iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 8 **Issue:** IX **Month of publication:** September 2020

DOI: https://doi.org/10.22214/ijraset.2020.31405

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 8 Issue IX Sep 2020- Available at www.ijraset.com

Data at Risk

Priya Singh[1], Mrs. Nidhi Panghal[2]
[1, 2]*Bharati Vidyapeeth Institute of Management and Information Technology(BVIMIT)*

Abstract: This paper enlightens on spreading awareness among companies on how the data can be so critical and yet so risky if fallen in wrong hands. The paper describes the bug found in a software which can lead to loss of critical data. The software is used for virtual meetings using a unique meeting ID. While testing when I entered a random meeting ID it was found that the ID I entered was once a legitimate Meeting ID. I captured the request in Burp and attacked through intruder by Number's Payload and got the result which could be valid meeting IDs. All the ID's I had got were accepted as valid Meeting ID's which bypassed the console having multiple meetings at various locations. Using one of those valid meeting IDs I was able to successfully enter into the virtual meeting of that company.

I. INTRODUCTION

A virtual meeting allows people and businesses from round the world to attach using video-teleconference software. Virtual meetings use video, audio, and text messaging technology for communication.

A virtual meeting is when people round the world, no matter their location, use video, audio, and text to meet up online. Virtual meetings allow people to share information and data in real-time without being physically located together. Virtual meetings use video-teleconference (VTC) software, such as Microsoft's Skype, Adobe's Connect and Google's Hangouts, to name a few. In this lesson, we will cover how VTCs are employed and what capabilities they bring to people and organizations who wish to use them.

With millions of people around the world working from home in order to slow the spread of the coronavirus, business is booming for video conferencing service. Nowadays, tools providing virtual meeting features are in popularity. Lets see how data can be critical and risky.

II. RESEARCH METHODOLOGY

A. What is Research Methodology?

A Research Method represents the steps involved in performing the research. Details about the methods focus on characterizing and defining them, but also explaining your chosen techniques, and providing a full account on the procedures used for selecting, collecting and analyzing the data.

B. How Data was Collected?

While conducting the research I used a qualitative experimental study method for obtaining qualitative data. The aim of this method is to produce generalizable knowledge about the cause of a phenomenon. I studied the behavior of the system, analyzed its properties and its working and then experimented on it. This approach of finding data is flexible and subjective.

C. How Analysis was Done?

After collecting Data,I analysed it and tried to find faults in the system by testing the application. For this approach Intruder attack tool was used. Using this tool I was able to find the bug in the system.

Choosing the correct research methodology can determine the success and quality of your report. Hence it is essential to get the initial stage of your research right. The approach used for this research provided relevant information, necessary descriptions and explanations.

III. FINDINGS

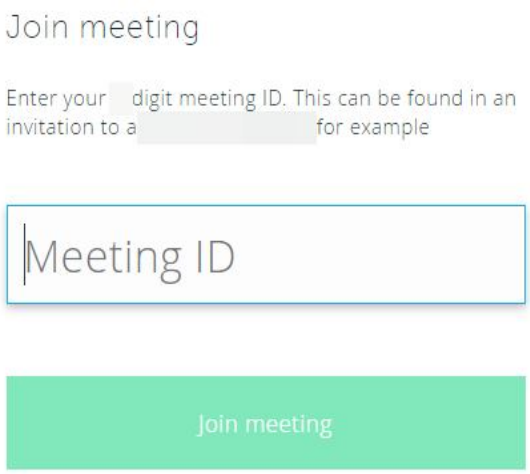
I have been following a company's Private program for quite a while and I report bugs to them frequently.

Personal Meeting ID (PMI) is a dedicated 10 digit number which is assigned to each individual's account. This becomes the users personal virtual room. One of their primary domains is a gateway to connect for corporate meetings by entering a unique Meeting ID which allows users to connect using the Company's software or through a web console.

