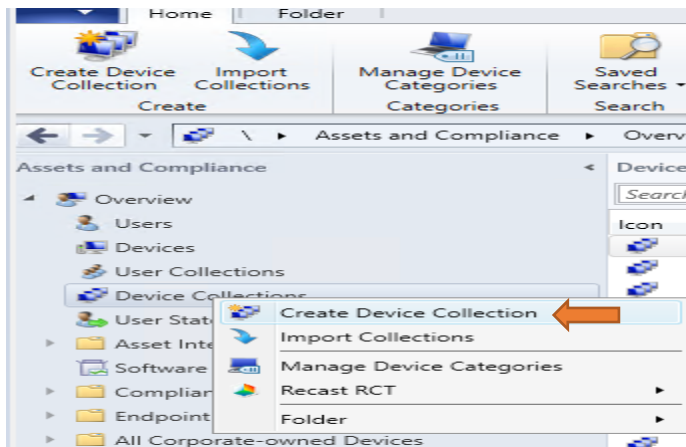
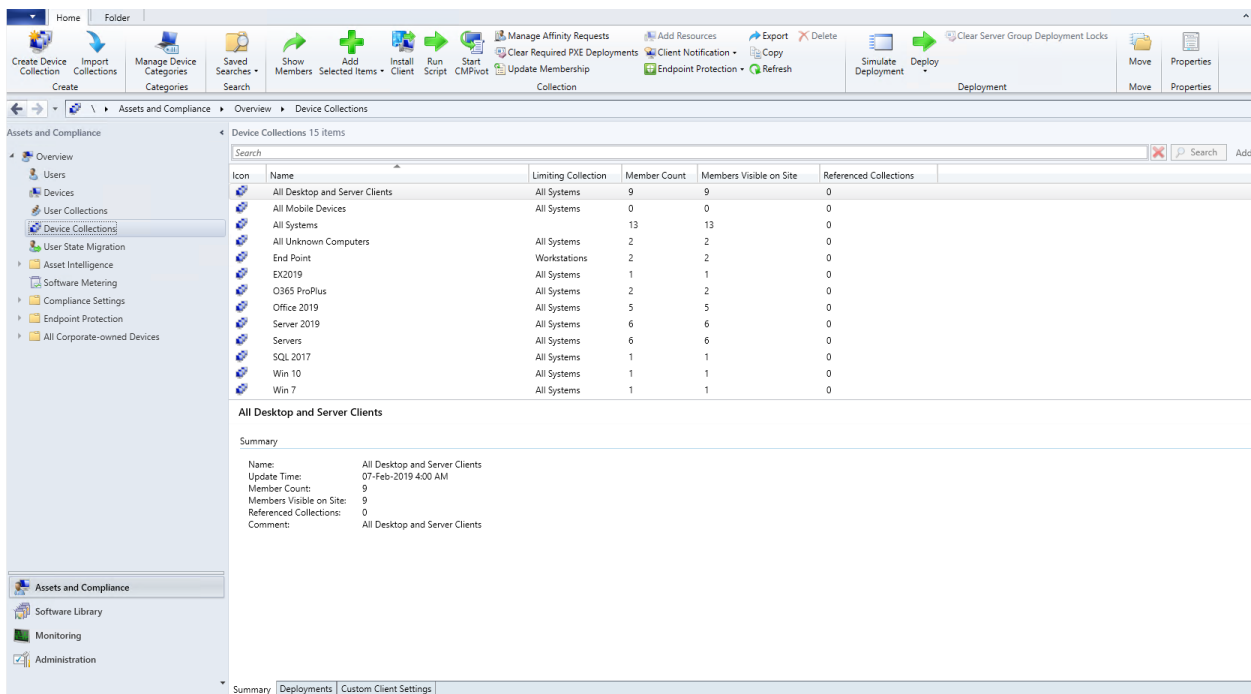


Managing In Active Clients CB 1810

With this SQL query you can list all the device that are inactive which means the clients have not been in contact with SCCM server for quite a while.

```
select
SMS_R_SYSTEM.ResourceID,SMS_R_SYSTEM.ResourceType,SMS_R_SYSTEM.Name,SMS_R_SYSTEM.SMSUn
iqueIdentifier,SMS_R_SYSTEM.ResourceDomainORWorkgroup,SMS_R_SYSTEM.Client from
SMS_R_System inner join SMS_G_System_CH_ClientSummary on
SMS_G_System_CH_ClientSummary.ResourceId = SMS_R_System.ResourceId where
SMS_G_System_CH_ClientSummary.ClientActiveStatus = 0
```

In order to accomplish this task you have to create a device collection called In Active Clients and the details are as follows:





General

- General
- Membership Rules
- Summary
- Progress
- Completion

Specify details for this collection

Name:

Comment:

Select a collection to use as a limiting collection. The limiting collection establishes the resources that you can add to this collection by using membership rules.

