IMPLEMENTATION OF DESKTOP VIRTUALISATION

I have successfully implemented desktop virtualization by taking the help Manage-Engine Desktop Central as a tool. It is integrated desktop and mobile device management code that helps in managing servers, computers, etc. from a central location.

It supports managing Windows, Mac and Linux system operating systems.

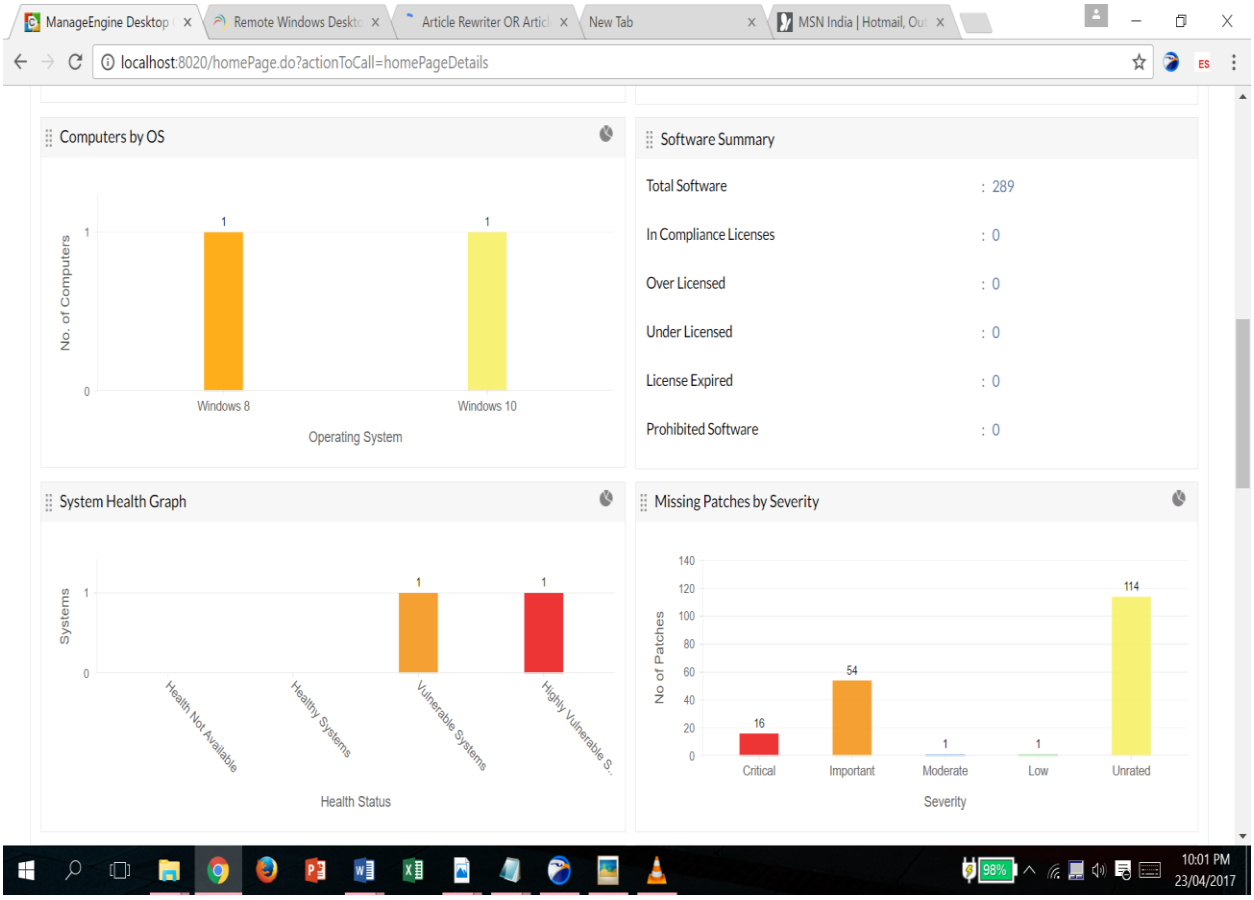
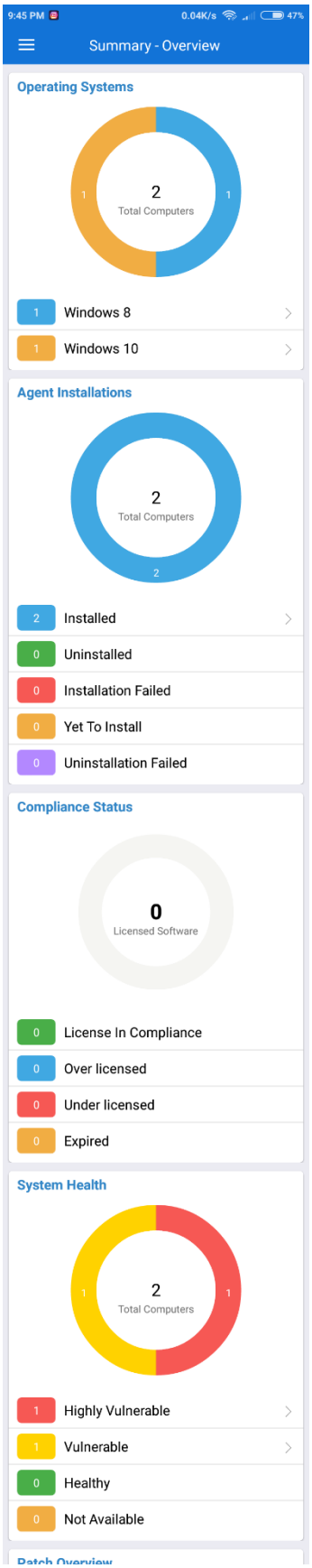


