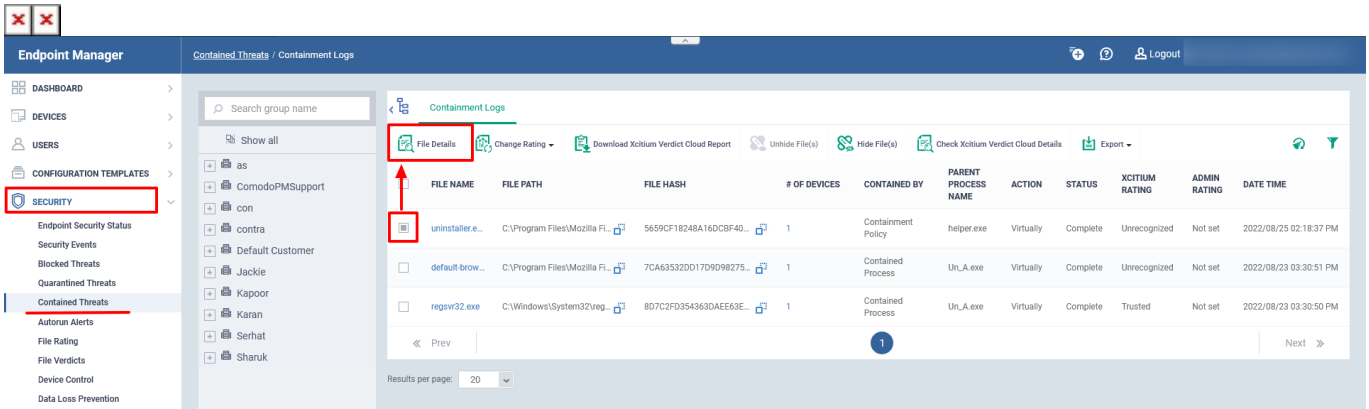
# How to view full process tree of a contained application

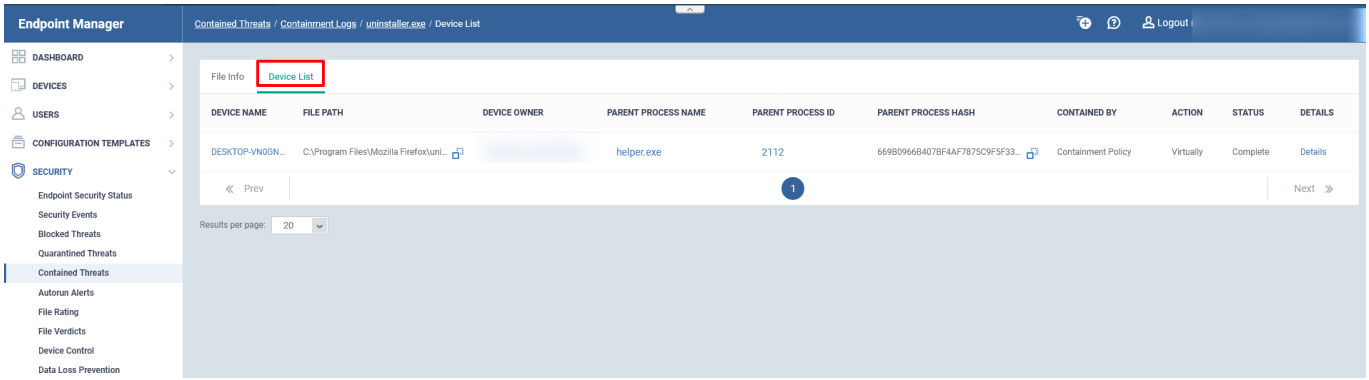
- The container is a secure, virtual environment which is isolated from the rest of the host.
- Applications in the container pose no threat to the endpoint as they cannot write to the host system and cannot access other processes.
- Xcitium Client Security (CCS) will run a file in the container for two reasons:
    - Because it has a trust rating of 'unknown'.  This means it is not yet confirmed as safe to run on the host.
    - Because the file met the conditions of an auto-containment rule which is active on the endpoint.
- Parent process information is useful for admins who need granular knowledge about the applications on their network.
- This article explains how to use both the Endpoint Manager and CCS to find the parent process of a contained application.
    - Use Endpoint Manager to view the parent processes of a contained application
    - Use CCS to view the parent processes of a contained application