Limiting collection:

Last update
The collection has not been updated yet.

Last membership change
The collection has not been updated yet.



Membership Rules

- General
- Membership Rules
- Summary
- Progress
- Completion

Define membership rules for this collection

Membership rules determine the resources that are included in the collection when it updates. You can use membership rules to add a specific object or a set of objects from a query. The collection membership can also include or exclude other collections. Membership rules can add only those objects that are members of the limiting collection.

Membership rules:

Rule Name	Type	Collection Id
There are no items to show in this view.		


Use incremental updates for this collection. An incremental update periodically updates resources that qualify for this collection. This option does not update resources that are not members of the limiting collection.

Schedule a full update on this collection. Occurs every 7 days effective 07-Feb-2019 12:03 PM

Query Rule Properties




General

 Name:

Resource class: ▾


Query Statement:

 Configuration Manager uses the Windows Management Instrumentation (WMI) Query Language (WQL) to query the site database.

Query Statement Properties



Query Language

 You can directly edit the query statement in WQL


Query Statement:

```
select
SMS_R_SYSTEM.ResourceID,SMS_R_SYSTEM.ResourceType,SMS
_R_SYSTEM.Name,SMS_R_SYSTEM.SMSUniqueIdentifier,SMS_R
_SYSTEM.ResourceDomainORWorkgroup,SMS_R_SYSTEM.Client
from SMS_R_System inner join SMS_G_System_CH_ClientSummary on
SMS_G_System_CH_ClientSummary.ResourceId =
SMS_R_System.ResourceId where
SMS_G_System_CH_ClientSummary.ClientActiveStatus = 0
```

Query Rule Properties




General

 Name:

Resource class:

Query Statement:

```
select
SMS_R_SYSTEM.ResourceID,SMS_R
_SYSTEM.ResourceType,SMS_R_SYS
TEM.Name,SMS_R_SYSTEM.SMSUniq
ueIdentifier,SMS_R_SYSTEM.Resource
DomainORWorkamun,SMS_R_SYSTE
```

 Configuration Manager uses the Windows Management Instrumentation (WMI) Query Language (WQL) to query the site database.

Create Device Collection Wizard



Membership Rules

General

Membership Rules

Summary

Progress

Completion

Define membership rules for this collection

Membership rules determine the resources that are included in the collection when it updates. You can use membership rules to add a specific object or a set of objects from a query. The collection membership can also include or exclude other collections. Membership rules can add only those objects that are members of the limiting collection.

Membership rules:

Rule Name	Type	Collection Id
In Active	Query	Not Applicable

Use incremental updates for this collection

An incremental update periodically evaluates new resources and then adds resources that qualify to this collection. This option does not require you to schedule a full update for this collection.

Schedule a full update on this collection

Occurs every 7 days effective 07-Feb-2019 12:03 PM



Summary

- General
- Membership Rules
- Summary**
- Progress
- Completion

Confirm the settings

Details:

General

- Collection Name: In Active Clients
- Comment:

Membership Rules

- (Query) In Active

To change these settings, click Previous. To apply the settings, click Next.

< Previous **Next >** Summary Cancel



Completion

- General
- Membership Rules
- Summary
- Progress
- Completion**



The Create Device Collection Wizard completed successfully

Details:

Success: General

- Collection Name: In Active Clients
- Comment:

Membership Rules

- (Query) In Active

To exit the wizard, click Close.

< Previous Next > Summary **Close**

Now you will see In Active clients within Device Collection. In my lab there are no in active clients. Here is active client screen shot

Assets and Compliance > Overview > Devices

Devices 13 items

Icon	Name	Client	Primary User(s)	Currently Logged on User	Site Code	Client Activity
	192.168.0.1	No				
	AZUREADSSOACC	No				
	CB	Yes		RAMLAN\Administrator	TOR	Active
	DC	Yes			TOR	Active
	EX2019	Yes		RAMLAN\Administrator	TOR	Active
	OFFICESERVER	Yes		RAMLAN\Administrator	TOR	Active
	OM	Yes		RAMLAN\Administrator	TOR	Active
	SFB	Yes		RAMLAN\Administrator	TOR	Active
	WIN10	Yes		RAMLAN\ram	TOR	Active
	WIN7	Yes		RAMLAN\exadmin	TOR	Active
	WIN8	Yes		RAMLAN\ramlan	TOR	Active
	x64 Unknown Computer...	No			TOR	
	x86 Unknown Computer...	No			TOR	

As you see from below screen shot In Active clients is "0". If you have any it will have Member Count.