Figure- On successful connection for two devices

Here we get graphs for all the devices successfully connected and for the no. of Operating Systems for each devices and then combining devices having same operating systems. And for other system conditions like system health and for missing patches by severity of the problem.



1. Desktop Central Mobile App

Desktop Management is not any a lot of employment that holds you to be back on your seat. you'll be able to currently begin managing your desktops and servers from anyplace, any time, and playacting activities like putting in agent on a replacement laptop, to retiring computers from the network. Desktop Central's mobile app, are often wont to manage Windows, Mac and Linux computers.

We can manage our mobile devices to deploy profiles and policies, piece devices for wireless fidelity, VPN, Email accounts, etc., apply restrictions on exploitation camera, browser, etc., and to secure your devices like sanctioning passcode, remote lock/wipe, etc. Also we can manage all of your iOS, golem and Windows smartphones and tablets.

This feature of Desktop Central for mobile applications is very useful to control all the devices connected in it and to check their status while you are on-the-go. We can also control the devices hence saving resources to manually operate to do processes like shutdown and switching on.

We can check the status of the different software to check their licence and their security issues ,with each software and to remote control their issues. We can also check for energy consumption by each system and can check if any system is having any malfunction.

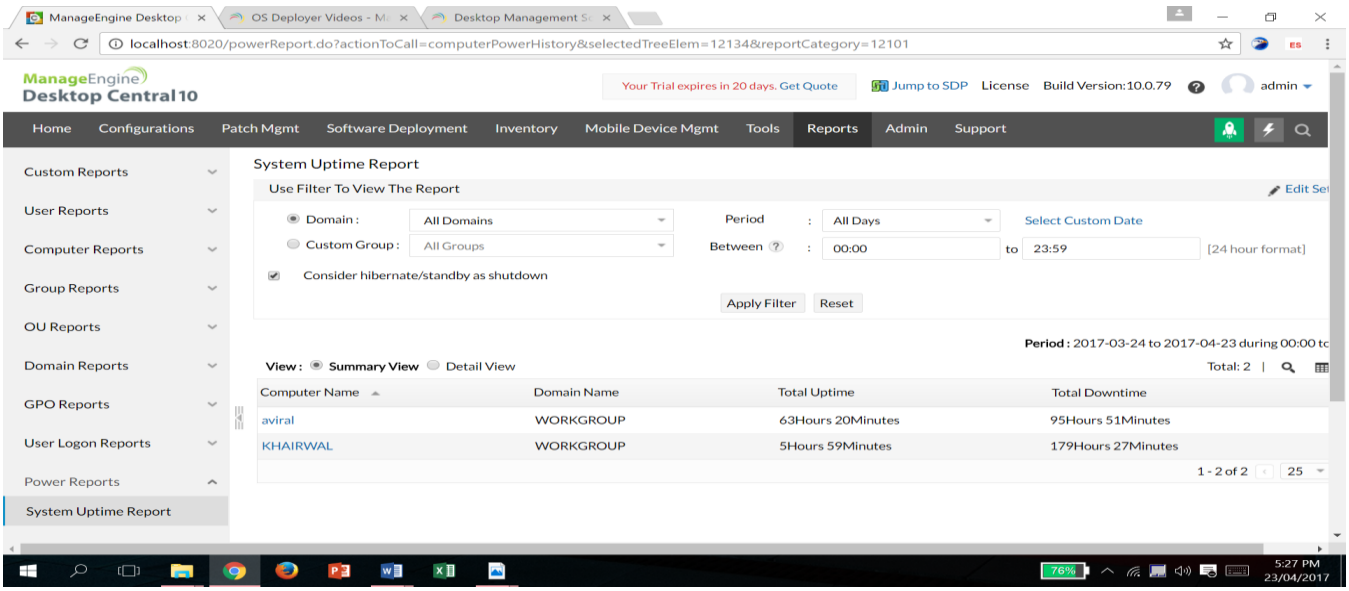
Moreover, it reduces the overall cost of reaching each system and manually operate them using any Android or iOS device from anywhere around the place. Here we can also check the health of all components of the system in all aspects of hardware and software of the system.

In the left side, I have attached a screenshot of the application installed in my mobile to check the status of my two devices connected with the Android application.

We can download the Desktop Central mobile app from the App/Play Store. Desktop Central's mobile app is now available for both iOS and Android devices. We can access the features in the mobile app, by the role and permissions assigned for every user. For example, if a user has read only role in Desktop Central, his access using the app will remain the same.

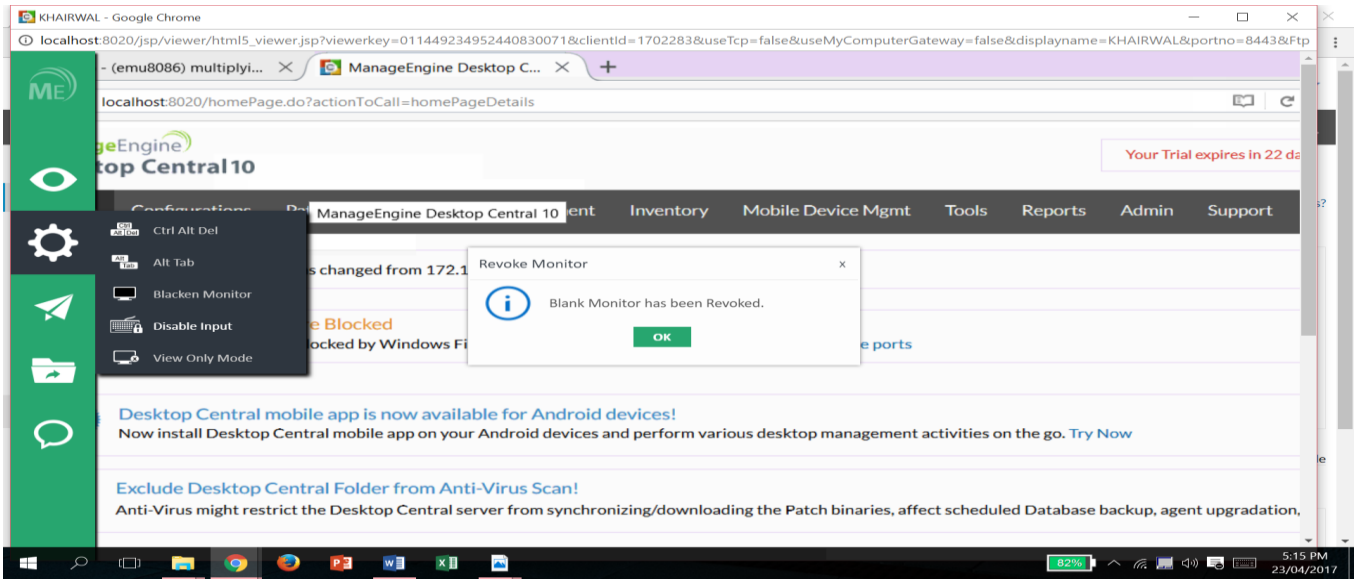
2. ENERGY EFFICIENCY TRACKING IN THE SOFTWARE

