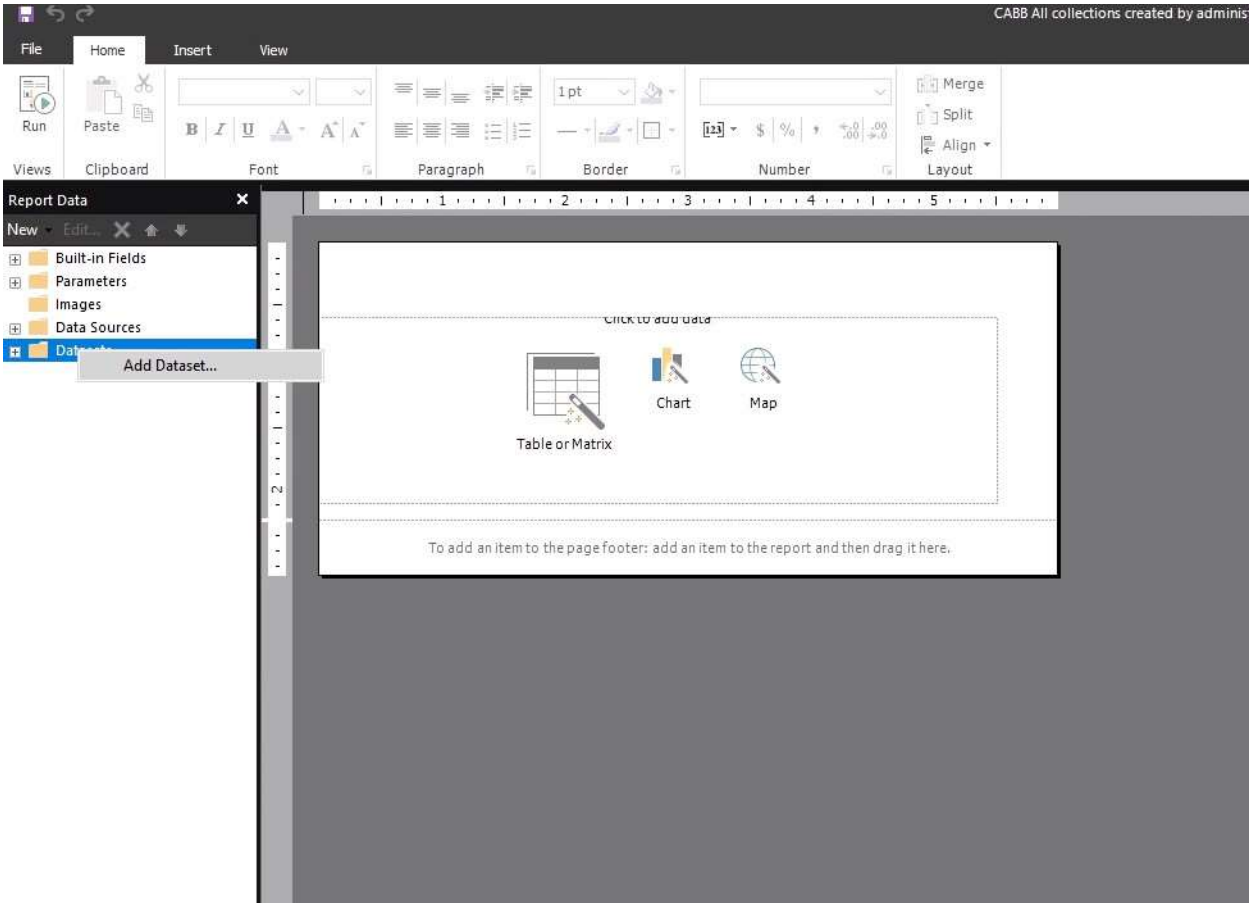
3. Ensure everything looks correct on the summary page and click Next



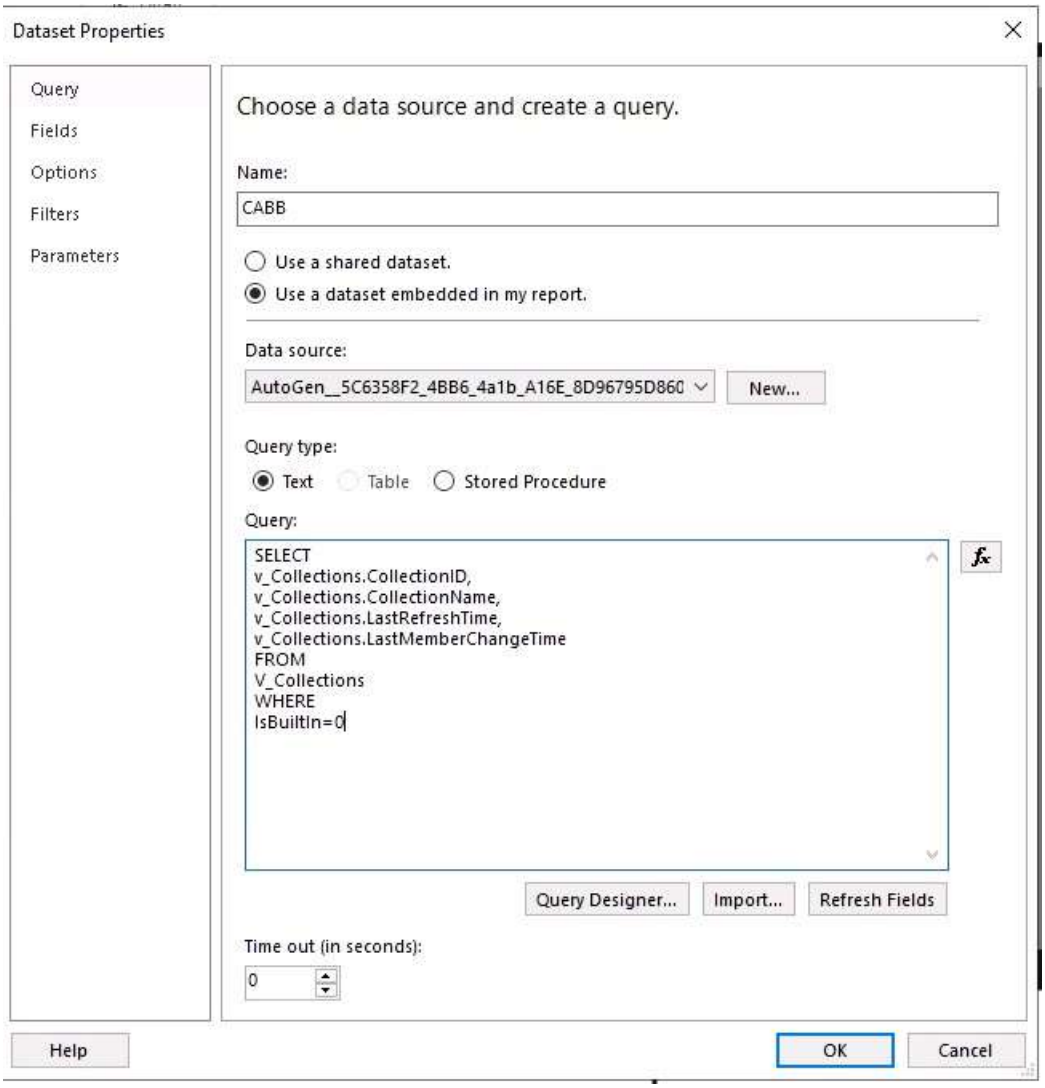
4. Click Next on Progress and Close when on the Completion page



