hdardari(https://projects.intra.42.fr/scale_teams/1994723/edit#)

(https://profile.intra.42.fr/)

(https://profile.intra.42.fr/searches)

SCALE FOR PROJECT INIT (HTTPS://PROJECTS.INTRA.42.FR/PROJECTS/INIT)

You should evaluate 1 student in this team

Git repository

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Introduction

Please respect the following rules:

- Remain polite, courteous, respectful and constructive throughout the evaluation process. The well-being of the community depends on it.
- Identify with the person (or the group) graded the eventual dysfunctions of the work. Take the time to discuss and debate the problems you have identified.
- You must consider that there might be some difference in how your peers might have understood the project's instructions and the scope of its functionalities. Always keep an open mind and grade him/her as honestly as possible. The pedagogy is valid only if the peer-evaluation is conducted seriously.

Guidelines

- Only grade the work that is in the student or group's GiT repository.
- Double-check that the GiT repository belongs to the student or the group. Ensure that the work is for the relevant project and also check that "git clone" is used in an empty folder.
- Check carefully that no malicious aliases was used to fool you and make you evaluate something other than the content of the official repository.
- To avoid any surprises, carefully check that both the evaluator and the evaluated students have reviewed the possible scripts used to facilitate the grading.
- If the evaluated student has not completed that particular project yet, it is mandatory for this student to read the entire subject prior to starting the defence.
- Use the flags available on this scale to signal an empty repository, non-functioning program, a norm error, cheating etc. In these cases, the grading is over and the final grade is 0 (or -42 in case of cheating). However, with the exception of cheating, you are

encouraged to continue to discuss your work (even if you have not finished it) in order to identify any issues that may have caused this failure and avoid repeating the same mistake in the future.

Attachments	
□ Sujet (https://cdn.intra.42.fr/pdf/pdf/1381/init.fr.pdf)	
□ Subject (https://cdn.intra.42.fr/pdf/pdf/1308/init.uk.pdf)	
□ Subject (https://cdn.intra.42.fr/pdf/pdf/1281/init.en.pdf)	
Part 1 - Network \ë(æ(ðða äÅg(çèH De Äð äçÜ	
Get the list of the network interfaces of the machine without disp	olaying any detail
Check that the answer file contains the command which lists the names of the interfaces of the machine and no other information.	
For instance: \$>`cat 01` lo0 gif0 stf0 en0 en1 en2 en3 p2p0 awdl0 bridge0 \$>	
□ Yes	□No
Identify and display the Ethernet interface characteristics	
Check that the answer file contains the command which identifies and displays the broadcast address AND all IP adresses which are part of the same subnet.	
□ Yes	□No
Identify the MAC address of the Wi-Fi card	
Check that the answer file contains the command which identifies and diplays the MAC address of the wi-fi board.	
For instance: \$>`cat 03` xxn: flags=XXXX ether 00:00:00:00:00:00 \$>	
□ Yes	□ No
Identify the default gateway in the routing table	
Check that the answer file contains the command which	

identifies and displays the default gateway in the routing table. For instance:

	□ Yes	□No
dentify the IP addres	s of the DNS server which	answers to slash16.org
	contains the command which IP address of the DNS server.	
For instance: \$>`cat 05`		
Server: 10.51.1.42		
Address: 10.51.1.42		
Non-authoritative answer: Name:slash16.org	:	
Address: 195.154.52.157 Name:slash16.org		
Address: 195.154.52.158 \$>		
•		
	□ Yes	□ No
Check that the answer file which the IP address of th \$>cat 06	n of the file that contains the contains the complete path of the used DNS server is written.	ne IP address of the DNS server you're using the file in
Check that the answer file which the IP address of th \$>cat 06 /etc/resolv.conf	contains the complete path of	
Check that the answer file which the IP address of th \$>cat 06 /etc/resolv.conf	contains the complete path of	
Check that the answer file which the IP address of th \$>cat 06 /etc/resolv.conf \$>	e contains the complete path of the used DNS server is written.	the file in
Check that the answer file which the IP address of th \$>cat 06 /etc/resolv.conf \$> Query an external DN Check that the answer file	e contains the complete path of the used DNS server is written.	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of the S>cat 06 /etc/resolv.conf S>	contains the complete path of se used DNS server is written. Yes Server on the same done contains the command which	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of th \$>cat 06 /etc/resolv.conf \$> Query an external DN Check that the answer file	contains the complete path of se used DNS server is written. Yes Server on the same done contains the command which	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of the S>cat 06 /etc/resolv.conf S> Query an external DN Check that the answer file use another DNS server to For instance: S>`cat 07`	contains the complete path of se used DNS server is written. Yes Server on the same done contains the command which	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of the \$>cat 06 /etc/resolv.conf \$> Query an external DN Check that the answer file use another DNS server to For instance: \$>`cat 07` Server:8.8.8.8	contains the complete path of se used DNS server is written. Yes Server on the same done contains the command which	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of the S>cat 06 /etc/resolv.conf S> Query an external DN Check that the answer file use another DNS server to server:8.8.8.8 Address:8.8.8.8 Non-authoritative answer:Name:slash16.org	e contains the complete path of the used DNS server is written. Yes Server on the same done to contains the command which to solve the same domain name	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of the \$>cat 06 /etc/resolv.conf \$> Query an external DN Check that the answer file use another DNS server to the server: 8.8.8.8 Address: 8.8.8.8 Non-authoritative answer: Name:slash16.org Address: 195.154.52.157 Name:slash16.org	contains the complete path of the used DNS server is written. Yes Server on the same done contains the command which to solve the same domain name	the file in □ No nain name (ex, google 8.8.8.8)
Check that the answer file which the IP address of the S>cat 06 /etc/resolv.conf S> Query an external DN Check that the answer file use another DNS server to server:8.8.8.8 Address:8.8.8.8 Non-authoritative answer:Name:slash16.org Address: 195.154.52.157	contains the complete path of the used DNS server is written. Yes Server on the same done contains the command which to solve the same domain name	the file in □ No nain name (ex, google 8.8.8.8)

	□ Yes	□No
Find the external I	P of 42.fr	
	w you his approach and explain it	
	□ Yes	□ No
Identify the netwo	rk devices between your con	puter and the slash16.org domain
	r file contains the command which	
	the different network devices between	veen
your computer and slo For instance:	ash 16.org.	
\$>`cat 10`		
	org (195.154.52.158), 64 hops mo	ıx, 52 byte packets
	5.809 ms 6.087 ms 3.124 ms 2.1.254) 6.005 ms 13.668 ms 7.03	7 ms
	.11) 7.530 ms 3.379 ms 9.966 ms	
	35.1) 7.100 ms 7.587 ms 5.160 ms	
	.154.1.174) 57.350 ms 168.093 ms	
	.poneytelecom.eu (195.154.1.106 .154.1.179) 4.077 ms 46.904 ms 3	
	195.154.52.158) 5.699 ms 6.034	
o pub-i.siasii io.oig (1/3.134.32.130/ 3.0// 1118 0.034	TIS 7.032 MS
\$>	173.134.32.136) 3.077 IIIs 0.034	ns 7.032 ms
•	□ Yes	ns 7.032 ms □ No
\$>	□ Yes	□No
\$>	□ Yes	□ No
\$> Use the output of t makes the link bet	□ Yes	□ No
S> Use the output of t makes the link bet	□ Yes the previous command to find tween you (local network) an	□ No
\$> Use the output of t makes the link bet Check that student's a	□ Yes The previous command to find Tween you (local network) an Inswer in the file is the NAT server.	□ No I the name and the IP address of the device that device that device the device that device world.
Use the output of t makes the link bet Check that student's a Find the IP that wa Check that the answer host's IP	□ Yes The previous command to find tween you (local network) and the file is the NAT server. □ Yes	□ No I the name and the IP address of the device that device that device the device that device the outside world.
Use the output of t makes the link bet Check that student's a	□ Yes the previous command to find tween you (local network) and the file is the NAT server. □ Yes as assigned to you by dhcp se	□ No I the name and the IP address of the device that the outside world. □ No
Use the output of t makes the link bet Check that student's a Find the IP that wa Check that the answer	□ Yes the previous command to find tween you (local network) and the file is the NAT server. □ Yes as assigned to you by dhcp se	□ No I the name and the IP address of the device that device that device the device that device the outside world.
Use the output of to makes the link bet Check that student's a Check that the answer most's IP For instance: \$>`cat 12` 64 bytes from 10.51.1	□ Yes the previous command to find tween you (local network) and the file is the NAT server. □ Yes as assigned to you by dhcp se	□ No I the name and the IP address of the device that d the outside world. □ No □ No □ No □ Structure display the student