Here we can make use of the feature of the software to track the total uptime and downtime of the systems attached , so that we can generate a graph for the total energy saved by the client computers in this process.



In the above scenario, we have calculated the total uptime of the server computer(aviral) to the total uptime of client computer(KHAIRWAL) and can clearly see the difference.

The server computer has to work for more than 10 times so that to compensate the client computer, but in the process we can save the energy of one computer. So subsequently we can reduce more amount of energy if we connect more devices. This leads to higher downtime of client computer in order to save energy of client computer.



We can also save energy by closing the monitor and its input by enabling Remote Control and selecting Blacken Monitor and Disable input. This helps in saving energy used by the system for using Monitor , Keyboard, mouse, touch pad and other input devices. This helps in decreasing energy consumption by significant amount by each system and then we can end up in saving lots of energy used by many systems , which would be responsible for better Green Services as a result.

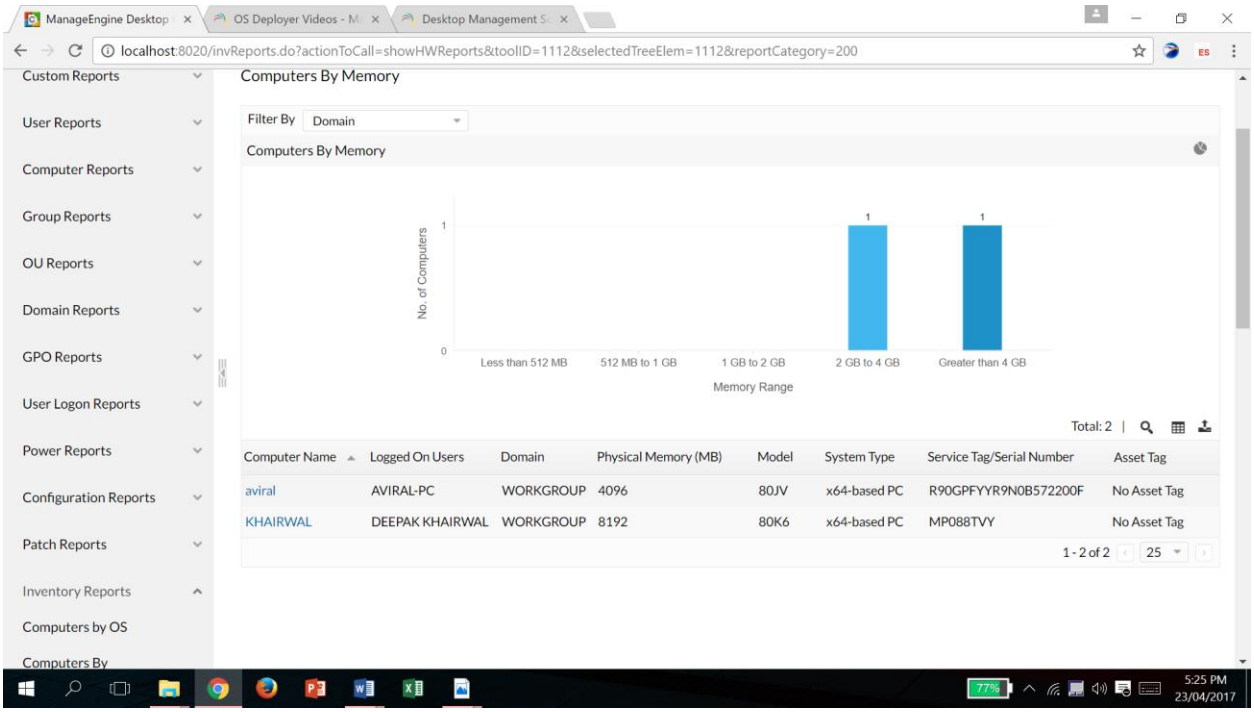
We can therefore save large amount of energy by using these features.

