

**ManageEngine Endpoint Central**  
*- ROI Calculation*

# ManageEngine Endpoint Central

## Objective

This document will help you arrive at the ROI (Return on Investment) using Endpoint Central versus doing it manually.

## Assumptions

- Network of 100 computers.
- Hourly salary for a technician to be \$35.

## Summary

The following graph depicts the time spent on each of these tasks manually versus doing it with Endpoint Central. You will save a whopping **90%** of cost and efforts when you use Endpoint Central.

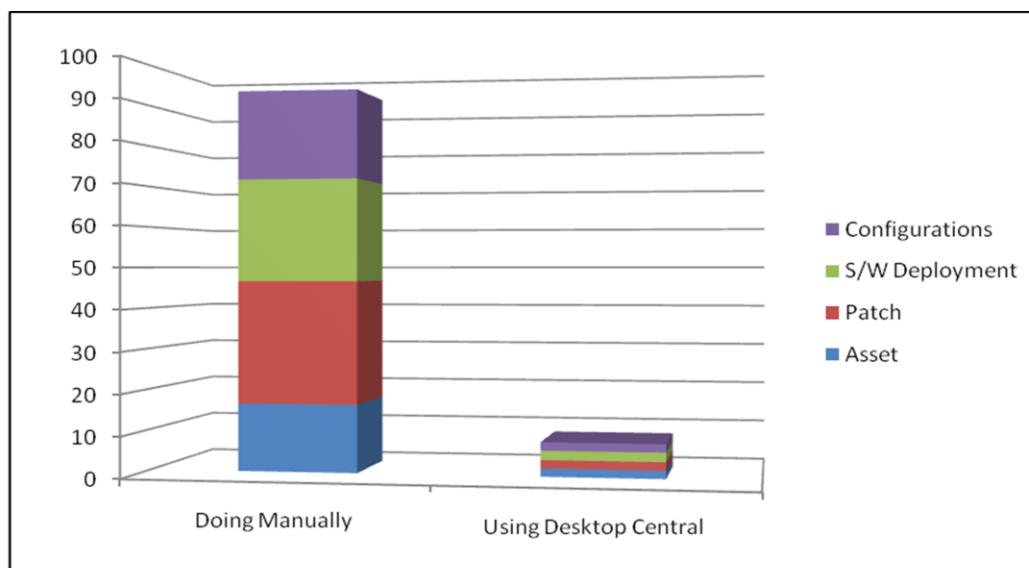
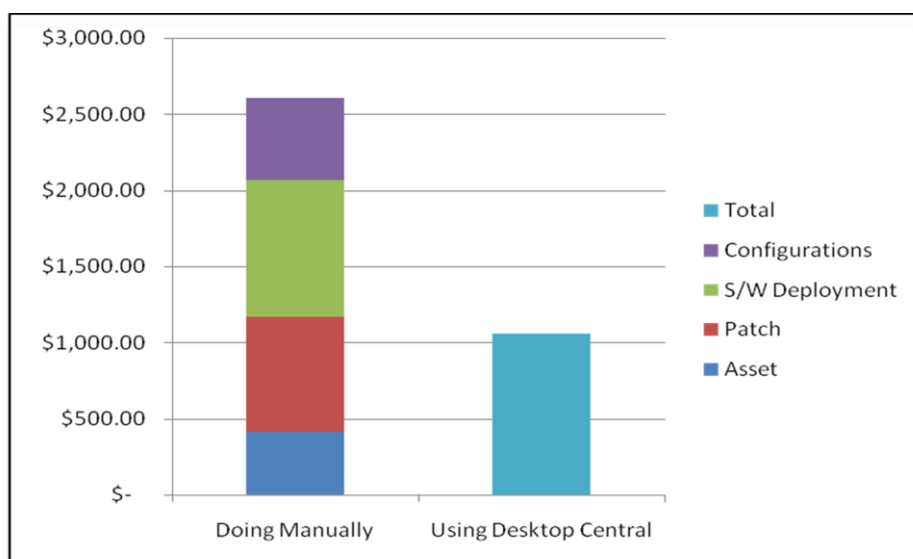


Fig: Man hours spent – Manual vs Endpoint Central

### Note:

The graph shown above is for doing these tasks just once. When you increase the number of times you perform these tasks, you would tend to save even more as most of these tasks get automated in Endpoint Central.

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## Notes:

- While the cost of doing each task manually can be calculated, it is hard to do it for Endpoint Central as it is an integrated software. The graph above shows the total cost of performing these tasks using Endpoint Central individually.
- Whether or not you do these tasks once or multiple times a year, the cost of doing it with Endpoint Central is going to remain the same or may increase marginally, if you take into account the time spent by the technician initiating the tasks from the management console.

