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Workroom Tracker

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Abstract— This Software based on workroom tracker for employee performance. Computer monitoring is absolutely invisible to the employees and requires very little space resources. With Work Time computer monitoring software you can find various working tasks that will help your company to increase productivity level. The software can be identified which employee working good or bad fully traced. Using python language create Multiple operating system supported this software. The employee use personal they want to inform to administrator which time represent employee at the time not consider working time. This software helpful for the companies to increasing the working level from employee. Without any human resources So corporate can achieve easily their goals. In this system using web services, designed to support interoperable machine-to-human interaction over a network. It has an interface described in a machine-process able format other systems interact with the web service in a manner prescribed by its description using server messages, typically conveyed using python with an NODE serialization in conjunction with other web-related standards. Web services today are frequently just Application Programming Interfaces (API) or web APIs that can be accessed over a network, such as the Internet, and executed on a remote system hosting the requested details.

***Keywords*—** Computer monitoring, software, Application Programming Interfaces , python language.

I. INTRODUCTION

This Software based on workroom tracker for employee performance. Computer monitoring is absolutely invisible to the employees and requires very little space resources. With Work Time computer monitoring software you can find various working tasks that will help your company to increase productivity level.

The software can be identified which employee working good or bad fully traced. Using python language create Multiple operating system supported this software. The employee use personal they want to inform to administrator which time represent employee at the time not consider working time.

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II. EXISTING SYSTEM

This software less performance for the management. Because it's can't view the each employee performance details. The employee can fully access the existing system this not Secure for the management. Employee can cheat the software. This software unbelievable so mostly can't reach to the customer.

During the work employee only can activate the software. Don't have internet connection the software not working because to send the screen report via the internet to server. The employee information directly influences the improvement of market competition abilities for the employee quality. Therefore, effectively applying modern information compared to other industries

At first, three separate physical machines were tested to create a Virtual Server Infrastructure. The first machine was a Pentium D 3.0 GHz, 2GB RAM, with an Abit Motherboard. An attempt to install ESXi server on this machine failed as the hard drive controller was not supported. Due to this problem, Windows Server 2003 was installed on this machine to host the Virtual Center and to create a NFS share.

The second machine was a Pentium 4 2.66 GHz, 2GB RAM, with an Intel Motherboard and the third machine was a dual socket AMD 2.33GHz, 1GB RAM, with an unknown motherboard. Each of the two machines was able to install ESXi server with ease and connect to the shared NFS datastore. When it came time to explore the feature VMotion, there was a major problem, compatibility between processor types. As the preliminary research indicated, the processors in each of the ESXi servers should come from the same family.

If they were not in the same family, they should be tested for compatibility before deployment. Since the one ESXi server had an Intel processor and the other had an AMD, the processor mismatch wasn't even close and there was a need for another solution to better experience the features of VMware's products. Since there were two problems, compatibility for the hard drive controller and a mismatch in processor, VMware Workstation was then utilized to create the entire infrastructure. This solution ended up working extremely well as each of the ESXi servers had the same hardware, thus enabling VMotion compatibility.

Disadvantagesof Existingsystem

1. In Existing system we want to spend more time to identify which employees.
2. In This System the low level process.
3. We faced the problems in service level because the employee can access this software.
4. We have less activity in existing System.
5. Minimum number of employee traced registration.

III. PROPOSED SYSTEM

As the senior project was only one semester long, there was only time to research key items to make server virtualization work. A couple of features, High Availability and Distributed Scheduling of System Resources are two extremely popular features that were not covered in this project. Also, the project portion did not cover anything about the performance and security in virtualizing. High Availability (HA) is a feature from VMware that enables a fault tolerance capability for when an ESXi server goes down. Basically, there is a heartbeat from the Virtual Center Server that monitors the condition of the ESXi servers. When the heartbeat fails, the VMs are able to be migrated automatically to another ESXi server. Unfortunately, this feature was unable to be explored. There were a few problems that require more research because of a couple of problems.

There was a lack of understanding exactly how HA works and how it can be enabled effectively. Also, there is a need to have more ESXi servers so that there are enough resources for the VMs to be transferred evenly between various ESXi servers. Another feature VMware offers is DRS (Distributed Scheduling of System Resources). What this feature can do is automatically calculate which VM should be run on each of the ESXi servers. While an administrator can manually choose which server a VM can run on, the system can make management easier by being able to dynamically adjust where the VMs are run as stress is applied to the ESXiservers.

This would have been a great feature to research but just like the problem with HA, there wasn't enough information on how it actually works and the lack of resources to run multiple ESXi servers. The first part of the paper had research about the performance between Microsoft's product Hyper-V and VMware's product ESXi server. It would be great to be able to replicate the results as well as test in different ways the performance of a virtual environment. For future research, this in itself can be an extremely detailed and effective research by itself.