**Use Endpoint Manager to view the parent process tree of a contained application**

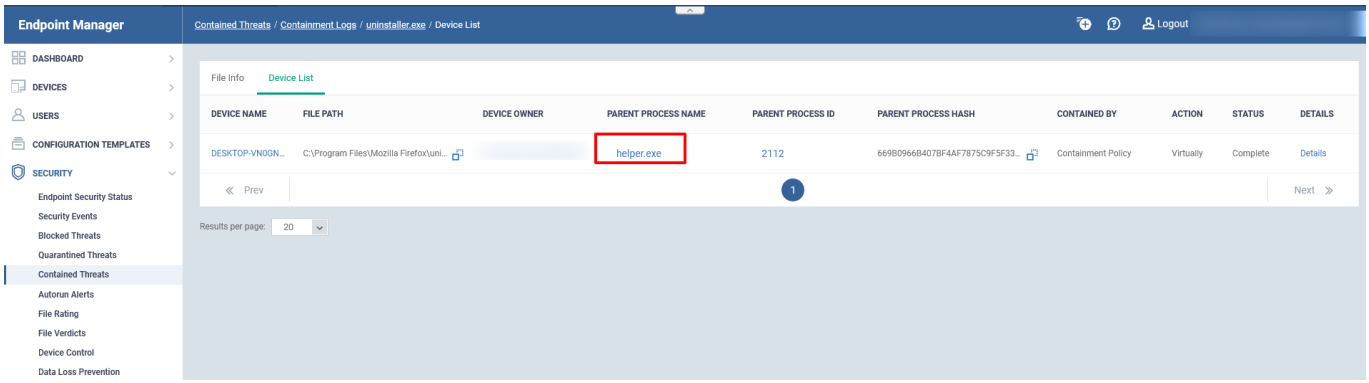
- Login to Xcitium
- Click 'Applications' > 'Endpoint Manager'
- Click ‘Security Sub-Systems’ > ‘Containment’
- Select the file whose parent process you want to view
- Click the ‘File Details’ button:




- Click the ‘Device List’ tab:




- Click the name of the file in the ‘Parent Process’ column:

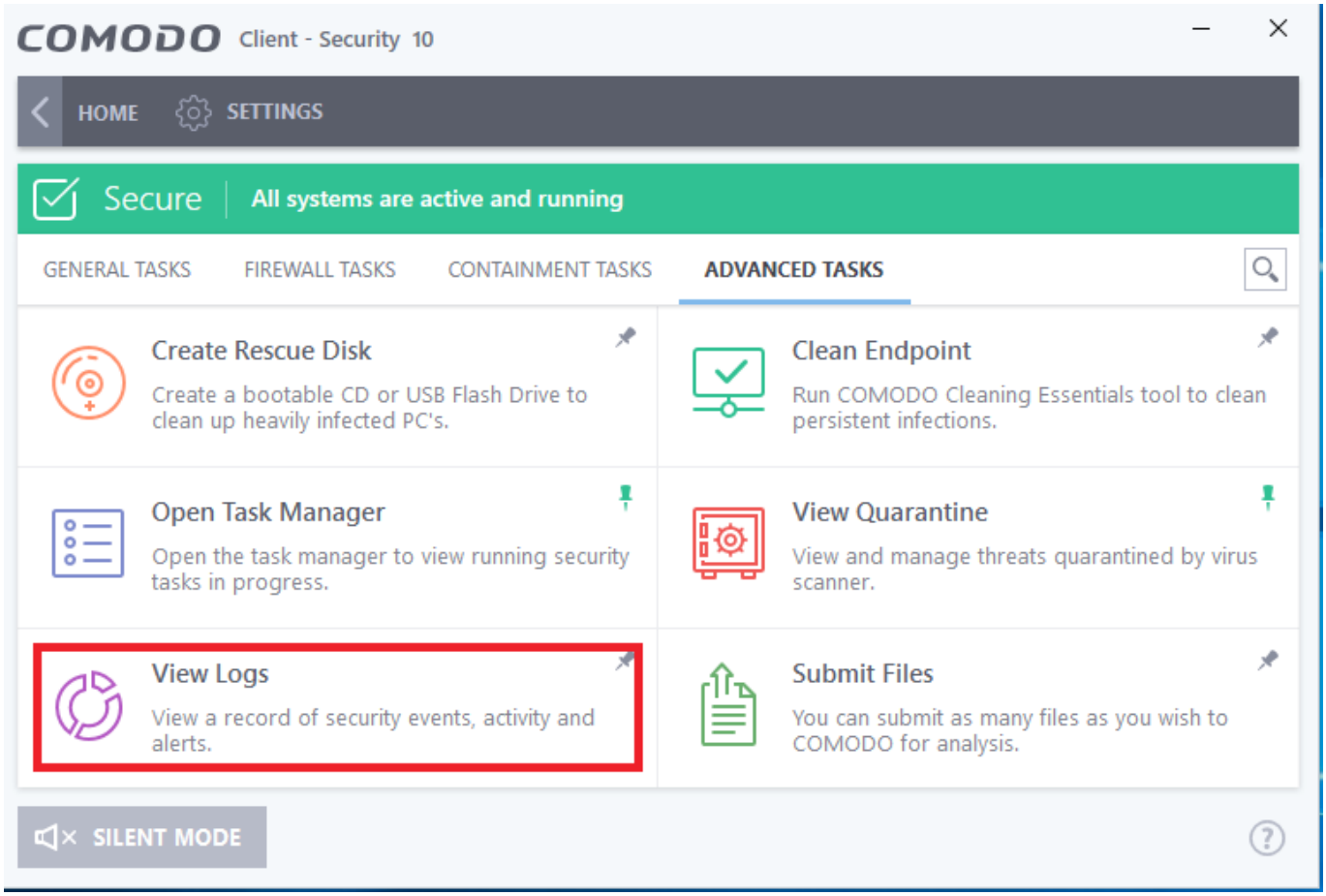



- The full process tree is shown as follows:

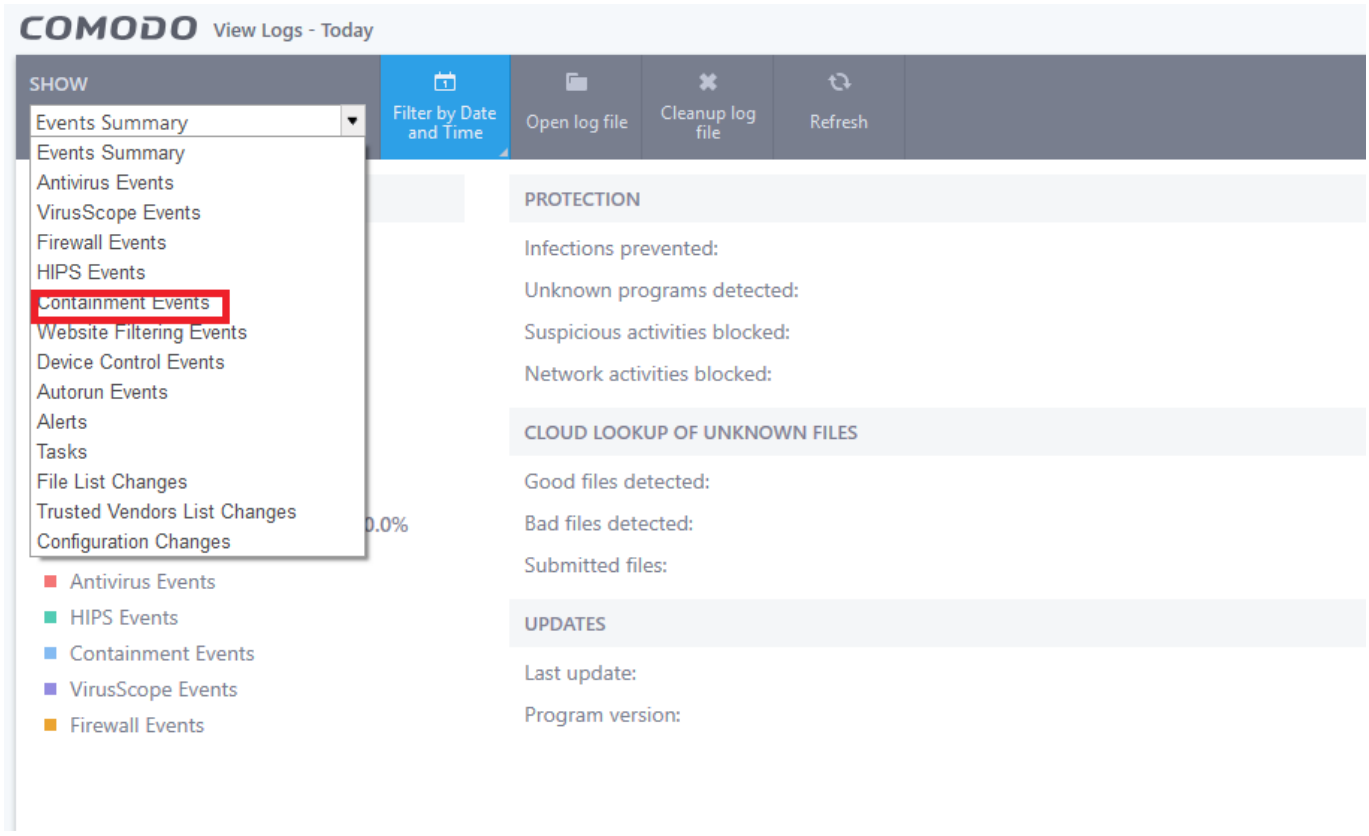

**Use CCS to view the parent process tree of a contained application**

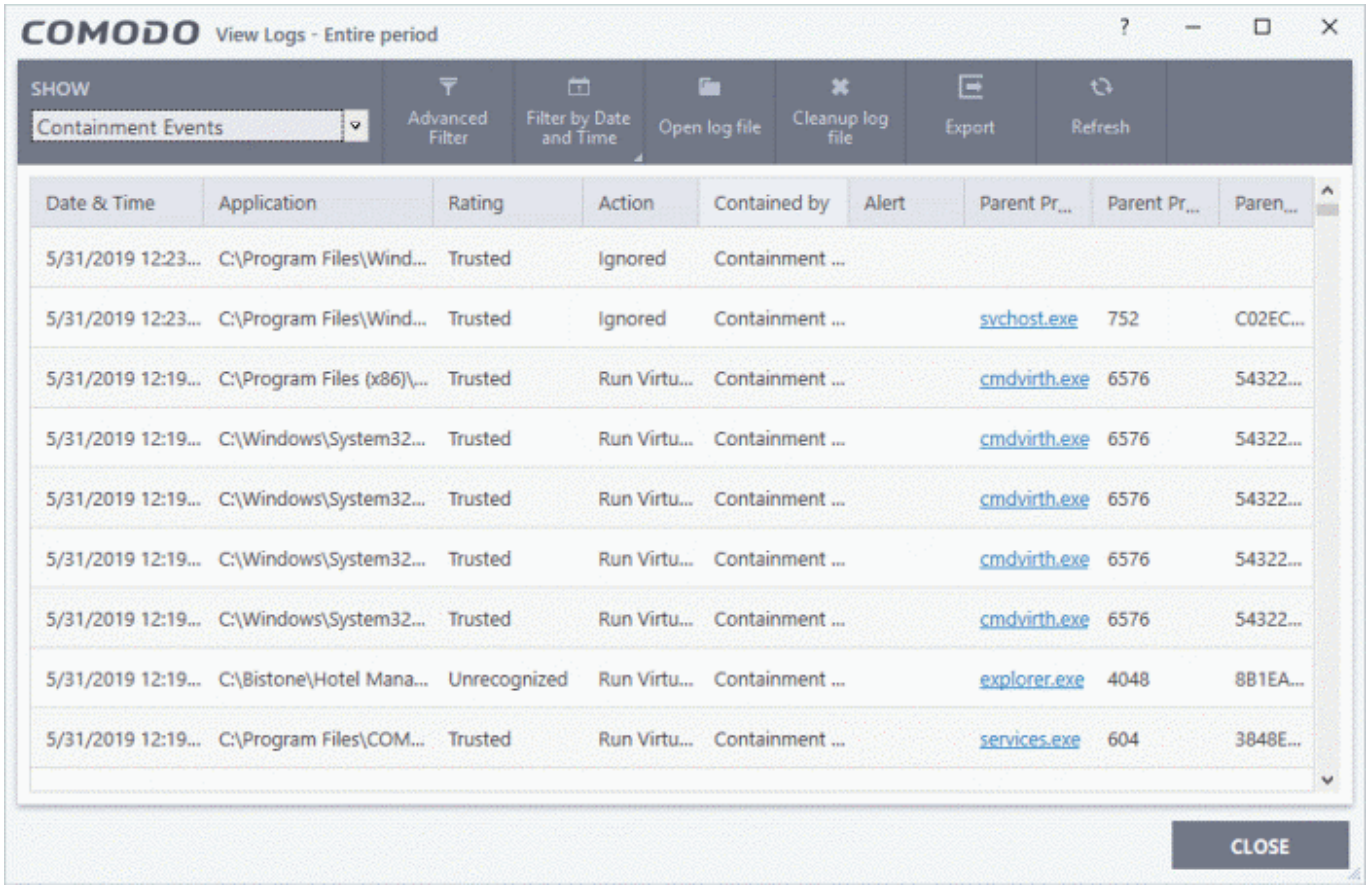
- Open Xcitium Client Security (CCS) on the endpoint
- Click 'Tasks' at the top-left of the home screen

- Click 'Advanced Tasks' > 'View Logs'