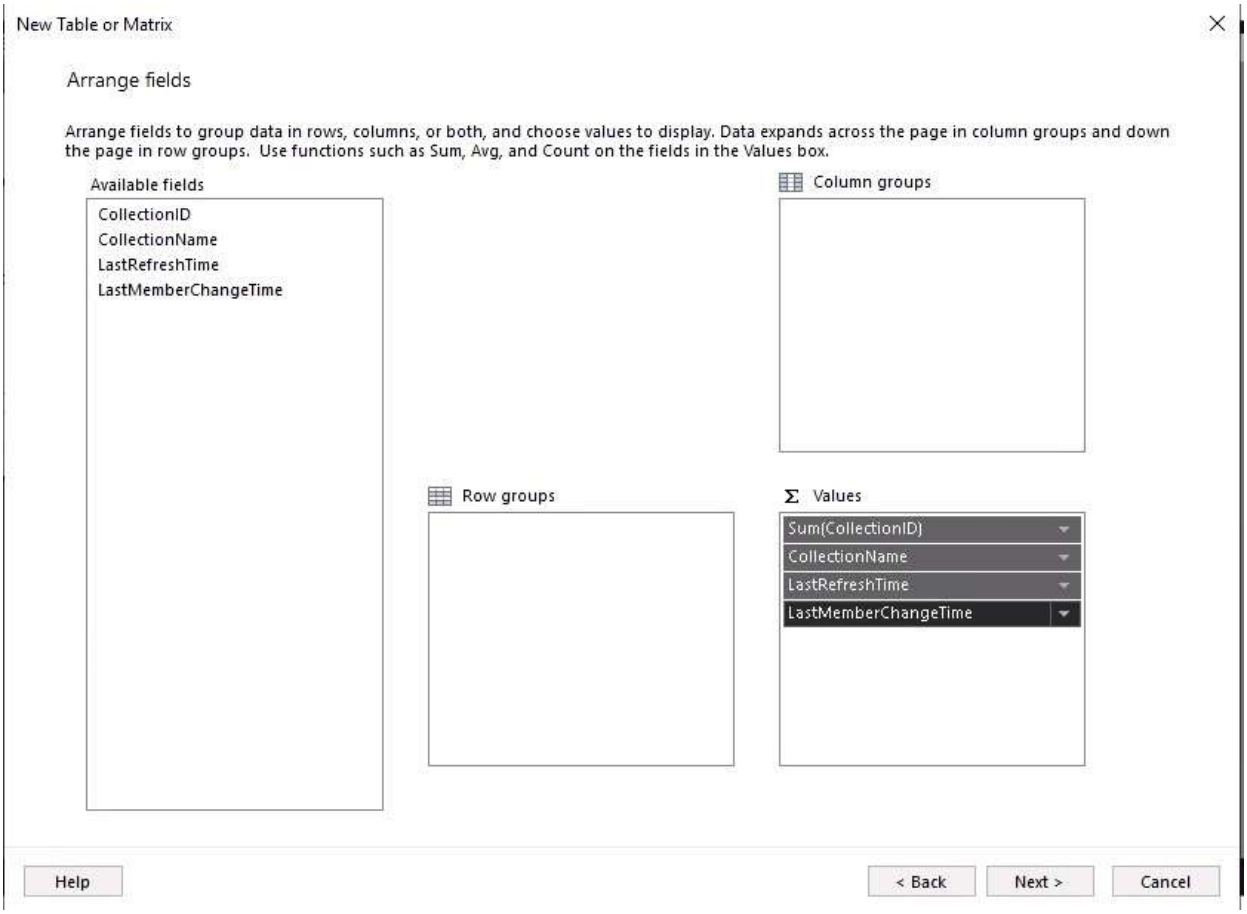
5. Add dataset in report builder by right-clicking on datasets



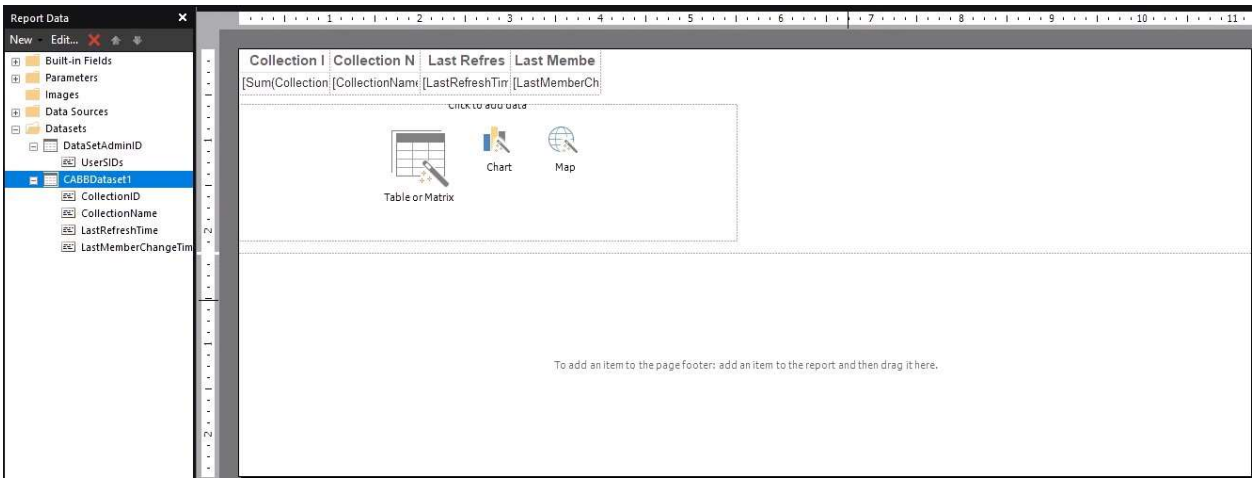
6. In the Query section of Dataset Properties, ensure the inputs all match this screenshot below:



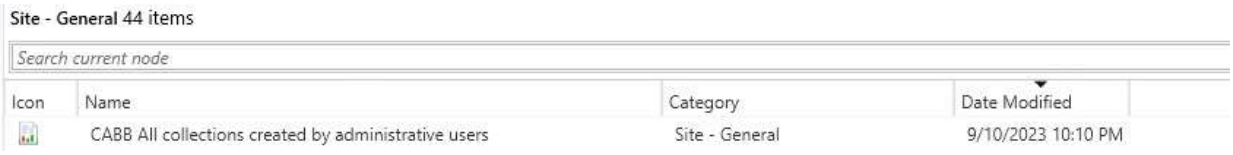
7. Navigate to the table wizard in the Insert tab and arrange the available fields into the values section as shown below



