



## PERSYSTENT CLIENT SERVICE

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### Overview

Persysent Client is a Windows service which runs on all Persysent computers. This service is responsible for communicating with Persysent Server to get new policy and schedule information, update software and hardware inventory and upload any Repair Points.

### Requirements

- Windows XP SP3 (Imaging Only); Windows Vista SP2 (32-bit and 64-bit Business and Ultimate Editions); Windows 7 (32-bit and 64-bit Professional, Ultimate, Enterprise Editions), Windows 8/8.1 (32-bit and 64-bit Pro and Enterprise Editions), Windows 10
- 1 GHz processor recommended
- 1 GB RAM minimum (2 GB RAM or more recommended)
- 50 GB HDD minimum with at least 15 GB free space for a cache partition

### Specifications

- Persysent Client Service uses WCF (Windows Communication Foundation) to communicate with the Persysent Server.
- Persysent Client Service uses port 8080 unless otherwise specified at install time.
- Persysent Client Service can be configured to use HTTP/HTTPS or TCP or TCP for local computers and HTTP/HTTPS for remote computers.



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## Installation Options

### Automated Deployment as Part of the Imaging Process

Many organizations choose to deploy Persysntent Client as part of their normal computer refresh cycles. This methodology allows administrative staff to have Persysntent installed with little additional effort added to the normal imaging process. This also allows a phased rollout across the environment.

### Inherit Existing Machines

Persysntent Client can be installed on existing computers. This can be accomplished through the Client Build Screen or through a MSI installer. When a computer is PXE booted, the user can walk through a wizard to inherit a machine into Suite. Another option is to use the MSI installer that can be deployed throughout your organization.

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## Persysntent Client Service Tasks

### Get Policy and Schedule

Persysntent Client Service will poll the server based on policy setting (default is every 30 minutes). The average amount of information which is transferred between the Persysntent Server and Client is about 8 KB (see figure – 1 for resource monitor). Here is the information which gets exchanged between Persysntent Client and Persysntent Server:

- Get any changes in Policy for the computer from the Persysntent Server.
- Get any schedule that needs to be executed on the computer from Persysntent Server.
- Update history on any previously executed schedule on the computer to Persysntent Server.

### Collect Inventory

Persysntent Client Service will collect hardware and software inventory of the computer based on policy settings (default is enabled). If enabled, Persysntent Client Service will collect inventory on startup of Windows only or upon service restart. Here is some of the information which is collected:

- BIOS Information
- System Chassis Information
- Operating System Information
- Volume Information

- Processor Information
- Network Adapter Information
- Device Information
- Installed Application Information

