

# Phrases 4

- **networked** machines ?????
- Each has **its own strengths** and **weaknesses** ?????
- we've chosen to **focus on** Puppet because it's the **current industry standard** for configuration management ????? Puppet ??????????????????
- **manually scaling** the application to **keep up with** demand is becoming **cumbersome** ??????????????????
- You want to create a product that **is free of** errors and bugs ?????bug???
- What is latency **in terms of** Cloud storage ?????????????
- If you're **looking to** share data across instances ?????????????
- This approach to scaling isn't **too different from** what you'd need to do if you **have** your servers **running on-premise** ?????????????????????????????????
- **Say** your web service is using Apache to **serve** web pages ??????????? Apache ?????
- To **scale** a deployment **horizontally (vertically)** ????(??)????
- Our **capacity needs** can change **over time** ?????????????
- you could choose to **host** the database in your own hardware ?????????????
- figure out what's going on when a program **doesn't behave as expected**. ?????????????
- **Besides serving as** a repository for your code and **tracking changes** to your code over time, ?????????????????????????????????
- Install the Git CLI **according to** your operating system ??????????? Git CLI
- **Go through** /var/log/syslog and check if there are any critical errors that need attention ?? /var/log/syslog ?????????????
- All comments resolved, please **take another look** ?????????????
- if you've written **a piece of** code ??????????
- **refactor** our code ?????
- assuring the data's **integrity** and **authenticity** ?????????????
- you can create a **separate** branch to **do your work without worrying** about **messing up** this current working state. ?????????????????????????????????
- try **something new** in your project ??????????
- Version control is a feature of a software management system that **records changes** to files **over time** so that you can **recall specific versions** later ?????????????????????????????????????????????????????????
- Git can **work as a standalone program** as a server and as a client Git ?????????????
- included **a duplicated entry** causing the server to **misbehave**. ?????????????????
- As we **called that** earlier ??????????
- It also lets us easily **revert** a change ??????????
- **Practical Application** of diff and patch diff ? patch?????
- Take your time and review any content that's **not completely clear**. ?????????????

- some of these topics and videos are **a little complex**, so they might not 100% sink in the **first time around** ??????????????????????????????
- **Establish** a relationship with a professional who might be able to help you in your **current job search** and be a part of your **professional network** moving forward. ?????????????????????????????????????????????????????????
- Enter the values for the year, month, and day **respectively** as the prompt appears ??????????????????
- **establishing** test environments, monitoring ??????, ??
- Getting started with Docker can feel **overwhelming** ????; ?????
- One key strategy is **to make good use of** monitoring. ??????????????
- whenever we're faced with an issue, it's usually best to find a quick **workaround**. So that those **affected** can **get back to work** as soon as possible ?????????????????????????????????????????????????????????
- **Planning ahead** will **prepare you for** when you need additional resources, instead of having to scramble for them **at the last minute** ??????????????????????????????????????????????????????
- help you avoid **getting stuck** on a lot of these **situations** ??????????????????
- **Emergencies** and **unexpected events** will **arise**—they always do ??????????????????????????????
- give them **timely** updates ??????????
- instead of **getting interrupted** in the **middle** of a task ??????????????
- It's important to communicate **upfront** to the user ??????????????
- **give them an idea of** when they can **expect their issue to be fixed** so they can plan what to do next ??????(?)????????????????????????????????
- make sure you tell the user that you're dealing with **a crisis** and that you'll help with their **request** once the crisis is resolved ?????????????????????????????????????????????????????????
- fixing the database is critical and affects the **whole company**, so it **should take priority** ???????
- a user calls you to **request access** to a shared resource, but you're **in the middle of dealing with** an issue that's **causing** the company's database **to be offline** ?????? Call ??????????, ?????????????????????????????????
- you have to replace a keyboard but you **have no spares available** ???????
- it's important to understand these **implicit expectations** and let users know if **fixing** the problem will **take longer than** they expect ?????????????????????????????????????????????????????????
- When you're **dealing with** an issue that's **affecting** one or more users, ??????????????????????????????
- select which task you're going to deal with depending on **urgency** ??????????????????
- **make a list** of all of the tasks that need to **get done** ??????????????????
- you might need to write **your own** script that **gets rid of** them ??(??)??
- it might be **easily fixed** by **uninstalling applications** that aren't used, or **cleaning up** old data that isn't needed **anymore**.
- It's common for the **overall performance** of the system **to decrease** as the available disk space **gets smaller** ?????????????????????????????????????????
- We saw how **reducing scope** and **isolating problems** can lead us to **the root cause** of programs that are **running slowly** or **crushing unexpectedly** ??????????
- how to **identify** what process or application is **taking up** all your disk space ??
- You **hadn't written** the software and **didn't have access to** the source code. ??????????????????????????????

- you were an **IT professional** who's **in charge of** the **deployment** and **maintenance** of software in your company ???? IT ??????????????????
- raise an error; throw(threw) an error ????
  - another thing that could cause the open function to **raise** an error
  - the interpreter **threw** one of these errors
  - when you can't modify the program that's **throwing** errors
- Logs on both servers **show** an **increase in** CPU and RAM usage. What may be **the most effective way** to resolve this issue with **a complex set of servers**? ????????????? CPU ? RAM ?????????????????????????????????
- The website is **hosted by** two load balancing servers in the cloud **and are connected** to an external SQL database. ????????????????????????????????? SQL ???
- During **peak hours**, users have reported issues connecting to a website. ??(?)????????????????????????????
- we can **prepare** if **something similar happens** in the future ??????????????????????
- Third-party service providers may **go down**, an update may **not perform as expected**, or a server may **experience a hacking attack** ?????????????????????????????????????????

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