Security is extremely big in the information age and as detailed in the first part of the paper ,there are many ways to increase security on the system. The main goal for the project portion was to get the system to actually work. In doing so, security was not even though of and the implementation would be much different in the future to follow some of the security guidelines. Overall, this project was an extremely beneficial learning experience.

Although the first part focused on theory, it was beneficial to have a good background to go by in thinking about what kind of project should be done. The project portion only focused on the basics which could be expanded to specific areas in the future.

Advantagesof Proposed System

1. This software Get high speed process without interrupt
2. This software supporting multiple Operating Systems.
3. Software service secure employee can access partially operations in the applications
4. Unlimited number of employee can traced this software all of the get each folder details.

IV. SYSTEM ARCHITECTURE DESIGN

A system architecture or systems architecture is the computational design that defines the structure and/or behaviour of a system. An architecture description is a formal description of a system, organized in a way that supports reasoning about the structural properties of the system. It defines the system components or building blocks and provides a plan from which products can be procured, and systems developed , that will work together to implement the overall system.

V.SYSTEM IMPLEMENTATION

a service-oriented to company management. Tracing of employee performances. While working monitoring employee. One of the most essential metrics in your business is knowing how long every project takes where the time is being spent, and who is spending that time on the project.

In this system we using web services, designed to support interoperable machine-to-human interaction over a network. It has an interface described in a machine-process able format Other systems interact with the web service in a manner prescribed by its description using server messages, typically conveyed using python with an NODE serialization in conjunction with other web-related standards

Web services today are frequently just Application Programming Interfaces (API) or web APIs that can be accessed over a network, such as the Internet, and executed on a remote system hosting the requested details.

A. Login And Authentication

In this module we will give separate login for each employee for authentication purpose. It provides security to the application. If you are already member of this project only you can access the application

B. Screenshot Details

In this module we get the employee details from their system. From the application they get the employee id from admin and they we will get the applications.In this module, they won't change the default process. They will trace their activity information.If they switch on the system. The software automatically get screenshot from the user window .they can't cheat.

C.Maintenance

In this Module System center application get the employee process details from the system application. Application Provide the service to admin center application.

Complaint this module has if suppose the employee makes personal use the system employees send to the mail to admin.

D.Modules

- Administration
- Employee
- Tracker
- Screenshot
- Window Title
- Key and Mouse

Administrarion

Depending upon the technology and methods used, monitoring applications may track all activity or may target specific activities of employees on a company-owned computer. To analyses employee activity during the work time.

Computer monitoring is absolutely invisible to the employees and requires very little system resources. With work time computer monitoring software you can solve various important tasks that will help your company to increase productivity level.

This software specially easy to tracking work from home employee's easy to find out working time.no need to spy, they can achieve their goals easily. This software accumulative for the employee perform.to main reason for that can company achieves hectic growing.

Employee

This module stores relevant employee information. It facilitates employee scheduling and provides a forecast, monitoring in the worker system event. So employee does not violate employee privacy.

If an employee stops the tracking process means at the time the employee is not working.

Employee work from home we can get accurate working time for each employee and surveillance of employee simply sitting. Employers can communicate for regulatory or compliance purposes.

Tracker

Depending upon the technology and methods used, monitoring applications may track all activity or may target specific activities of employees on a company-owned computer. It software especially easy to tracking work from home employee's easy to find out working time. No need to spy. They can achieve their goals easily.

Screenshot

This software screenshots and window title capture all the event randomly following details. Which monitors your computer which screen have a display take the snap .and also take the which window title you used the system randomly.

Window Title

The user has the option of selecting the target window with the mouse (By clicking any mouse button in the desired window) or by specifying its window id on the command line with the id option.

There is also a special root option to quickly obtain information on the screen's root window.

Key And Mouse

This software keystrokes and mouse movement capture all the event randomly following details. Which monitors your computer uptime, the number of keystrokes, bandwidth usage and the number of mouse clicks over a period of time?

User the number of times keys are pressed unlike the other key loggers. It also keeps the detailed history of how much work you've done on your computer.

VI. CONCLUSION

In this system we using web services, designed to support interoperable machine-to-human interaction over a network. It has an interface described in a machine-process able format Other systems interact with the web service in a manner prescribed by its description using server messages, typically conveyed using python with an NODE serialization in conjunction with other web-related standards

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Some of basic functions are

- Register a user.
- Store information with database.
- User can view information as and when required.
- Employee process management easily.

The detail of the account is stored into the database about application process.

VII. FUTURE ENHANCEMENT

This project provides the best solution for employee tracking application. In future, we can enhance this project in java and we can also use other company for the tracking employee as a front end instead of tracking application.

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