Jitsi on OpenBSD

Puffy presents video conferencing

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Abstract—**This paper will cover all bits and bolts to fully understand the components at play, their intercommunications and how this knowledge can be used to create a Jitsi-on-OpenBSD setup that features a restricted (compartmentalized) setup using dedicated machines or -as shown- VMM based VMs, where each VM runs only one of the components.**

It'll be documented what's necessary to create a sensible pf.conf on each VM and how to add reverse proxy (relayd, haproxy) for distribution of workload.

Also covering pitfalls/hints along underlying components and what to lookout for on the client/browser side for interopability.

Index Terms—**Jitsi, OpenBSD, VMM**

I. INTRODUCTION

This document is a model and instructions for LaTeX. Please observe the conference page limits.

II. RIDDLES

A. Jitsi

B. OpenBSD

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III. COMPONENTS

A. OpenBSD

B. Jitsi

IV. ARCHITECTURE

V. COMMUNICATIONS

VI. INSTALLATION

VII. FIREWALLING

A. VMM

B. web/nginx

C. prosody

D. jicofo

E. videobridge

VIII. PROSODY

A. Users

B. TLS

IX. NGINX

A. web

B. misc

X. WEBCLIENT

XI. JICOFO

A. Parameters

B. JVM

XII. VIDEOBRIDGE

A. Parameters

B. JVM

XIII. PITFALLS

A. OpenBSD

B. Jitsi

XIV. STATUS

XV. OUTLOOK

XVI. ACKNOWLEDGMENTS

XVII. AVAILABILITY

This paper, presentation slides and other directly related resources can be found on github: https://github.com/double-p/presentations/AsiaBSDCon/2022/

REFERENCES

[1] OpenBSD project https://www.openbsd.org/
[2] Jitsi https://github.com/jitsi/