3. MEMORY MANAGEMENT

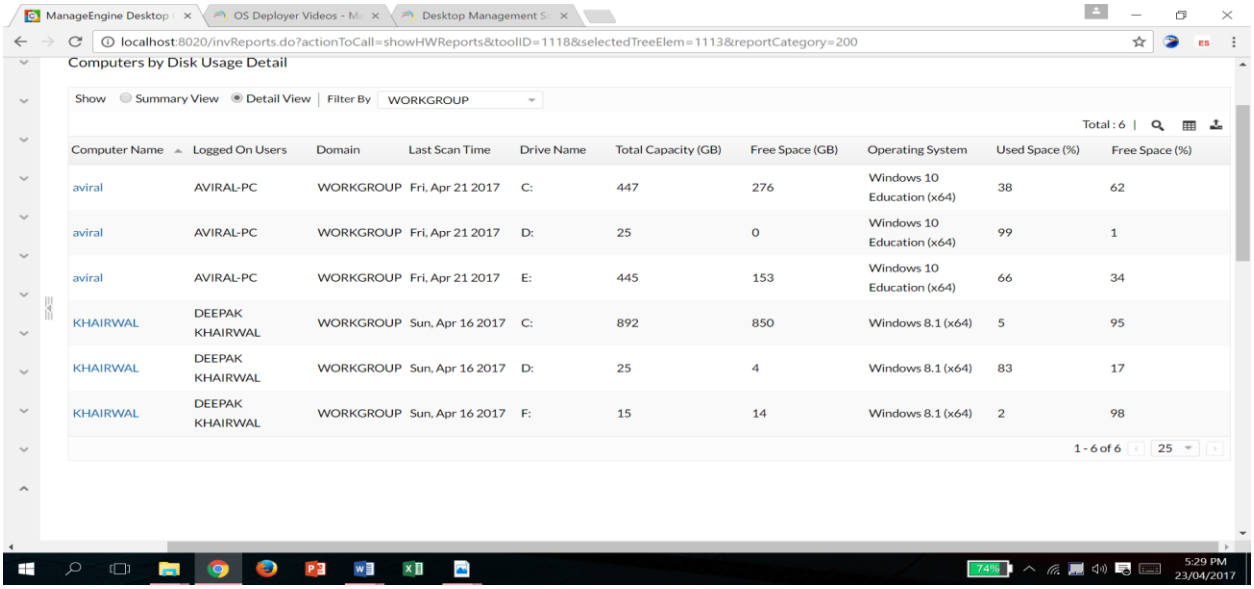
Memory Management is the process of efficiently using storage power and combining un-utilised resources for better performance of system. Memory can shared among devices having different storage capacities for RAM and ROM.