Assets and Compliance > Overview > Device Collections

Device Collections 16 items

Icon	Name	Limiting Collection	Member Count	Members Visible on Site	Referenced Collections
	All Desktop and Server Clients	All Systems	9	9	0
	All Mobile Devices	All Systems	0	0	0
	All Systems		13	13	0
	All Unknown Computers	All Systems	2	2	0
	End Point	Workstations	2	2	0
	EX2019	All Systems	1	1	0
	In Active Clients	All Systems	0	0	0
	O365 ProPlus	All Systems	2	2	0
	Office 2019	All Systems	5	5	0
	Server 2019	All Systems	6	6	0
	Servers	All Systems	6	6	0
	SQL 2017	All Systems	1	1	0
	Win 10	All Systems	1	1	0

If you don't want to create a device collection for inactive clients you can do this as well.

The screenshot shows the Microsoft Configuration Manager console. The left-hand navigation pane is expanded to 'Administration' > 'Site Configuration' > 'Sites'. The main pane displays a table of sites:

Icon	Name	Type	Server Name	State	Site Code	Parent Site Code
	TOR - Toronto Headquarters Site	Primary site	CB.RAMLAN.CA	Site Active	TOR	

Below the table, the details for the 'Toronto Headquarters Site' are shown:

General	Content Library	Related Objects
Site Code: TOR Server Name: CB.RAMLAN.CA Install Directory: C:\Program Files\Microsoft Configuration Manager Build Number: 8740 State: Site Active	Location: Move Status: Move Progress (%) 100	Discovery Methods File Replication Show Status

The 'Site Maintenance' dialog box is open, titled 'Configure the list of maintenance tasks for this site.' It contains a list of tasks with an 'Enabled' checkbox for each:

Name	Enabled
Delete Aged Devices Managed by the Exchange Server Connector	Yes
Delete Aged Discovery Data	Yes
Delete Aged Distribution Point Usage Data	Yes
Delete Aged Endpoint Protection Health Status History Data	Yes
Delete Aged Enrolled Devices	Yes
Delete Aged Inventory History	Yes
Delete Aged Log Data	Yes
Delete Aged Notification Task History	Yes
Delete Aged Passcode Records	Yes
Delete Aged Replication Summary Data	Yes
Delete Aged Replication Tracking Data	Yes
Delete Aged Software Metering Data	Yes
Delete Aged Software Metering Summary Data	Yes
Delete Aged Status Messages	Yes
Delete Aged Threat Data	Yes
Delete Aged Unknown Computers	Yes
Delete Aged User Device Affinity Data	Yes
Delete Expired MDM Bulk Enroll Package Records	Yes
Delete Inactive Client Discovery Data	Yes
Delete Obsolete Alerts	Yes
Delete Obsolete Client Discovery Data	Yes
Delete Obsolete Forest Discovery Sites And Subnets	Yes

At the bottom of the dialog, there are buttons for 'Edit...', 'Disable', 'OK', and 'Cancel'.

Delete Aged Discovery Data Properties [Close]

General

This task deletes aged discovery information from the database.

Enable this task

Delete data that has been inactive for (days):

Schedule

Start after:

Latest start time:

Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday
 Sunday

Delete Inactive Client Discovery Data Properties [Close]

General

This task deletes inactive client data from the site database.

Enable this task

Delete data that has been inactive for (days):

Schedule

Start after:

Latest start time:

Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday
 Sunday

Thanks

Ram Lan
6th Feb 2019

Why clients become In Active?

When a client is no longer communicating with SCCM, you have a couple of options. But first, let's learn why our clients become inactive and how to find them.

Why are my SCCM clients inactive? ^

The easiest way to explain this is to understand how a client remains active. A client remains active if it is discoverable and if it communicates with your SCCM servers. Communication can include:

Heartbeats

System Discovery

Network Discovery

So, a client can be marked as inactive if it fails to update SCCM due to issues such as loss of connection, restrictive firewall settings, and client corruption. We are going to tackle this last problem in a bit.

When dealing with inactive clients, you might run across false positives. These are Active Directory computer accounts that have gone stale (no longer linked to a physical computer). When the System Discovery process runs, these objects are imported into SCCM. To avoid this issue, it is important to regularly clean stale computer accounts.

At top of this page, I have detailed the way to clean up in active clients or stale computers from CB 1810.