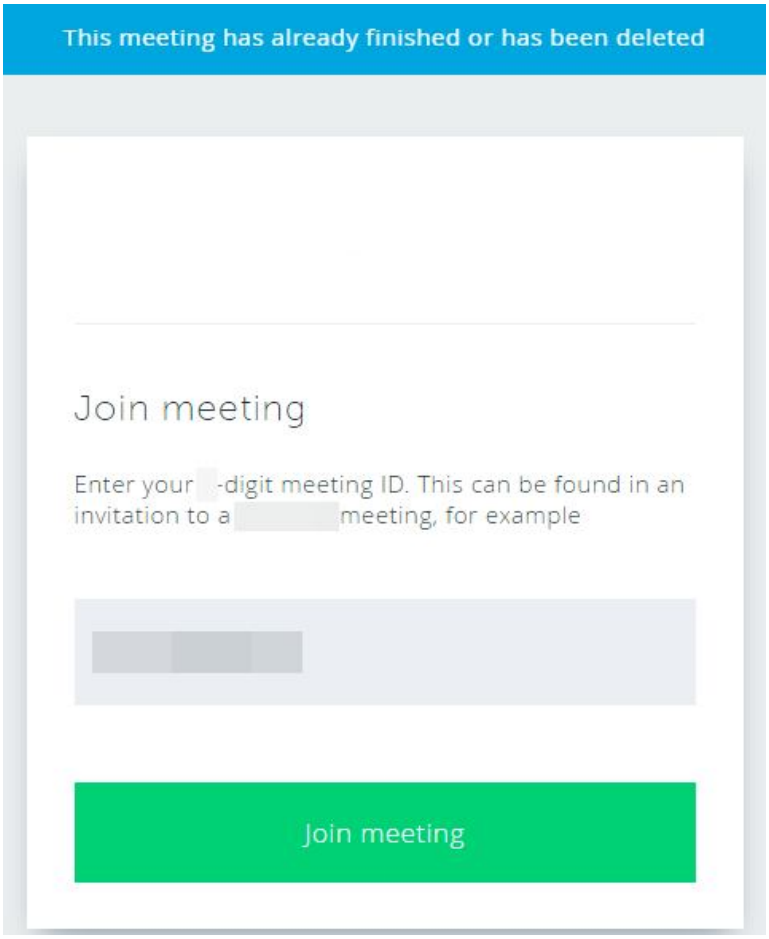
You cannot connect to a meeting unless you have an invite or a valid Meeting ID.

©IJRASET: All Rights are Reserved

ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 8 Issue IX Sep 2020- Available at www.ijraset.com

