

# Virtual Smartphone

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**Abstract:** In our day-to-day life software and smart phone is becoming fundamental part for our work, whatever work we do we need some tool to store our work data in this digital world, use of software and application are increasing rapidly also with it risk of data loss is increasing. The main aim of this research paper is to explain importance of virtual smartphone how it is secure and storage and function are better. Using virtual smartphone, we can perform same operation as similar as smartphone. This research may help user to create knowledge about how the virtual smartphone are use full.

**Keywords-** Importance of virtual smartphone, vsp and how it is secure.

## INTRODUCTION

Virtual Smartphone, like its counterpart desktop virtualization, is a technology that separates operating systems and applications from the client devices that access them. However, while desktop virtualization allows users to remotely access Windows desktops and applications, virtual smartphone offers remote access to mobile operating systems such as Android.

Virtual smartphone encompasses both full operating system virtualization, referred to as virtual mobile infrastructure (VMI), and user and application virtualization, termed mobile app virtualization. Remote mobile virtualization allows a user to remotely control an Android virtual machine (VM) or application. Users can access remotely hosted applications with HTML5-enabled web browsers or thin client applications from a variety of smartphones, tablets and computers, including Apple iOS, Mac OS, Blackberry, Windows Phone, Windows desktop, and Firefox OS devices.

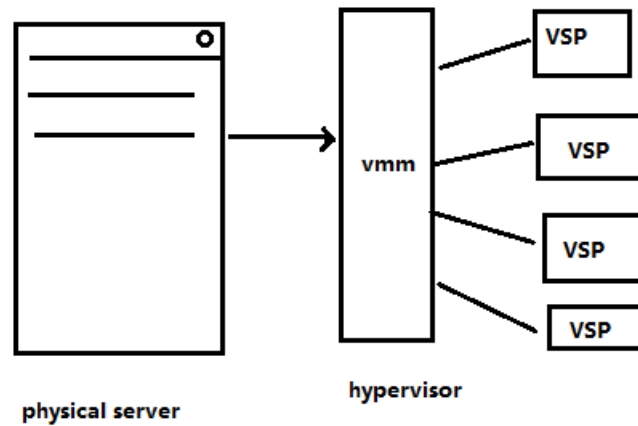
### What is the use of security?

Today's cybercriminals have become more sophisticated, employees handle endless apps, and data has become currency. Enterprises are under pressure to make investments and strategy adjustments using mobile security solutions.

But those aren't just for smartphones and tablets. Laptops, desktops, IoT, and non-standard devices can be managed just like their mobile counterparts. UEM platforms equipped with AI-driven threat intelligence and remediation must drive any endpoint security conversation.

### Why you should use virtual smartphones?

Corporate data breaches are less of a risk during remote working. When you are doing work away from your company's internal network, you may need to access important information. These files need a secure connection for company safety, and many organizations will not allow you to access the data without it. VPN services connect to private servers and use encryption methods to lockdown any risks of data leaks. As the virtual smartphone are created over the server physical machine an it providing Processor, RAM, ROM are provided by host machine. Virtual machine are based on virtualizations as following Dignam show the virtualisation.



**RELATED WORK/ LITERATURE REVIEW**

In this research paper stated that vulnerabilities and loopholes of software and applications plays a major role in cyber-attacks. And VSP provides the security and large data storage. By theory search I found that the research paper is publish they are mostly related with the architecture of virtual smartphone, and most recent paper by Jyotiprakash Nayak, Kawaljit kaur, Rajwant Kaur 2020 related to these topics to improve the image quality.

**OBJECTIVES/ PURPOSE OF THE STUDY**

As we know that the virtual smart phone is physically located some, we ells companies are charging cost for access of this virtual machine to user so that they providing security on other hand The key of smartphone can be forgotten or can be known by an unknown user hence for security purpose user can use his/her hand palm detection, finger print detection, face recognition, secret sign, username and password to open the phone.

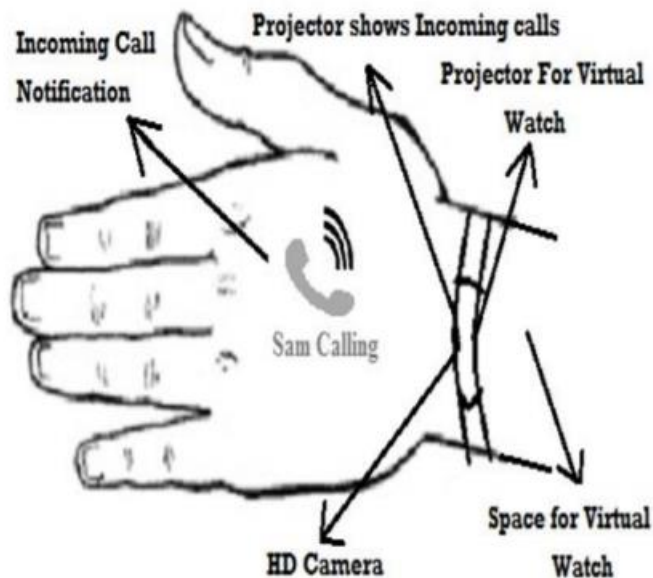
**RESEARCH METHODOLOGY**

We gather data from different type of resources like example Google search, blogging, research paper, news, personal observation related to this research topic and etc. after gathering all this information we put all this information into research paper.

The particle filtering algorithm is used for detecting and tracking hand postures. Skin colour is included for getting better performance. Gesture recognition based Virtual Smart Phone keypad is displayed on hand using Augmented Reality. Through these features user can interact with the projected Graphical User Interface layer by hand gestures. By simply touching on the hand where the icon projected location, the algorithm helps detecting & tracking of hand gesture or finger gestures. So that, the system will interact with human without verbal communication.

To provide a virtual level authentication a security we need to implement the secret sign, username and password to open the phone. Hand palm detection, finger print detection, face recognition we need to implement the biometric sincere in this watch like device. And the virtual smartphone which

Generated on smartphone in that virtual smartphone using smartphone we can authentication are don.



**CONCLUSION**

Security is a massive topic which is becoming more vital day-by-day. The World is becoming highly interconnected with networks. Because the popularization of the internet, people started using devices such virtual smartphones as Mobiles, Computer etc. To protect the virtual smartphones, we can do the authentication by hand palm detection, finger print detection, face recognition, secret sign, username and password to open the phone.

**BIBLIOGRAPHY/ REFERENCES**

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