Now, we will see the break-up of the data shown above for each task/modules.

## Manual Procedure

### Asset Scanning and Reporting

| Task   | Time per computer | Total Time for 100 computers |
|--|-------------------|------------------------------|
| Manual Scan to get hardware and software details | 5 minutes         | 8.33 man hours               |
| Preparing a report on results                    | 5 minutes         | 8.33 man hours               |

**\*\* Applicable only if automatic update is not enabled**

## Identify the missing patches and installing

| Task  | Time per computer | Total Time for 100 computers |
|---|-------------------|------------------------------|
| Identify the missing patches for 3 <sup>rd</sup> party applications like Adobe, Java, Firefox, etc. | 3 minutes         | 5 man hours                  |
| Download the required patches from the vendor's website and install them                            | 5 minutes         | 8.33 man hours               |
| Identifying the missing Microsoft Patches**   | 5 minutes         | 8.33 man hours               |
| Downloading and Installing the missing Microsoft Patches**  | 5 minutes         | 8.33 man hours               |

## Deploying software applications

| Task                             | Time per computer | Total Time for 100 computers |
|----------------------------------|-------------------|------------------------------|
| Deploying a simple software      | 3 to 5 minutes    | 5 to 8.33 man hours          |
| Deploying MS office applications | 15 minutes        | 25 man hours                 |
| Installing Service Packs         | 3 minutes         | 5 man hours                  |

## Desktop/ Application configurations and Security Restrictions

| Task   | Time per computer | Total Time for 100 computers |
|--|-------------------|------------------------------|
| Configuring display settings, application settings, browser settings, etc.         | 3 minutes         | 5 man hours                  |
| Applying security policies, restricting USB device access, file restrictions, etc. | 5 minutes         | 8.33 man hours               |
| Local user management, mapping drives, installing printers, etc.                   | 5 minutes         | 8.33 man hours               |

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## Using Endpoint Central

| Task   | Time per computer | *Total time for 'n' computers |
|--|-------------------|-------------------------------|
| Installing and setting up of Endpoint Central                                      | -                 | 120 minutes                   |
| Automating Asset Scanning and Reporting  |                   | 2 minutes                     |
| Automating Patch scanning and deployment   |                   | 5 minutes                     |
| Deploying a simple software  | 2 minutes         | 2 minutes                     |
| Deploying MS Office  | 15 minutes        | 15 minutes                    |
| Installing Service Packs   | 2 minutes         | 2 minutes                     |
| Configuring display settings, application settings, browser settings, etc.         | 2 minutes         | 2 minutes                     |
| Applying security policies, restricting USB device access, file restrictions, etc. | 5 minutes         | 5 minutes                     |
| Local user management, mapping drives, installing printers, etc.                   | 5 minutes         | 5 minutes                     |

**\*Note:** 'n' ranges from 1-15000.

## Comparing the time taken to do things manually and using Endpoint Central

| Task   | Doing Manually |         | Using Endpoint Central |        | Annual Savings |
|--|----------------|---------|------------------------|--------|----------------|
|  | Man hours      | Cost    | Man hours              | Cost*  |                |
| Performing asset scanning, patch management, software deployment, and configurations once in a year  | 114            | \$3990  | 2.63                   | \$1087 | \$2903         |
| Perform Asset scanning once in a quarter, install patches once a month (excluding Microsoft Patches), Install software and configure systems once a year | 284.92         | \$9972  | 2.63                   | \$1087 | \$8885         |
| Perform asset scanning once in a quarter, install patches once a month (including Microsoft Patches), install software and configure systems once a year | 484.84         | \$16969 | 2.63                   | \$1087 | \$15882        |

**\*- includes an additional \$995 towards the annual subscription fee for 100 computers.**

## Bandwidth consumption analysis between Manual and Endpoint Central for MS critical patches:

### Assumption:

- Patch size of 8MB (average).
- Ten patches per system (Data based on the 2012 first quarter).

| Manual Procedure                                   | Endpoint Central  |
|--|---|
| For one system:<br><br><b>8MB*10 patches=80 MB</b> | Once, the patch is downloaded in the server (i.e. <b>80MB</b> file).  |
| For 100 systems:<br><br><b>100*80MB=8GB</b>        | It can be deployed any number of times, without any additional consumption of internet bandwidth.<br><br><b><u>Result:</u></b> Save bandwidth cost up to 100 times. |

## Additional Benefits with Endpoint Central

- Plan and implement power management to desktop power consumption and money.
- Get comprehensive reports to meet your audit requirements anytime.
- Get a complete insight into your Active Directory infrastructure components.
- Schedule running system tools like disk defrag, check disk etc., to improve the system performance.
- Get complete details about actual user logion time with history.