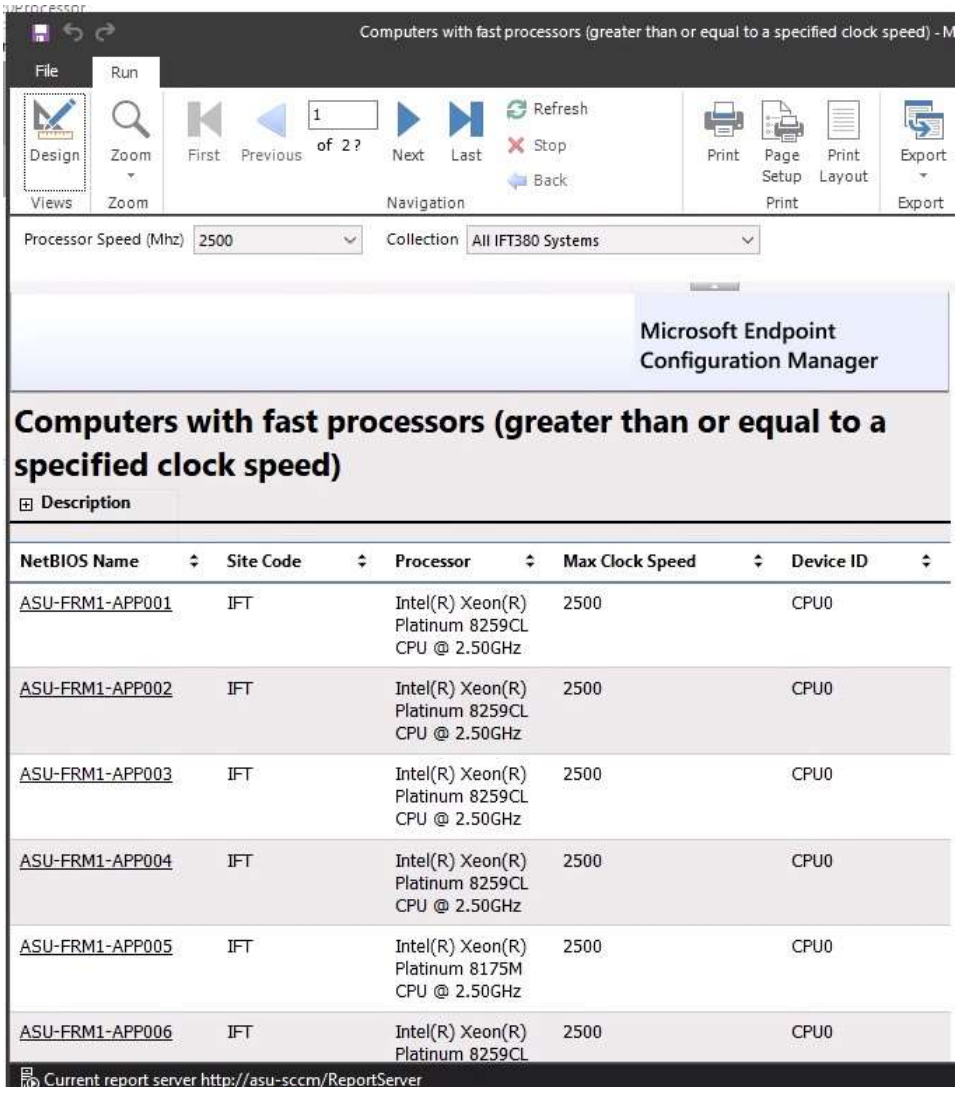
8. Select Next on all sections and click Finish to complete the table wizard and the table is now created.




