Cloud 101 Tutorials

Complete each section with activity

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# 1: Dora

**Required Knowledge:**Read sections  
<https://www.devops-research.com/research.html>

**Activities:** *<Ps know this is a dry activity but it’s actually gold information>*  
  
1) Go through each of 13 capabilities of the Technical section, read up on the implementation/pitfalls /improvement each capability has  
 <https://www.devops-research.com/research.html#c-technical>   
  
a.k.a for version control

<https://cloud.google.com/architecture/devops/devops-tech-version-control>

Common pitfalls in version control

* limited application or use; applying version control only to software application code.
* Best practice requires the ability to reproduce all testing and production environments
* Use VCS in a fully automated fashion by using scripts, source code, and configuration

Ways to improve version control

* Ensure that every commit to version control triggers the automated creation
* Packages deployed using only information in version control
* Create production-like test environments on demand using version control
* Create packages using automated processes
* add capacity or recover from disasters in a fully automated fashion from VCS

# 2: Dora old project check-up

**Required Knowledge:**Read download and read 2022 State of DevOps Report (requires signup)  
<https://cloud.google.com/devops/state-of-devops>

**Activities:**  
  
1) Think up an old software project from the past  
(or if you can’t grab a colleague and use one of their non-RiverSafe projects)

2) Run the dora check list against the project

<https://www.devops-research.com/quickcheck.html>

3) Reflect on results

# 3: Dora Programming Project check-up

**Required Knowledge:***none*

**Activities:**  
  
1) Think back to your Programming topic exercise

2) Run the dora check list against the project

<https://www.devops-research.com/quickcheck.html>

3) Reflect on results