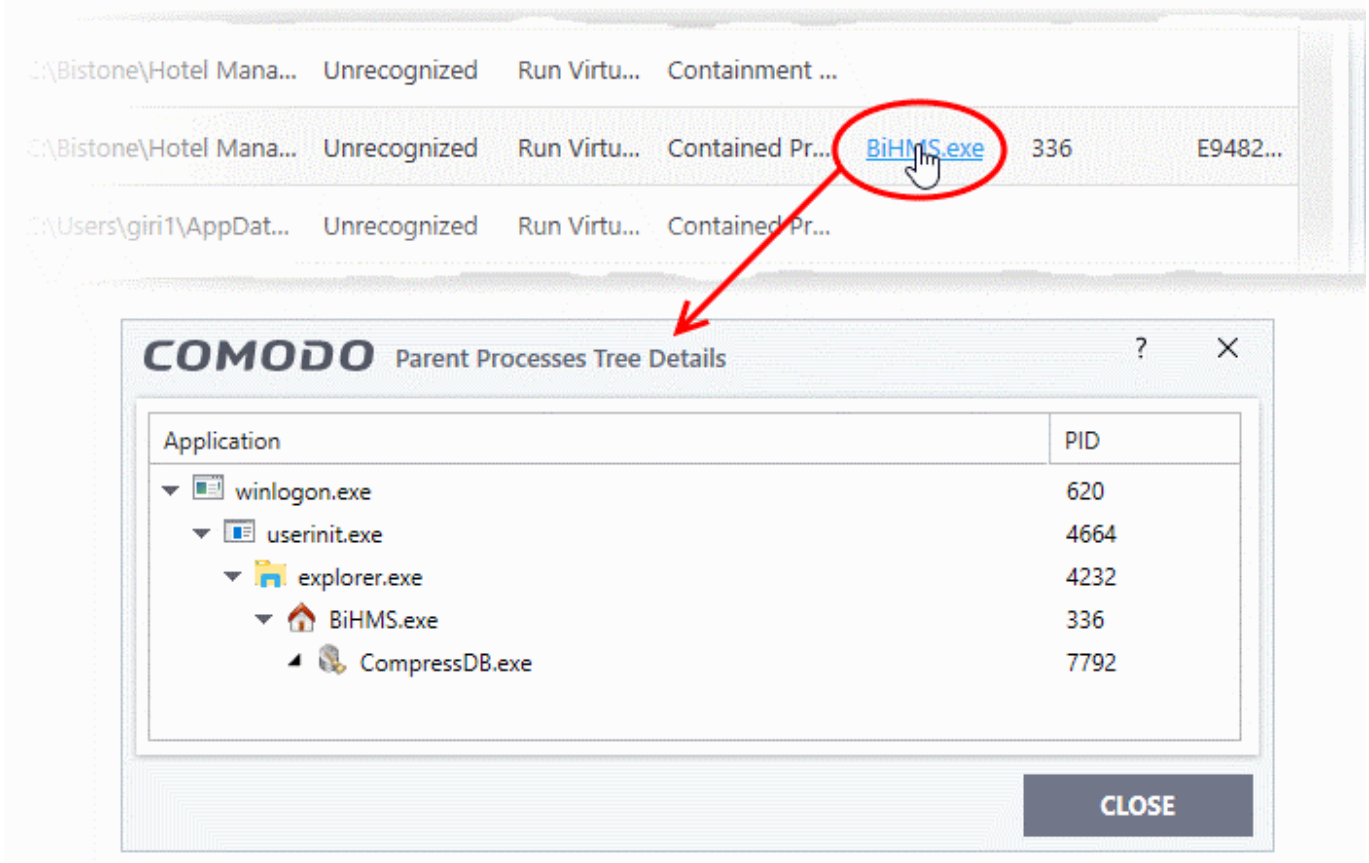

- Click the 'Show' drop-down at top-left and select 'Containment Events':






The log viewer shows a list of containment events on the endpoints.

- **Date & Time** - When the event occurred.
- **Application** - The installation path of the application that was run in the container.
- **Rating** - The reputation of the contained application.
- **Action** - How the application was handled by CCS. This is also the restriction level imposed on the application by the container.
- **Contained by** – The CCS service, policy or user that placed the application in the container.
- **Alert** - Click 'Related Alert' to view the notification generated by the event.
    - These alerts are only shown to users if 'Do not show privilege elevation alerts' is disabled in 'Settings' > 'Containment' > 'Containment Settings'.
- **Parent Process** - The program which spawned the contained process.
    - Click the name of the parent process to view the full process tree:




- **Parent Process ID** - The unique identifier that points to the process.
- **Parent process hash** - The SHA1 hash value of the program which spawned the contained process.