9. Verify the report is in the Site – General reports section

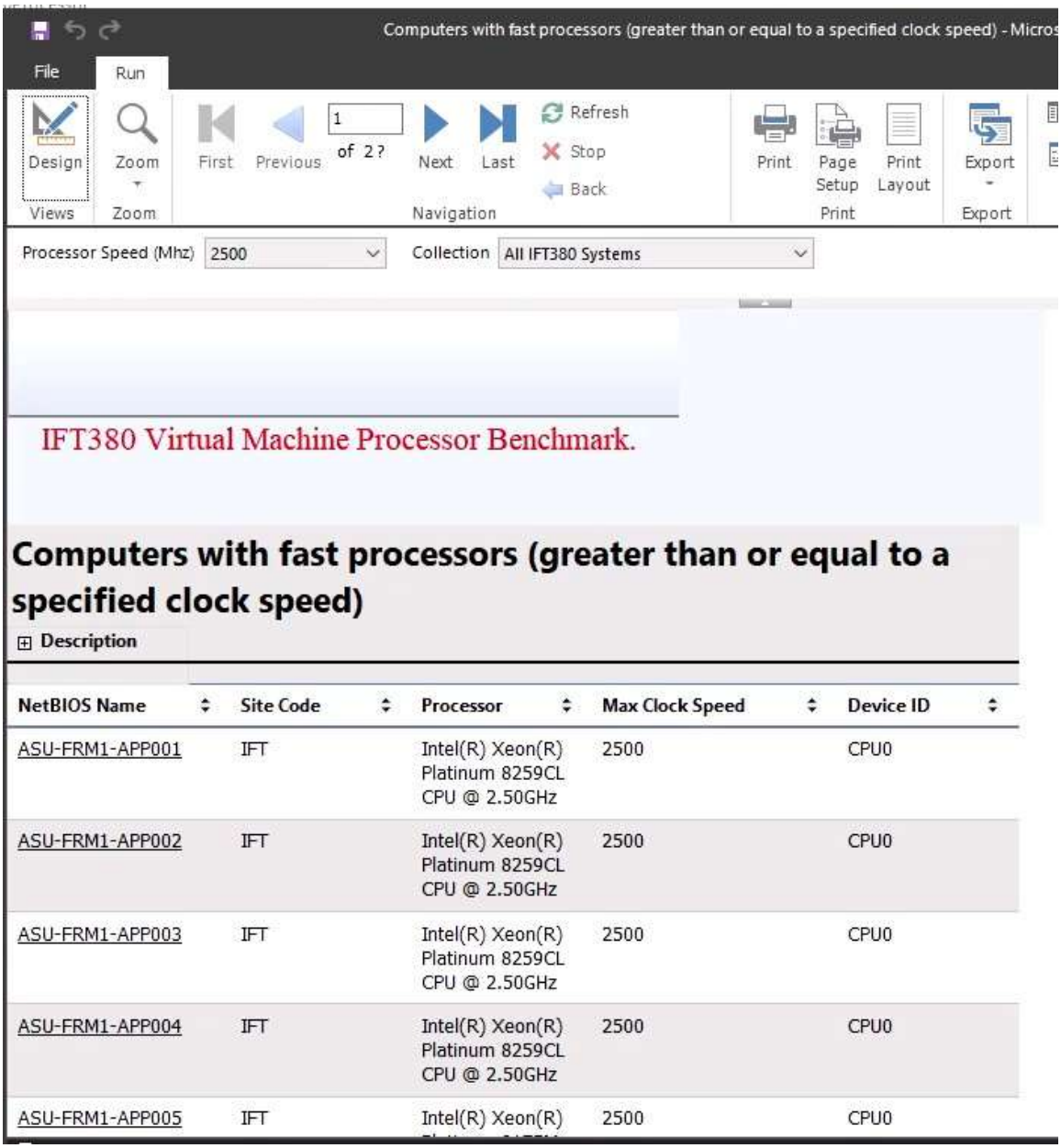


**Running a report for what processor speeds all devices have:**



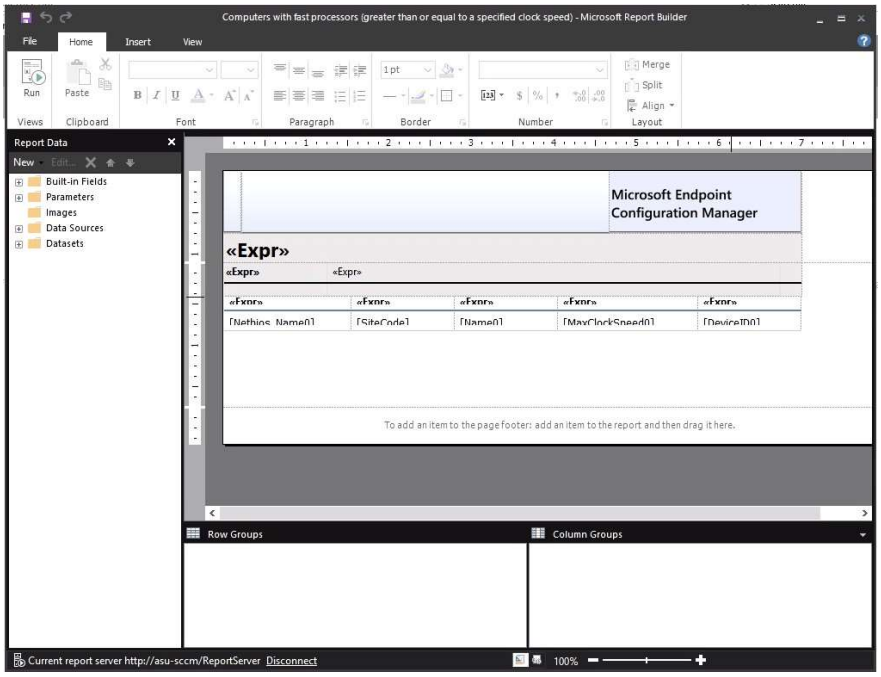

**Modifying an existing report:**

Here I added a title to the report

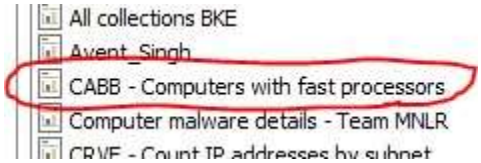



| NetBIOS Name | Site Code | Processor | Max Clock Speed | Device ID |
|---|---|---|---|---|
| ASU-FRM1-APP001 | IFT | Intel(R) Xeon(R) Platinum 8259CL CPU @ 2.50GHz | 2500 | CPU0 |
| ASU-FRM1-APP002 | IFT | Intel(R) Xeon(R) Platinum 8259CL CPU @ 2.50GHz | 2500 | CPU0 |
| ASU-FRM1-APP003 | IFT | Intel(R) Xeon(R) Platinum 8259CL CPU @ 2.50GHz | 2500 | CPU0 |
| ASU-FRM1-APP004 | IFT | Intel(R) Xeon(R) Platinum 8259CL CPU @ 2.50GHz | 2500 | CPU0 |
| ASU-FRM1-APP005 | IFT | Intel(R) Xeon(R) | 2500 | CPU0 |

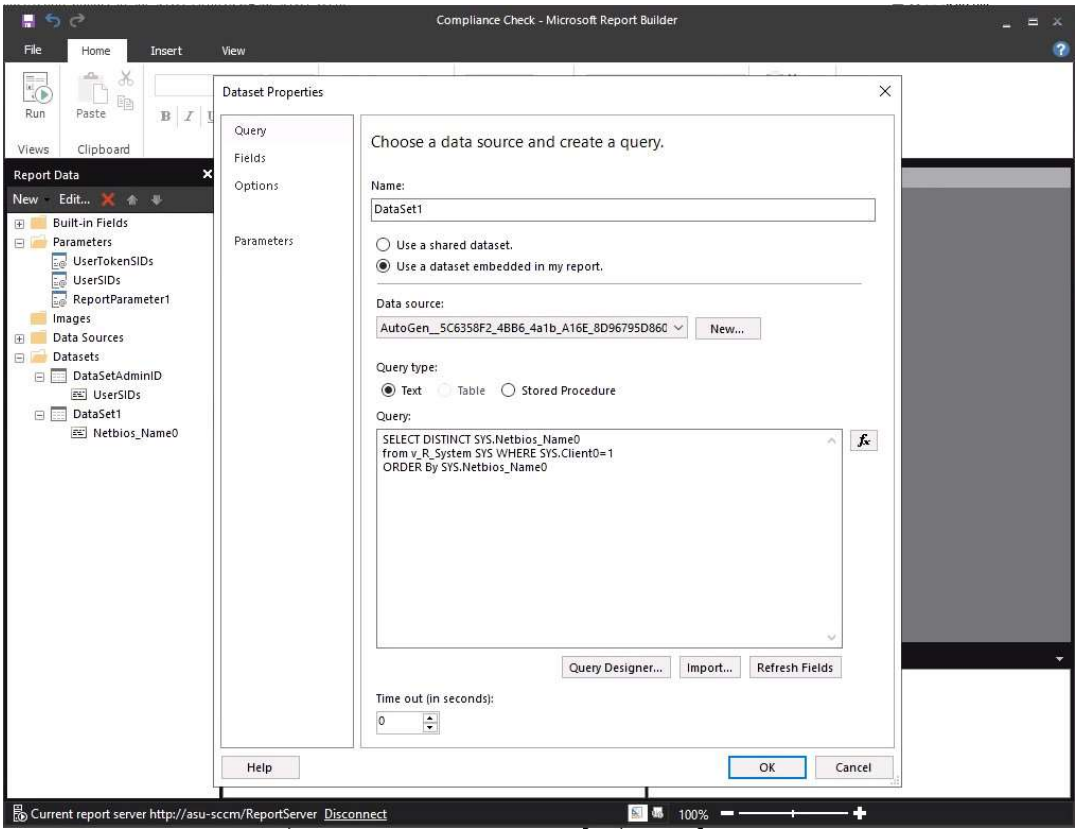
## Verifying Report Builder is installed:




## Saving report:

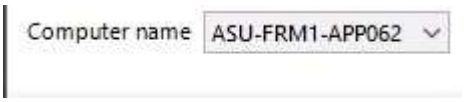


**Creating a new report named, Compliance check and creating a data set.:**

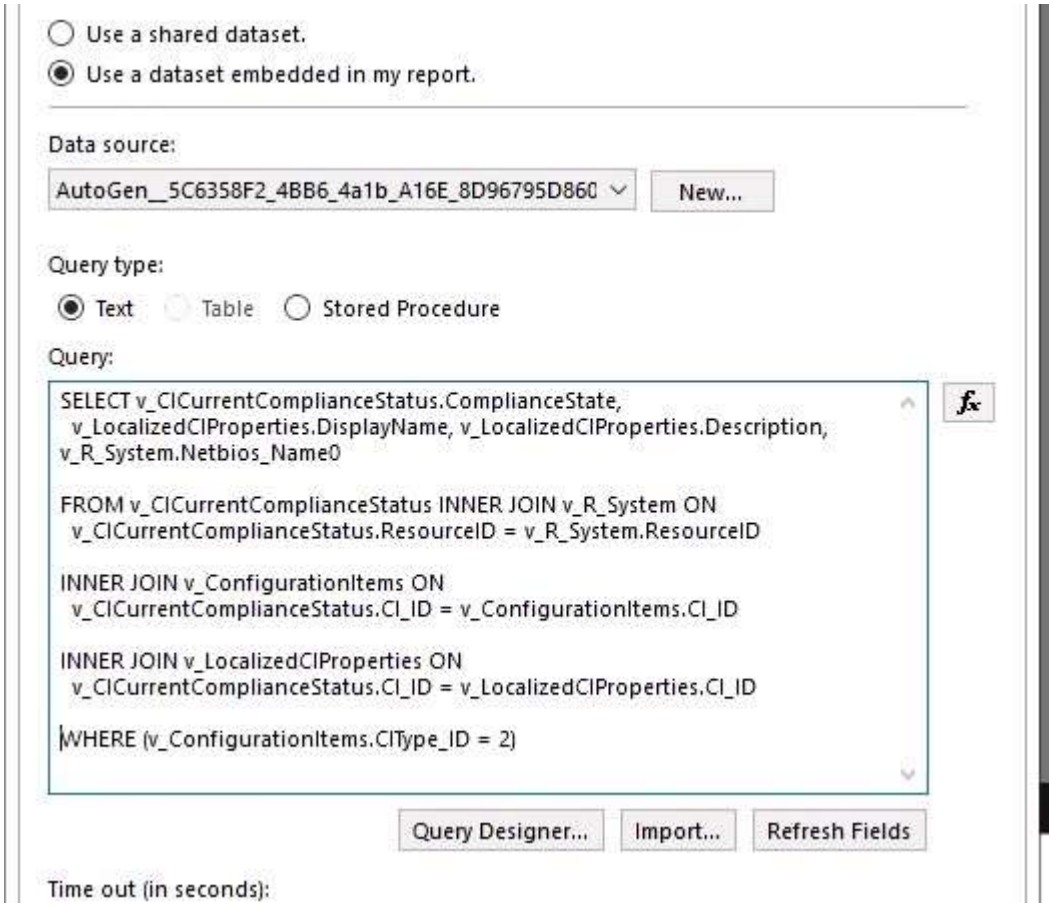



**Verifying that drop down menu has access to SQL server of device names:**

This example, I will be using my own computer as the example.

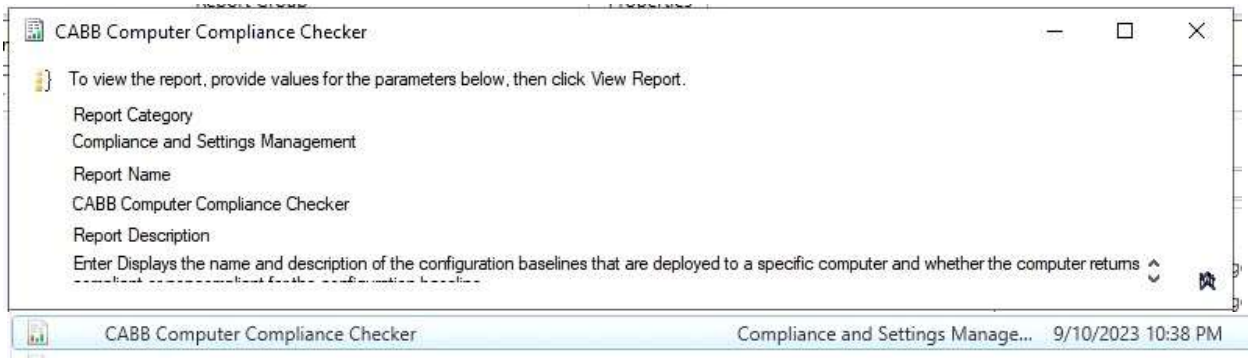



**Creating another dataset for the report that uses a Join SQL query:**



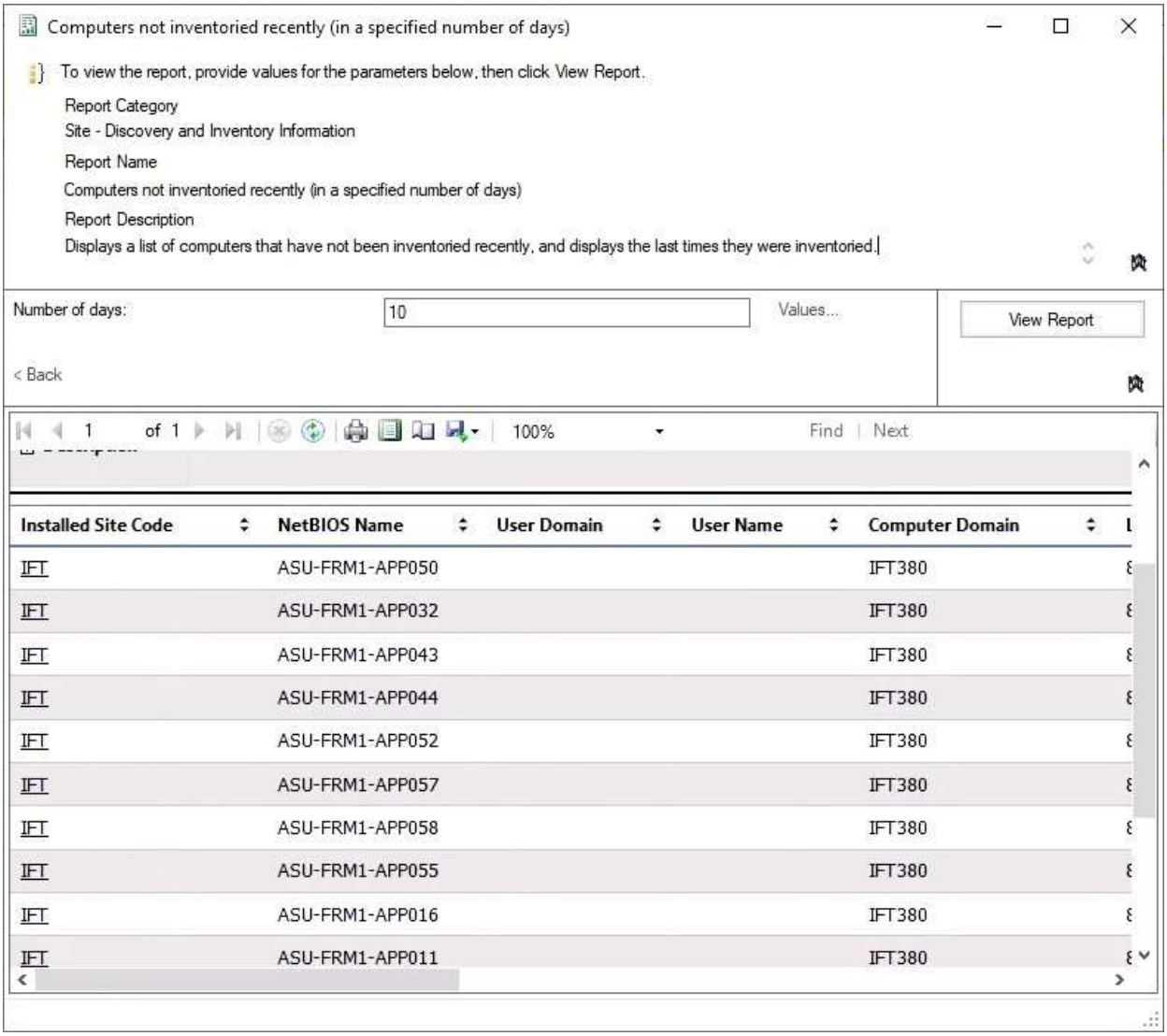

**Results:**


**Verified that the report I created is in the Compliance and Settings Management folder for reports in monitoring tab:**


CABB Computer Compliance Checker
To view the report, provide values for the parameters below, then click View Report.
Report Category
Compliance and Settings Management
Report Name
CABB Computer Compliance Checker
Report Description
Enter Displays the name and description of the configuration baselines that are deployed to a specific computer and whether the computer returns
CABB Computer Compliance Checker
Compliance and Settings Manage...
9/10/2023 10:38 PM

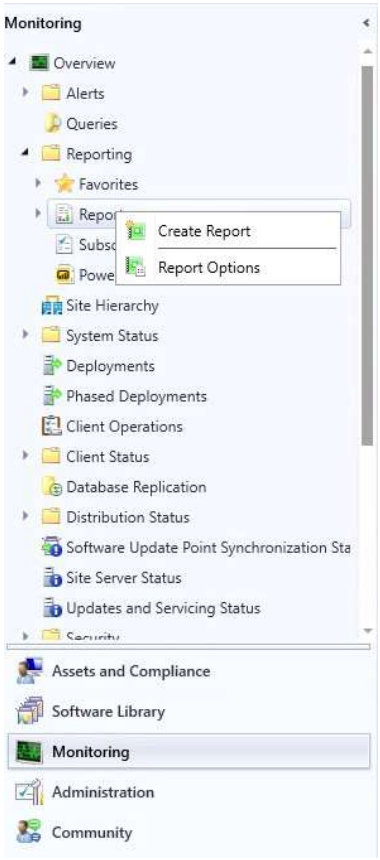
Endpoint:

Computers not inventoried recently (in a specific number of days): This rule is helpful in that it helps IT check which computers have not been recently inventoried.

