



Level 1

EPAM DEVOPS ONLINE LAB

Bash.

Exit tasks

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TASKS

1. Bash

Company ABC has uncontrolled process of employee's accounts creation. Currently process means adding names, email and other personal data manually to the `accounts.csv` file without any rules.

Department head has decided to improve it based on the naming convention implementation. Good idea for newcomers, but what to do with current user's list? You have been asked to help. Could you please develop automated way (bash script) and create new `accounts_new.csv` file based on current `accounts.csv` and below.

- 1) Need to update column `name`.
Name format: first letter of name/surname uppercase and all other letters lowercase. Example: *Susan Houston*.
- 2) Need to update column `email` with domain `@abc`.
Email format: first letter from name and full surname, lowercase. Example: *shouston@abc.com*.
Emails with the same ID should contain numbers. Example: Name *Sean Houston*, email *shouston1@abc.com* etc.

Definition of done.

Developed bash script which automatically creates `accounts_new.csv` and updates columns `name` and `email` based on the rules above.

2. Task 2. Linux + Bash

Company ABC is planning to evaluate "Zabbix" as a replacement of the current monitoring system. You have been asked to help. Could you please prepare proof-of-concept with 2 VMs – 1 for server and 1 for agent. Please use official documentation and guide -

https://www.zabbix.com/documentation/4.4/manual/installation/install_from_packages/rhel_centos

Definition of done.

- 1) 2 Linux (centos7) VMs are up and running
- 2) First bash script should automatically install and configure Zabbix server on the 1 VM, second bash script should automatically install agent on the 2 VM
- 3) VM 2 added to the Zabbix server manually with attached linux template
(<https://www.zabbix.com/documentation/4.2/manual/config/hosts/host>)
- 4) Latest data confirms you are receiving Linux metrics data.
(https://www.zabbix.com/documentation/4.2/manual/web_interface/frontend_sections/monitoring/latest_data)