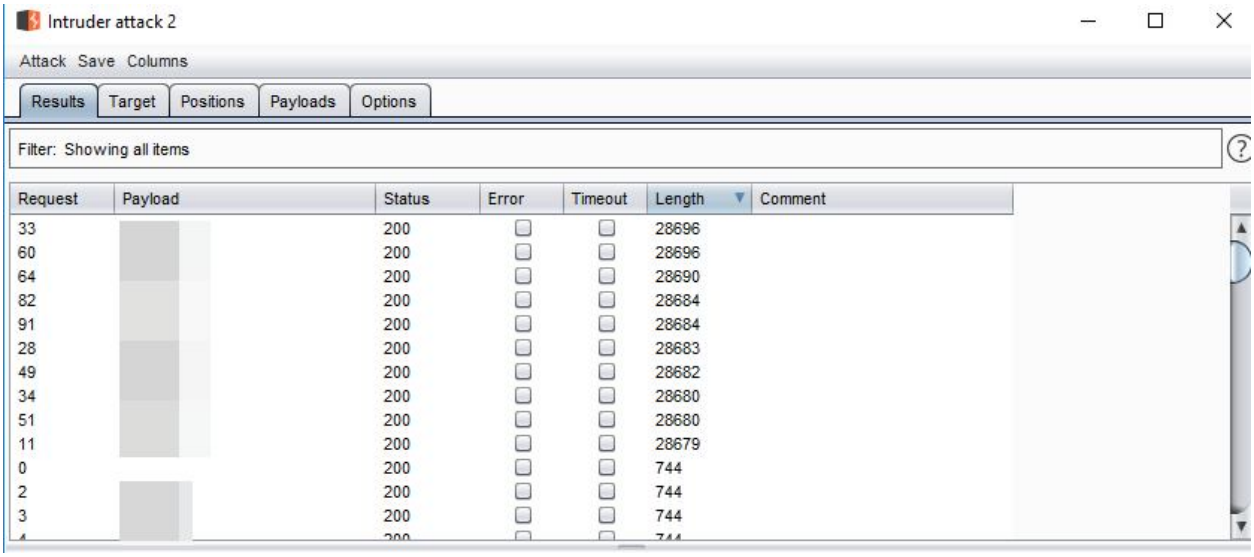


As the console was accepting a singular number of digits to attach a gathering , the primary thing struck my mind was to see Rate limiting and checking out the range of numbers for saving time. Instantly, I fired up Google to dork on the meeting ID's for that company and Guess What ! I was ready to get some ID's through FAQ documents published on the company's sub domain. I entered some ID's randomly which were mentioned in those documents to check the response. This confirmed that the ID I entered was once a legitimate Meeting ID.

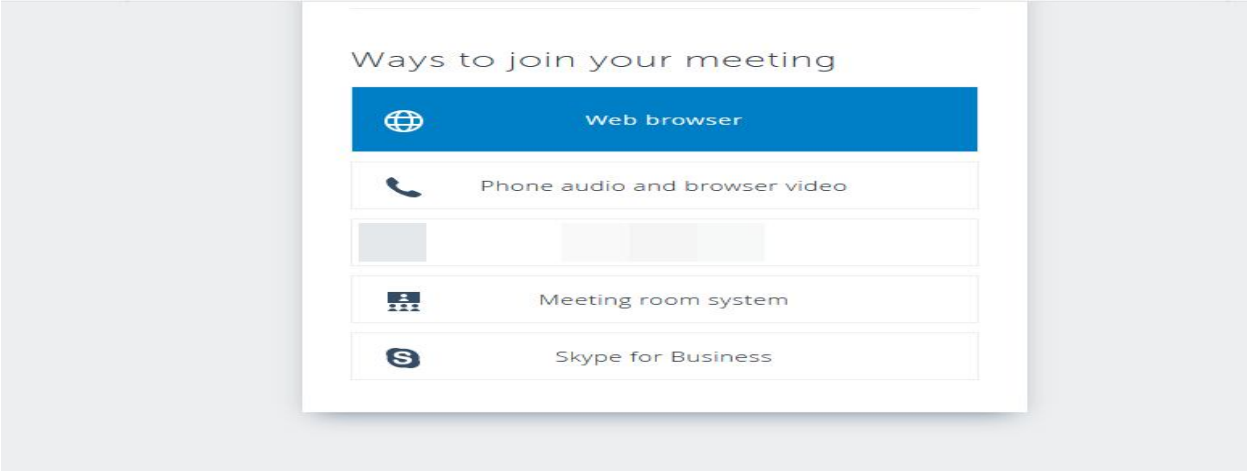


©IJRASET: All Rights are Reserved

After watching the response I assumed a variety of numbers to see if I could get some valid Meeting ID's. I captured the request in Burp and attacked through intruder by Number's Payload. Below is the response I got after the attack was executed. As the length of the ID's changed, I got sure there could be an opportunity of these being valid meeting ID's.



All the ID's I had got were accepted as valid Meeting ID's which bypassed the console having multiple meetings at various locations. This was a critical flaw which could be misused by anyone having wrong intentions which could hamper organizations reputation.