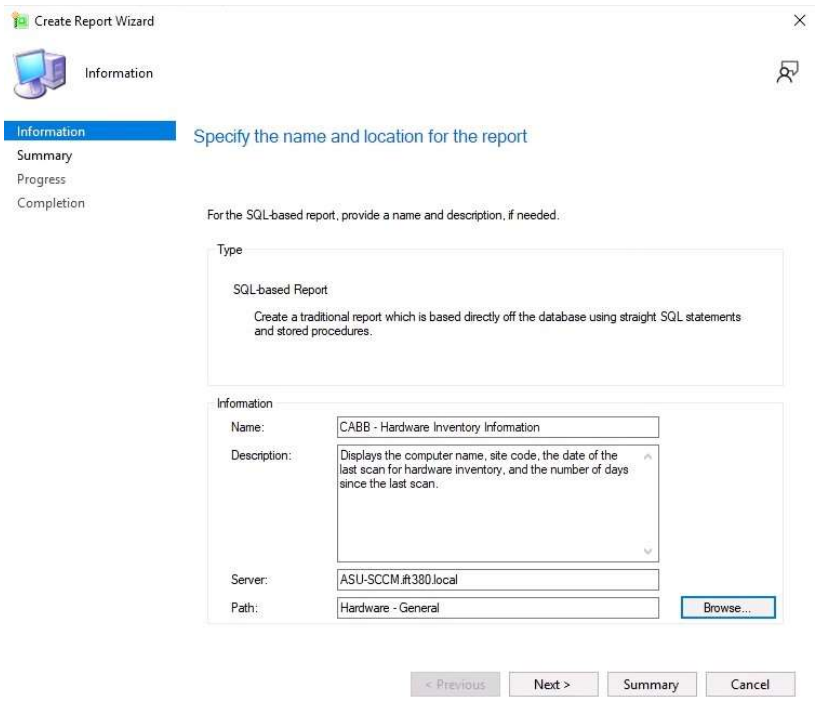


## Creating a new report for Hardware inventory.

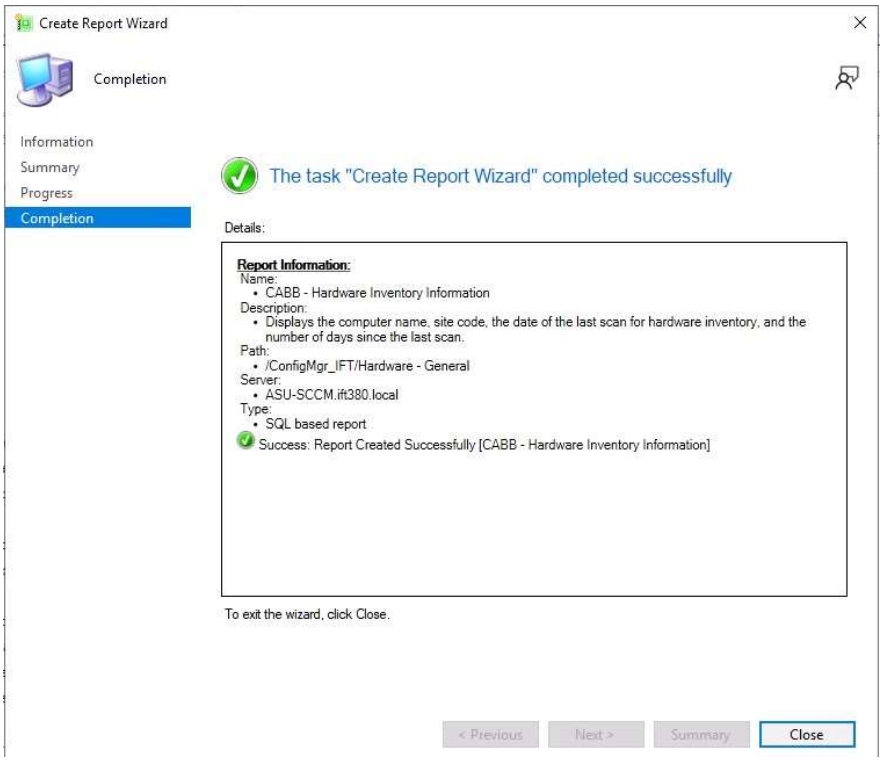
1. **Go to monitoring. Open the reporting folder and right click Reports.**



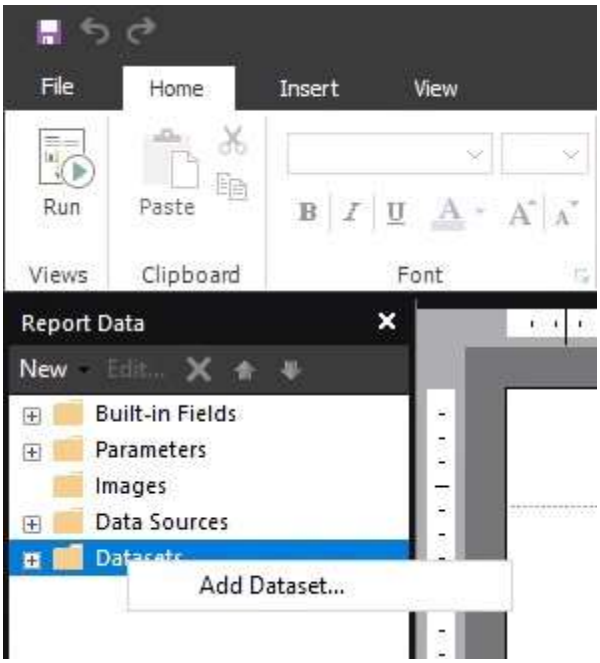

2. **Click on Create Report to open the Create Report Wizard and fill in information as needed.**



