

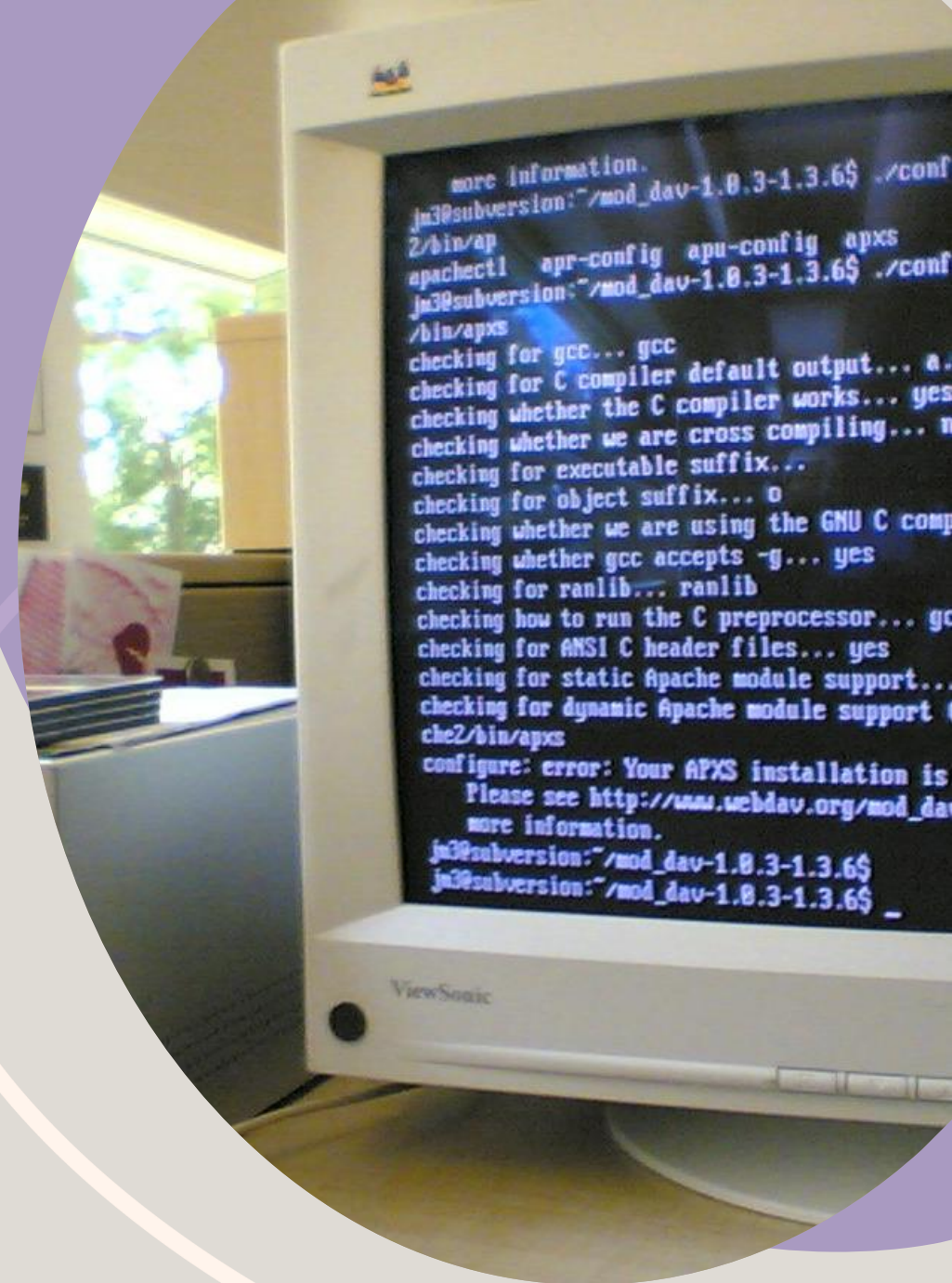


HOSTING A STATIC WEBSITE

AGENDA

- Project description and motivation
- Major technical solutions compared
- Project Demo
- GitHub tour
- Development journey (plan x actual experience)
- Major challenges
- Major accomplishments
- Future plans (for us or someone else taking over)

PROJECT DESCRIPTION AND MOTIVATION





MAJOR SOLUTIONS COMPARED

MAJOR TECHNICAL SOLUTIONS COMPARED

- Oracle Cloud Advantages:
 - Free of charge
 - Easy To understand (at the beginning)
 - Functional Terminal
 - Supports Multiple images and different ways of creating ssh keys at instance creation
- Oracle Cloud Disadvantages:
 - Complex
 - Issues Connecting to the DNS
 - Firewall creation at the beginning made us run into many issues

MAJOR TECHNICAL SOLUTIONS COMPARED

- OVH Cloud Advantages:
 - Easy To understand and use
 - Functional Terminal
 - Supports Multiple linux distributions (more than oracle)
- Oracle Cloud Disadvantages:
 - Not Free/ Cost varies based on what you need
 - Ssh
 - Firewall creation at the beginning made us run into many issue



Project Demo



GitHub tour





Development journey

PLAN VS ACTUAL EXPERIENCE



PLAN

Configure ssh for key based log-in

Set file permissions for the web server

Secure server through firewall

Cron jobs for automatic git pulls to
update the website

Daily backups

Systemd vs CronJobs

ACTUAL EXPERIENCE

Hosted website directly from GitHub into our
DNS to check if all worked well

Run into many issues with OracleCloud since we
pasted our public keys at first that prevented us
from logging in remotely

Once fixed run into many more issues that did
not give us an error message and the ip would
not point to anything .

We figured that the firewall was preventing
proper startup

We switched to a new VPS OVH cloud

Trouble at first due to school wifi



Major challenges

CHALLENGES

- 1.Nginx vs Apache
- 2.CronJob vs Systemd
- 3.Vps and dns
- 4.Firewall
- 5.Configuration
- 6.SSH Connection Failure
- 7.DNs not pointing to the address



Future plans



THANK YOU!

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