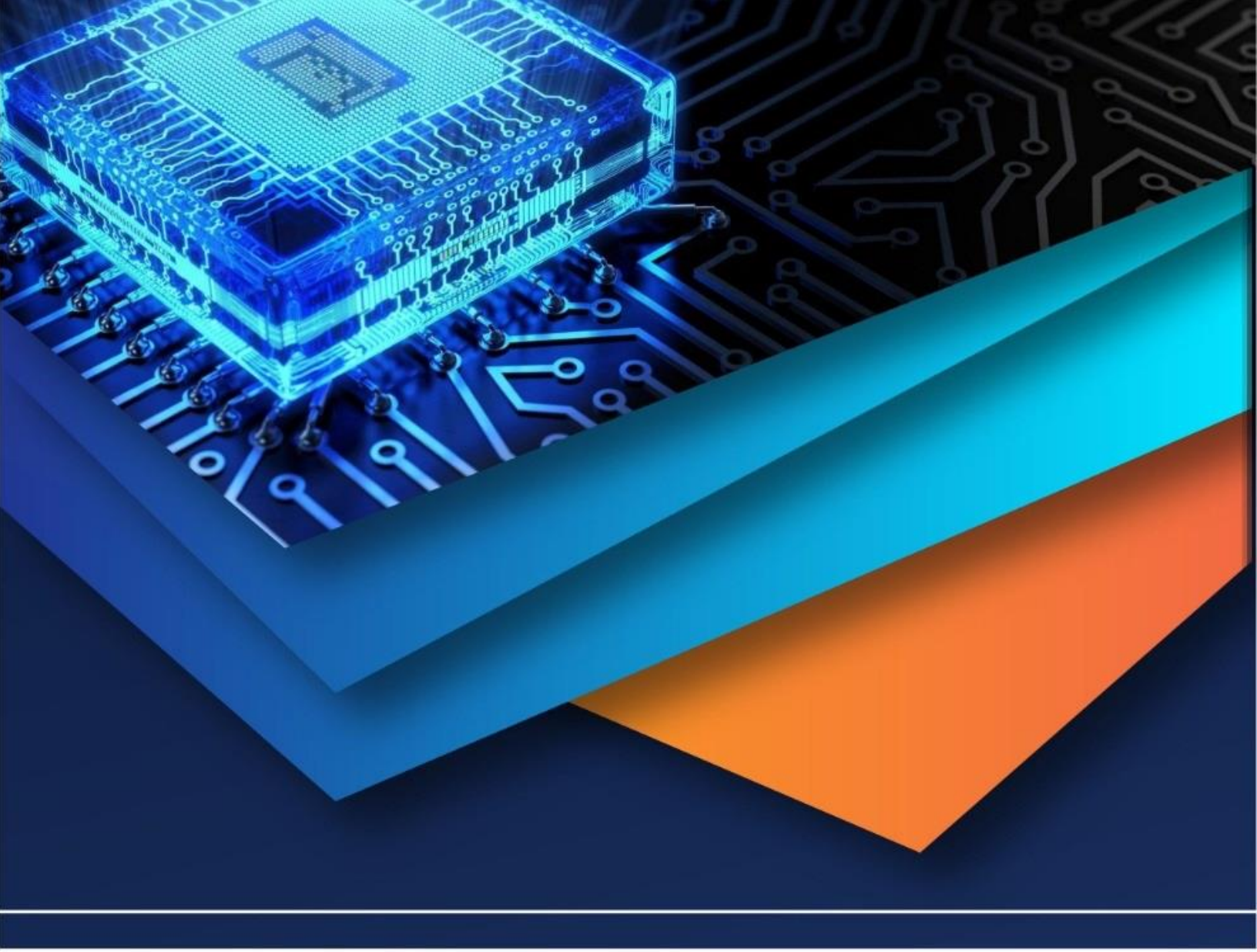
IV. CONCLUSION

These kinds of vulnerabilities should be taken seriously because these may involve critical client data, users data which may be misused in various ways to harm the organization's reputation.
I had reported this bug to the Company and they will fix this bug in their next update.

REFERENCES

[1] https://www.scribbr.com/category/research-paper/
[2] https://writing.wisc.edu/handbook/assignments/planresearchpaper/
[3] https://www.grammarly.com/blog/how-to-write-a-research-paper/
[4] https://ijarcce.com/upload/2015/january/IJARCCE2O.pdf
[5] https://portswigger.net/burp/documentation/desktop/tools/intruder/using

©IJRASET: All Rights are Reserved



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)