file: ///Users/msoulaim/Desktop/corr/Intra%20 Projects%20 init%20 Edit.htm

Check that student's answer in the file is student host name.	
□ Yes	□ No
What file contains the local DNS entries?	
Check that student's answer in the file is /etc/hosts.	
□ Yes	□No
Make the intra.42.fr address reroute to 46.19.122.85	
Ask the student to show you his approach and explain it. Check that student's answer in the file is '46.19.122.85 intra.42.fr'.	
□ Yes	□ No
Part 2 - System A di ce de	
Check that student's answer in the file is /etc/debian_version.	
□ Yes	□No
What command can you use to rename your system?	
Check that the answer file contains the command which rename the system.	
For instance: \$>`cat 02` machine.old.name.local	
\$>	
□ Yes	□ No
What file has to be modified to make it permanent?	
Check that student's answer in the file is /etc/hostname.	
□ Yes	□No
What command gives your system was last booted?	
Check that the answer file contains the command which gives the time since the last boot of the system. For instance:	

```
$>`cat 04`
17:44 up 1 day, 6:45, 4 users, load averages: 1.33 1.42 1.40
                          □ Yes
                                                                            □ No
Name the command that determines the state of the SSH service?
Check that the answer file contains the command which
determines the state of the SSH service.
For instance with init.d:
$>`cat 05`
openssh-daemon (pid 22405) is running...
$>
Or with service:
$> `cat 05`
• ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/lib/systemd/system/ssh.service; enabled)
Active: active (running) since Fri 2016-12-02 18:42:05 CET; 1 months 0 days ago
Main PID: 13106 (sshd)
CGroup: /system.slice/ssh.service
— 2461 ssh-agent -s
-13106 /usr/sbin/sshd -D
-27517 sshd: skyline [priv]
-27519 sshd: skyline@pts/0
├---27520 -zsh
-27561 sudo su
--27562 su
--27563 zsh
27589 systematl status sshd.service
$>
                          □ Yes
                                                                            □ No
Name the command that reboots it.
Check that the answer file contains the command which
reboot the SSH service. For instance with init.d:
$> `cat 06`
Stopping sshd: [OK]
Starting sshd: [OK]
$>
Or with service:
$> `cat 06`
$> service sshd status
• ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/lib/systemd/system/ssh.service; enabled)
Active: active (running) since Fri 2016-12-02 18:42:05 CET; 10s ago
Main PID: 13106 (sshd)
CGroup: /system.slice/ssh.service
- 2461 ssh-agent -s
13106 /usr/sbin/sshd -D
-27517 sshd: skyline [priv]
```

—27519 sshd: skyline@pts/0	
─_27520 -zsh	
—27561 sudo su	
├—27562 su	
├—27563 zsh	
27589 systematl status sshd.service	
\$>	
The displayed time in Active has to be in seconds because of the reboot	of sshd.
□ Yes	□No
Figure out the PID of the SSHD service	
Check that the answer file contains the command which figure out the PID of the ssh service. For instance:	
\$>`cat 07`	
root 22405 0.0 0.0 66224 1184 ? Ss 17:46 0:00 /usr/sbin/sshd \$>	
□ Yes	□ No
What file contains the RSA keys authorized to connect via SS	SH?
Check that student's answer in the file is .ssh/authorized_keys	
□ Yes	□ No
What command lets you know who is connected to the Syste	em?
Check that the answer file contains the command which lets you know who is connected to the system. For instance:	
\$>`cat 09`	
skyline console Mar 23 10:59	
skyline tys000 Mar 24 17:04	
\$>	
□ Yes	□ No
Name the command that lists the partition tables of drives?	
Check that the answer file contains the command which lists the partition tables of drives. For instance:	
\$>`cat 10`	
Disk /dev/sdb: 2000.4 GB, 2000398934016 bytes	
255 heads, 63 sectors/track, 243201 cylinders	
Units = cylinders of 16065 * 512 = 8225280 bytes	
Sector size (logical/physical): 512 bytes / 512 bytes	
I/O size (minimum/optimal): 512 bytes / 512 bytes Disk identifier: 0x00000000	
\$>	
□ Yes	□No

