

Implementation of a network printers monitoring system in enterprise "BelieveIT"

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Abstract

Today, companies often think about climate change and cost reduction, so most of their documents are converted from paper to electronic environments, even we are already accustomed to getting bills in our e-mails rather than in mailboxes. Of course, this is a more natural-friendly solution and a more cost-effective solution, we can reduce the cost of delivering printers and mail, but there are some documents that are not implemented electronically, so printers are also stored in large companies, most often configured as network printers through print servers, because using one printer for one employee would not be economically justified at all.

1 Introduction

Printers, though they are not so friendly to nature, are nowhere to be lost. For a daily home user, maybe printers are no longer up to date, but they have been widely used in a variety of firms, and still all documents cannot be digitized. Often printers are not purchased at the same time - same models, manufacturers, types. There may be many and different printers in one company, but it is a headache for servicing personnel, it must be accompanied in some way by parts depreciation and toner use, it is not so problematic if there are no more than ten printers in the company, but if we look at a company with more than a hundred printers at different sites, different models and manufacturers, servicing staff, it is difficult track when, which printer will end and what materials should be purchased in a timely manner.

2 Overview

The aim of this work is to introduce a monitoring system for network printers into the company. By holding on to these tasks:

- Exploration of the existing infrastructure to implement the network monitoring solution
- Explore potential monitoring solutions
- Compare and analyze possible solutions
- Make a cost calculation system for implementation
- adjust the system to the needs of the company and to

the desired purpose

- Introduce the selected monitoring solution

3 Decision

Because BelieveIT has more than two hundred network printers in general, different offices, different manufacturers and models are currently using different programs from printer manufacturers to remotely monitor printer resources, but these programs are not automated and are many for different printers. Our goal is to look at different open source monitoring systems, compare their choices to one of the most responsive and automated solutions, if all the printers can be monitored.

4 Conclusion

The introduction of such a system will lead to costs, but after deployment is expected to improve the timing of incident, the administrator will have a notification from a specific printer about the rapid use of toner, which will give time to order the toner directly in advance, and the administrator will be able to replace it in a timely manner, which means that large purchased material reserves will not be needed and the customer will be satisfied on time. a replacement, in an existing situation, is initiated by the customer and there is a waiting time because the administrator may be in one object, a warehouse in another, and a customer in another.