Below is the form of implementation to show capacity of different systems connected

1. In terms of RAM.

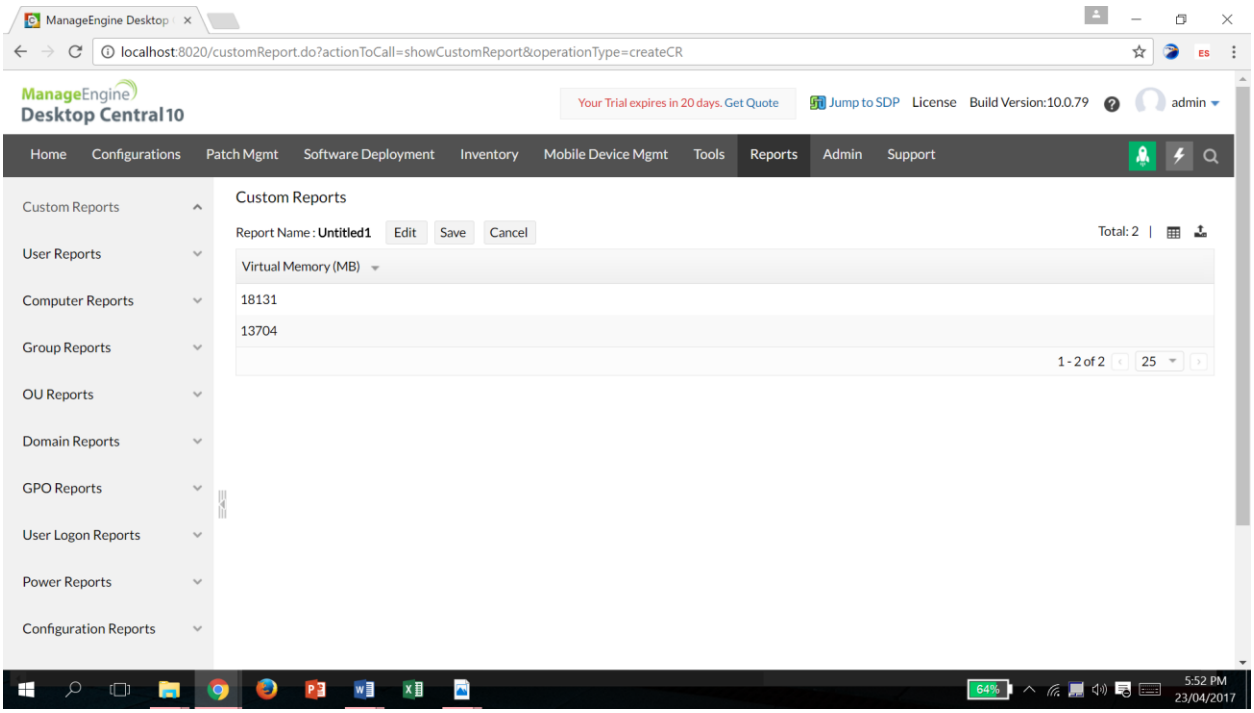


2. In terms of ROM(free space and total capacity)



3. In terms of Virtual Memory of different systems

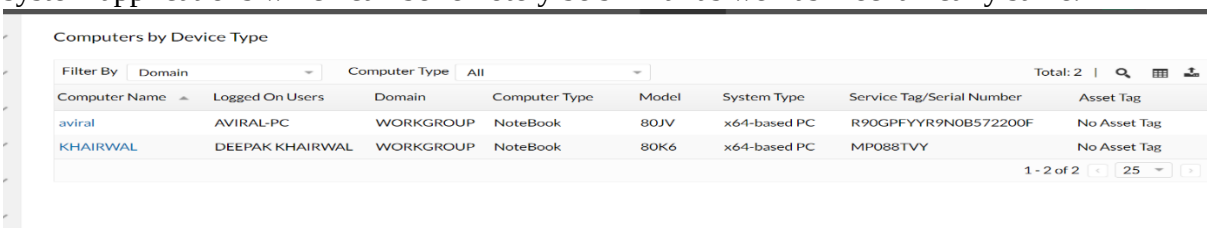
These memory can be combined to get better performance of the entire network of systems.