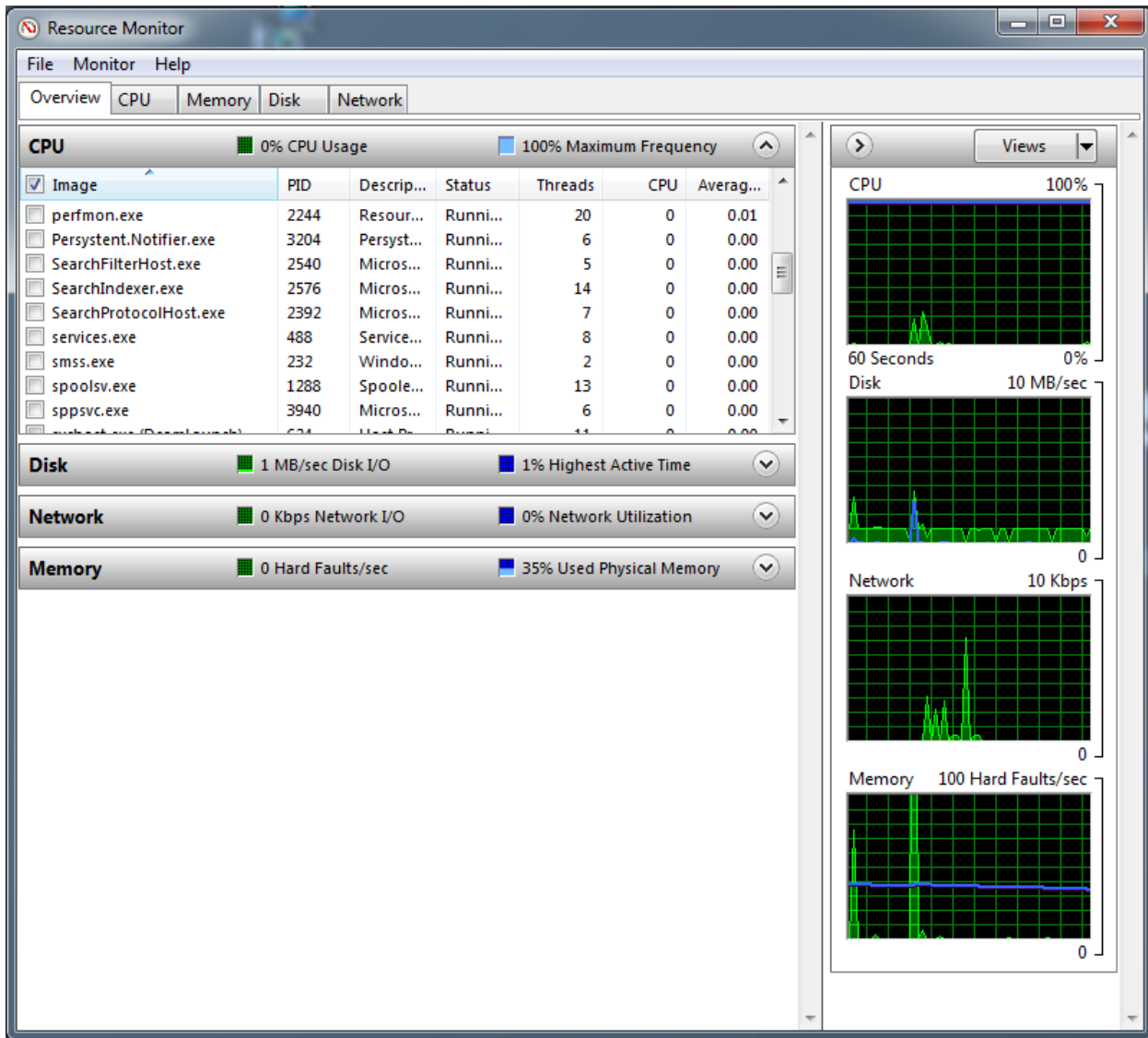


Figure 1 - Resource Monitor for Policy/Schedule/Inventory

## Upload Repair Points

Persystent Client Service will upload newly created Repair Points to the Persystent Server based on policy setting. If enabled, Persystent Client Service will upload only files which the server does not already have. This limits uploading large number of files and typically takes few minutes if not seconds (See figure 2 for resource monitor when a client is uploading a Repair Point). Persystent Client Service will only upload the Repair Point on startup of Windows or upon service restart. Persystent Client Service will start uploading where it was left off if computer or service was restarted.

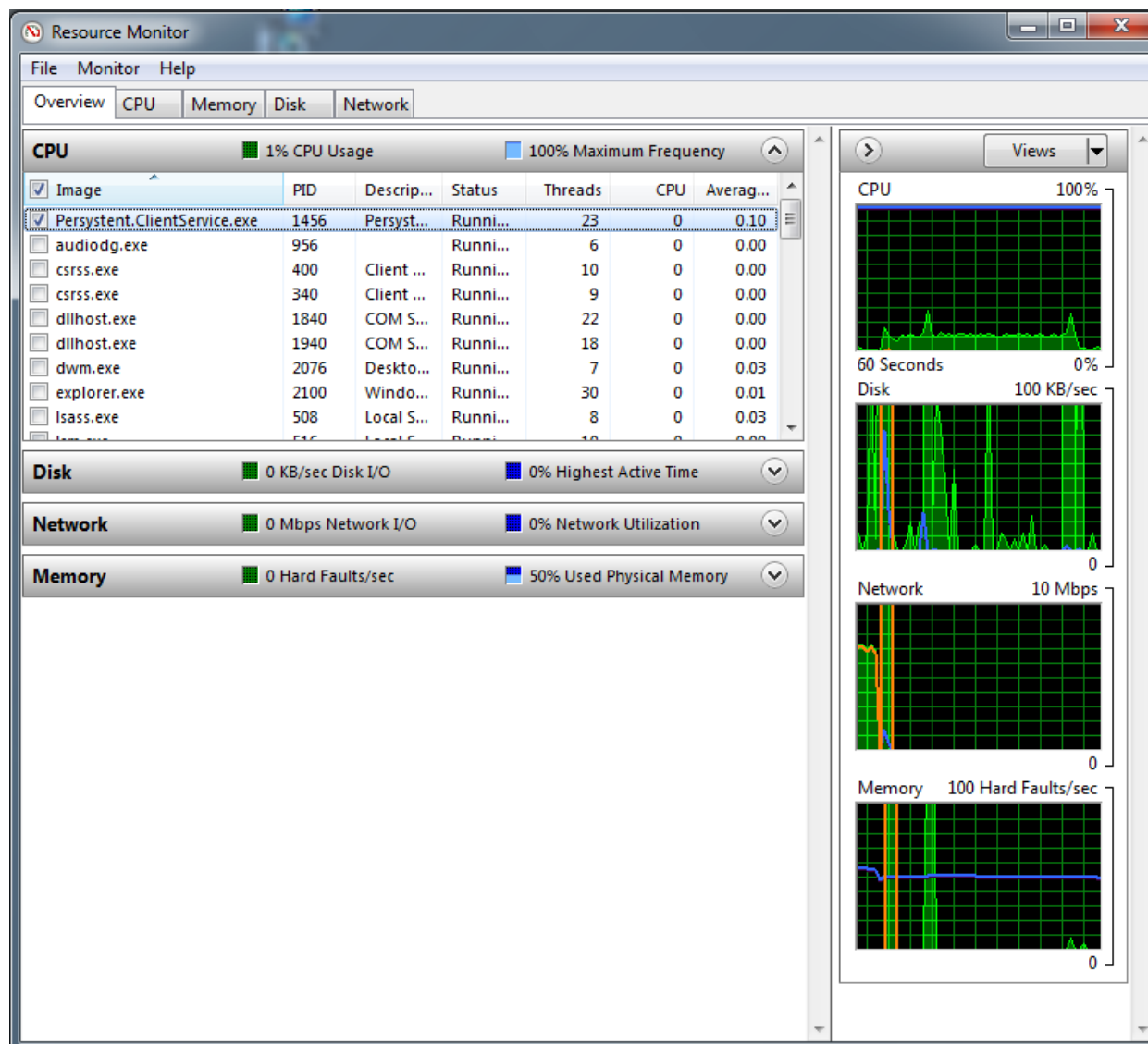


Figure 2 - Resource Monitor for uploading Repair Point to Persystent Server

## UTOPIC

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