Name the command that displays the available the space left and used on the system in an humanly understandable way

Check that the answer file contains the command which displays the available space left and used on the system in an humanly understandable way. For instance:

\$>`cat 11`
Filesystem Size Used Avail Use% Mounted on /dev/xvda2 7.8G 1.2G 6.3G 16% / udev 10M 0 10M 0% /dev
tmpfs 200M 4.2M 196M 3% /run
tmpfs 500M 0 500M 0% /dev/shm
tmpfs 5.0M 0 5.0M 0% /run/lock
tmpfs 500M 0 500M 0% /sys/fs/cgroup
\$>

☐ Yes

□ No

Figure out the exact size of each folder of /var in a humanly understandable way followed by the path of it.

Check that the answer file contains the command which displays the exact size of each folders of /var in a humanly understandable way followed by the path of it. For instance:

\$>`cat 12`
4.0K /var/opt
864K /var/spool
1.3M /var/log
111M /var/lib
124M /var/cache
4.0K /var/local
8.0K /var/mail
1.1M /var/backups
4.0K /var/tmp
238M /var
\$>

☐ Yes

□ No

Name the command that find, in real time, currently running processes

Check that the answer file contains the command which displays running processes in real time.

For instance:

\$>`cat 13`

Tasks: 58 total, 1 running, 57 sleeping, 0 stopped, 0 zombie

%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni,100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st KiB Mem: 1022952 total, 359176 used, 663776 free, 168200 buffers

KiB Swap: 0 total, 0 used, 0 free. 86924 cached Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

1 root 20 0 28740 4760 3064 S 0.0 0.5 0:03.28 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

Check that the answer file contains the command which runs the command 'tail-f-/var/log/syslog' in background for instance: \$\int_{\text{instance}}^{\text{cat}} 14' [1] 2660 Mar 25 06:25:03 rsyslogd: [origin software="rsyslogd" swVersion="8.4.2" xpid="330" x- info="http://www.rsyslog.com"] rsyslogd was HUPed Mar 25 07:17:01 CRON[2601]: (root) CMD (cd / && run-parts -report /etc/cron.hourly) Mar 25 08:17:01 CRON[2656]: (root) CMD (cd / && run-parts -report /etc/cron.hourly) \$\int_{\text{S}}^{\text{cat}} = \frac{1}{2} \text{Ves}		0 0.0 0:00.02 ksoftirqd/0 0 0.0 0:00.00 kworker/0:0H	
S>`cat 14` [1] 2660 Mar 25 07:503 rsyslogd: [origin software="rsyslogd" swVersion="8.4.2" x-pid="330" x-info="http://www.rsyslog.com" rsyslogd was HUPed Mar 25 07:101 CRON[2601] [root] CMD (cd / && run-parts -report /etc/cron.hourly) Mar 25 08:17:01 CRON[2656]: [root] CMD (cd / && run-parts -report /etc/cron.hourly) S>` Yes		□ Yes	□No
Find the command that kills the background command's process Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM.	Run the tail -f /var/	log/syslog command in back	ground
Find the command that kills the background command's process Check that the answer file contains the command which kills the process of the tail of /var/log/syslog command. For instance: \$>`cat 15` [1]+ Terminated tail of /var/log/syslog \$>			d
Mar 25 07:17:01 CRON[2601]: (root) CMD (cd / && run-parts -report /etc/cron.hourly) Mar 25 08:17:01 CRON[2656]: (root) CMD (cd / && run-parts -report /etc/cron.hourly) \$>	[1] 2660 Mar 25 06:25:03 rsysl		wVersion="8.4.2" x-pid="330" x-
Find the command that kills the background command's process Check that the answer file contains the command which kills the process of the tail -f /var/log/syslog command. For instance: \$>'cat 15' [1]+ Terminated tail -f /var/log/syslog \$>	Mar 25 07:17:01 CRO	N[2601]: (root) CMD (cd / && ru	· · · · · · · · · · · · · · · · · · ·
Find the service which makes it possible to run specific tasks following a regular schedule Check that student's answer in the file is cron. Yes No Find the command that allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Yes No Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.		□ Yes	□No
kills the process of the tail-f-/var/log/syslog command. For instance: \$>`cat 15` [1]+ Terminated tail-f-/var/log/syslog \$>	Find the command t	hat kills the background con	nmand's process
Find the service which makes it possible to run specific tasks following a regular schedule Check that student's answer in the file is cron. Yes	kills the process of the t For instance: \$>`cat 15`	ail -f /var/log/syslog command.	
Find the service which makes it possible to run specific tasks following a regular schedule Check that student's answer in the file is cron. Yes No Find the command that allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Yes No Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.	\$>		
Find the command that allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Pes Po No Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.		□ Yes	□ No
Find the command that allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. Yes No Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.	Find the service wh	ich makes it possible to run s	pecific tasks following a regular schedule
Find the command that allows you to connect via ssh on the VM. Check that the answer file contains the command which allows you to connect via ssh on the VM. PYes No Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.	Check that student's an	swer in the file is cron.	
Check that the answer file contains the command which allows you to connect via ssh on the VM. — Yes — No Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.		□Yes	□ No
Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.	Find the command t	hat allows you to connect vio	a ssh on the VM.
Find the command that kills ssh service Check that the answer file contains the command which kill ssh service.		file contains the command which a	Illows you tu connect
Check that the answer file contains the command which kill ssh service.		□Yes	□ No
kill ssh service.	Find the command t	hat kills ssh service	
□ Yes □ No		file contains the command which	
		□ Yes	□ No