4. SOFTWARE DEPLOYMENT

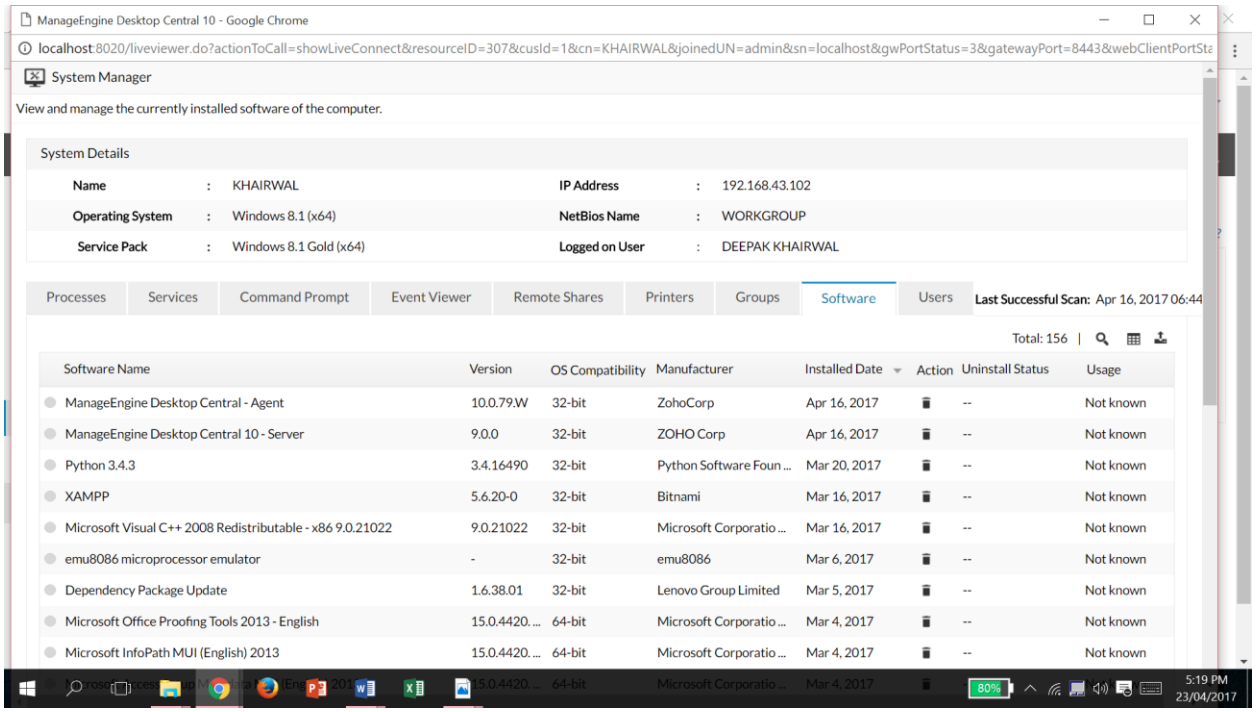
Deploying software system to multiple systems manually may be a time intense task, particularly once IT admin should perform software system preparation as a vicinity of desktop management routine. Also, performing arts tasks like software system installation and uninstallation/deletion while not an automatic software system involves complications that may consume the time of an IT administrator with its effort and time.

Desktop Central grants the IT admin is to use, distribute, install, update and uninstall software system applications which can be remotely be similar as well as mechanically same.



Installation method for Software Deployment

Desktop Central's package readying for Windows helps increasing the administrator's productivity by supporting remote MSI & EXE software/application readying. Desktop Central will mechanically install MSI & EXE package to users or computers at a scheduled time. Also, Desktop Central supports package installation to users and computers or mass installation to OUs, Domains and Sites.



Here I can manage client's software in the server computer to be used on any access medium.