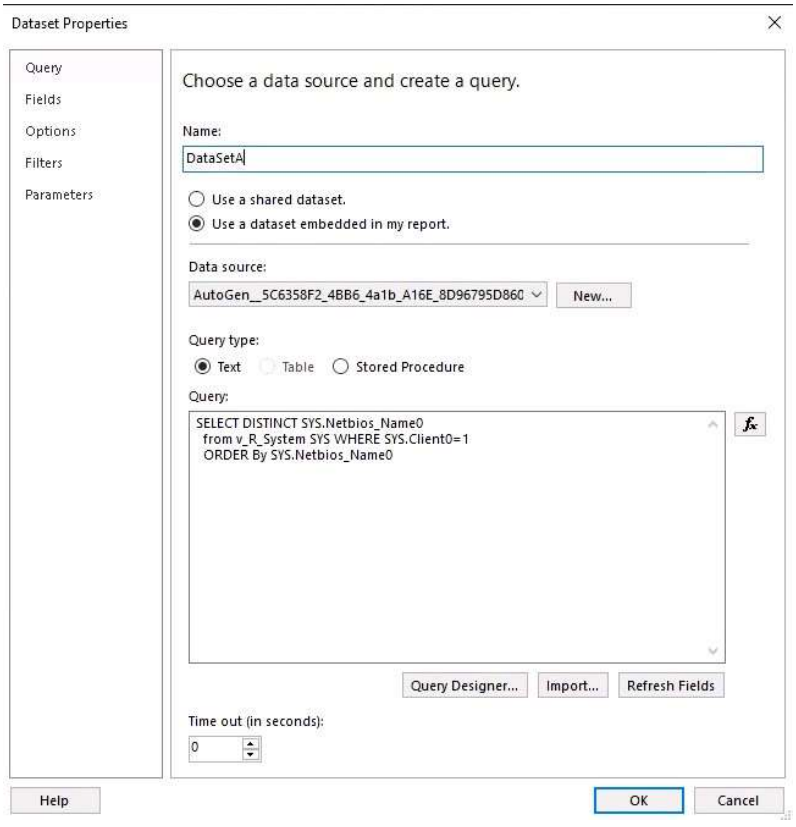

3. Click Next until the installation is complete.



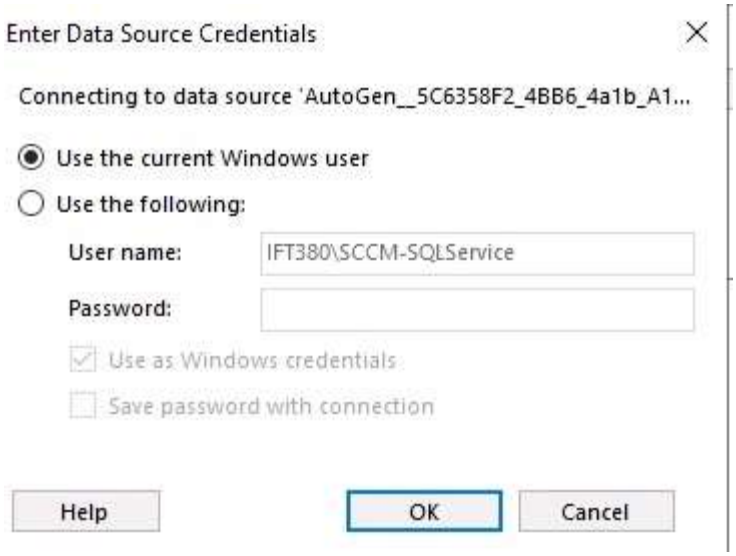

4. After hitting close, the Report Builder should open. From here right-click on dataset, in the left pane and click Add Dataset.




5. Fill in the necessary information into the Query.

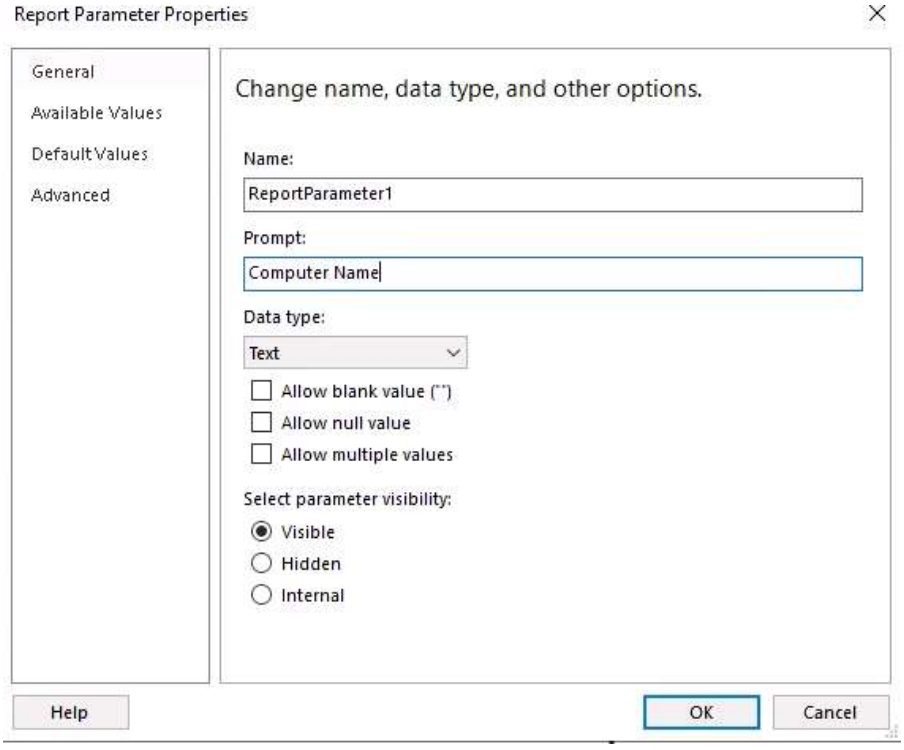


6. Select Use the current Windows user, then click OK.

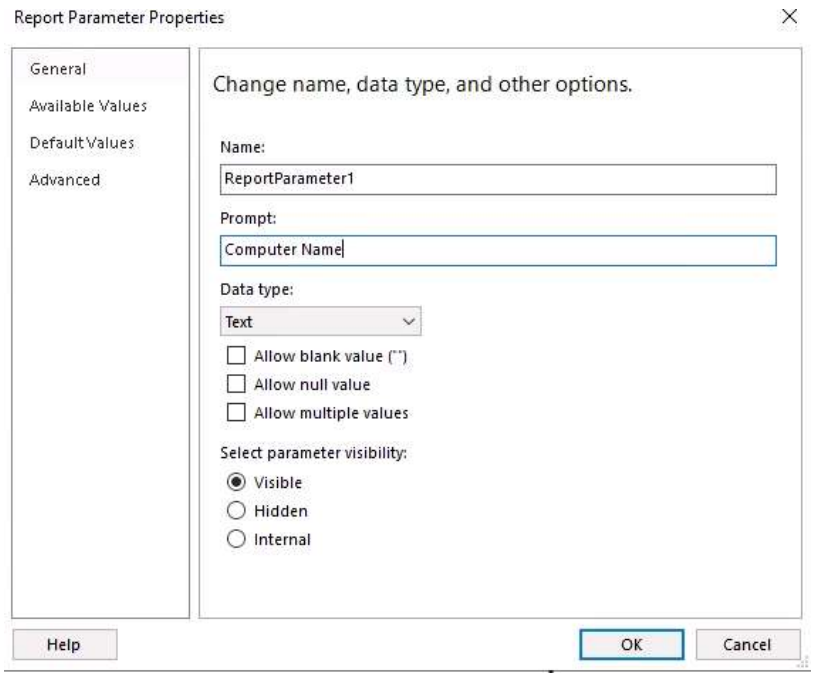



7. Next, right click on Parameters, and Add Parameter. This will bring up the Report Parameter Properties.

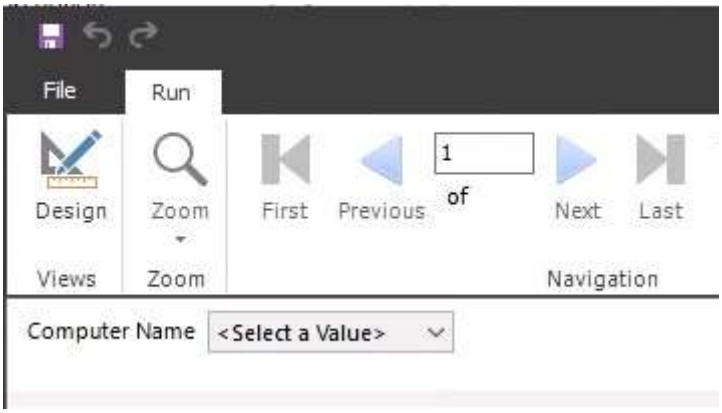
8. Fill in the required properties. The tabs on the left can also be edited.