List all services which are started at boot time and n	ame this kind of services
Check that the answer file contains the List all services which a at boot time and name this kind of services (daemon) For instance: abrt-ccpp 0:off 1:off 2:off 3:on 4:off 5:on 6:off abrt-cops 0:off 1:off 2:off 3:on 4:off 5:on 6:off	re started
□ Yes	□ No
List all existing users on the VM	
Check that the answer file contains the List all existing users on	the VM
□Yes	□ No
List all real users on the VM	
Check that the answer file contains the list all real users on the and not system users	VM
□Yes	□ No
Find the command that add a new local user	
Check that the answer file contains the command that add a n	ew local user
□Yes	□ No
Explain how connect yourself as new user	
Check that the answer file containe contain how to connect yo new user on the VM on ssh session (command etc.) AND on g	
□Yes	□ No
Find the command that list all packages	
Check that the answer file contain the command that list all inspackages	talled
□ Yes	□No

Part 3 - Scripting

Write a script which displays only the login, UID and Path of each entry of the /etc/passwd file

Check that the script displays only the login, UID and Path of each entry of the /etc/passwd file.

ror instance:	
\$>sh 1	
root:0:/bin/bash	
daemon: 1:/usr/sbin/nologin	
bin:2:/usr/sbin/nologin	
sys:3:/usr/sbin/nologin	
sync:4:/bin/sync	
games:5:/usr/sbin/nologin	
man:6:/usr/sbin/nologin	
lp:7:/usr/sbin/nologin	
mail:8:/usr/sbin/nologin	
news:9:/usr/sbin/nologin	
uucp: 10:/usr/sbin/nologin	
proxy:13:/usr/sbin/nologin	
www-data:33:/usr/sbin/nologin	
backup:34:/usr/sbin/nologin	
list:38:/usr/sbin/nologin	
irc:39:/usr/sbin/nologin	
gnats:41:/usr/sbin/nologin	
nobody:65534:/usr/sbin/nologin	
systemd-timesync: 100:/bin/false	
systemd-network: 101:/bin/false	
systemd-resolve: 102:/bin/false	
systemd-bus-proxy:103:/bin/false	
sshd:104:/usr/sbin/nologin	
Debian-exim: 105:/bin/false	
postfix:106:/bin/false	
skyline: 1000:/bin/bash	
\$>	
□ Yes	□No
Write a script which delete an ACTIVE user on the VM.	
Check that the script delete an ACTIVE user on the VM.	
For instance:	
Create an user.	
Connect you at the VM.	
Launch your script.	
List all existing users. (New user should not appear)	
□ Yes	□No
Three's a Charm. Write a script of you choice.	
Check script's utility and complexity.	
Rate it from 0 (failed) through 5 (excellent)	

Ratings

Don't forget to check the flag corresponding to the defense

 $\;\square\;\mathsf{Ok}$

□ Outstanding project

□ Empty work	□ Incomplete work	□ Cheat	1 Forbidden function		
Conclusion					
Leave a comment on this e	evaluation				
	<i>1</i>				
	Finish evaluation				

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