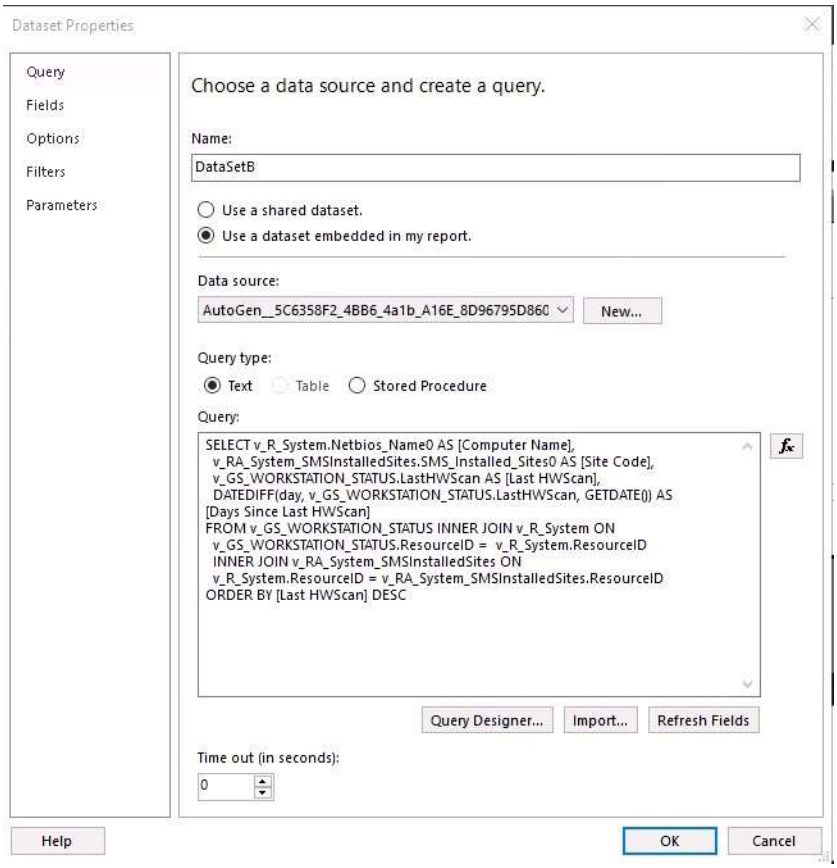
9. Once settings are set click OK.



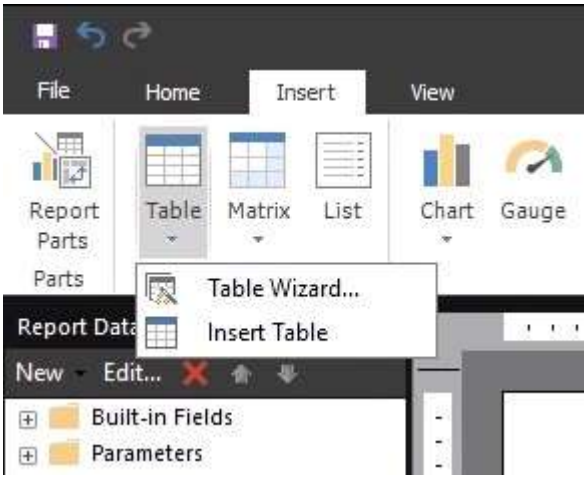

10. Now, in the Home tab hit Run, and you should see “Computer Name” Next to a drop down of computers.



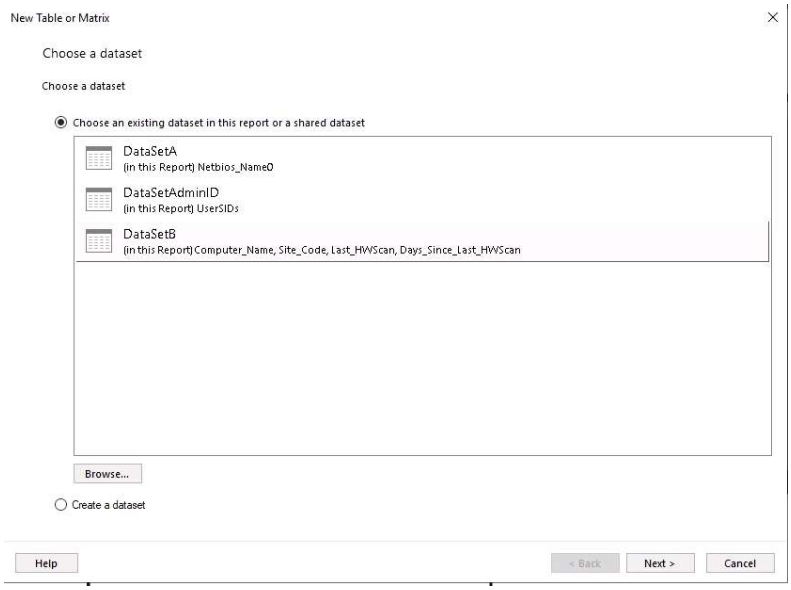
11. To return click on Design. In the Report Data pane, right-click Datasets and then select Add Dataset and Enter the following information.



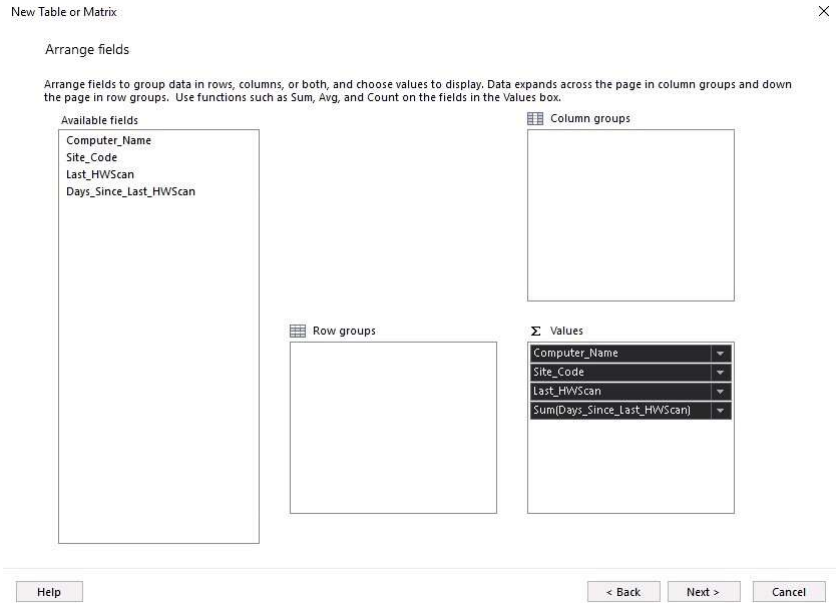

12. Click OK. Then go to the Insert tab and launch the Table Wizard.



13. From Here you want to select your second database, then click ok.




14. Next you will move all your values from Available Fields to the Values table. Then hit Next, Next once more, then hit Finish.



15. Now in the Home tab Hit Run. Select a computer and click View report and it should look like this.