

# **TUGAS BESAR CLOUD COMPUTING**

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**Disusun Oleh:**

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**KELAS A**

**PROGRAM STUDI S1 SISTEM INFORMASI  
FAKULTAS TEKNOLOGI INFORMASI  
UNIVERSITAS ANDALAS  
2024**

**Buatlah sebuah web server wordpress dengan menggunakan mode *Infrastruktur as a Service (IaaS)*. Pada beberapa layanan cloud yang ada, layanan ini berbentuk *Virtual Private Server(VPS)*. Provider cloud yang digunakan dibebaskan untuk memilih. Sistem Operasi yang digunakan harus berbasis UNIX/LINUX. Web yang telah terinstall minimal telah memiliki frontpage yang berisi nama dan NIM mahasiswa.**

- 1. Submit hasil dari command pada console UNIX/LINUX di berikut pada:**

Berikut ini untuk akses ssh bitnami dari Virtual Mechine yang telah di buat

```
bitnami@VMNewNadia: ~  
Microsoft Windows [Version 10.0.22631.3672]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\Nadia Nur Saida>ssh nadianursaida@68.218.155.90  
The authenticity of host '68.218.155.90 (68.218.155.90)' can't be established.  
ED25519 key fingerprint is SHA256:nIAm4U6MX2nrbpMwx0xVXqo7H29d994jXkQZgI4LN9E.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '68.218.155.90' (ED25519) to the list of known hosts.  
nadianursaida@68.218.155.90's password:  
Linux VMNewNadia 6.1.0-21-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.90-1 (2024-05-03) x86_64  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
  
          _ _ _  
      _ _ | | | _ _  
     _ _ ||_|_|_||  
    _ _ ||_|_|_|_|  
   _ _ ||_|_|_|_|  
  _ _ ||_|_|_|_|  
 _ _ ||_|_|_|_|  
_ _ ||_|_|_|_|  
  
*** Welcome to the Bitnami package for WordPress 6.5.3-6 ***  
*** Documentation: https://docs.bitnami.com/azure/apps/wordpress/ ***  
***               https://docs.bitnami.com/azure/ ***  
*** Bitnami Forums: https://github.com/bitnami/vms/ ***  
bitnami@VMNewNadia:~$
```

- a. `uname -a`

```
*** Bitnami Forums: https://github.com/bitnami/vms/ ***
bitnami@VMNewNadia:~$ uname -a
Linux VMNewNadia 6.1.0-21-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.90-1 (2024-05-03) x86_64 GNU/Linux
```

- b. ip -a

```

bitnami@VMNewNadia: ~  

Linux VMNewNadia 6.1.0-21-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.90-1 (2024-05-03) x86_64 GNU/Linux  

bitnami@VMNewNadia:~$ ip -a  

Usage: ip [ OPTIONS ] OBJECT { COMMAND | help }  

       ip [-force] -batch filename  

where  OBJECT := { address | addrlabel | amt | fou | help | ila | ioam | l2tp |  

               link | macsec | maddress | monitor | mptcp | mroute | mrule |  

               neighbor | neighbour | netconf | netns | nexthop | ntable |  

               ntbl | route | rule | sr | tap | tcpmetrics |  

               token | tunnel | tuntap | vrf | xfrm }  

OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |  

             -h[uman-readable] | -i[ec] | -j[son] | -p[retty] |  

             -f[amily] { inet | inet6 | mpls | bridge | link } |  

             -4 | -6 | -M | -B | -O |  

             -l[oops] { maximum-addr-flush-attempts } | -br[ief] |  

             -o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename] |  

             -rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[l]l |  

             -c[olor]}

```

c. apachectl -v

```
ntbl | route | rule | sr | tap | tcpmetrics |
token | tunnel | tuntap | vrf | xfrm }
OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |
-h[uman-readable] | -iec | -j[son] | -p[retty] |
-f[amily] { inet | inet6 | mpls | bridge | link } |
-4 | -6 | -M | -B | -0 |
-l[oops] { maximum-addr-flush-attempts } | -br[ief] |
-o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename] |
-rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
-c[olor]}
bitnami@VMNewNadia:~$ apachectl -v
Server version: Apache/2.4.59 (Unix)
Server built:   May 13 2024 14:41:26
```

d. mysql -V

```
-c[olor]}
bitnami@VMNewNadia:~$ apachectl -v
Server version: Apache/2.4.59 (Unix)
Server built:   May 13 2024 14:41:26
bitnami@VMNewNadia:~$ mysql -V
mysql: Deprecated program name. It will be removed in a future release, use '/opt/bitnami/mariadb/bin/mariadb' instead
mysql from 11.3.2-MariaDB, client 15.2 for Linux (x86_64) using readline 5.1
bitnami@VMNewNadia:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:22:48:11:22:88 brd ff:ff:ff:ff:ff:ff
    inet 10.1.0.4/24 metric 100 brd 10.1.0.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::222:48ff:fe11:2288/64 scope link
        valid_lft forever preferred_lft forever
bitnami@VMNewNadia:~$
```

2. **Screenshot** dari web browser mengakses URL dengan IP Address server wordpress yang telah dibuat, *bobot nilai extra 5* jika URL telah bisa diakses dari internet menggunakan domain.

URL dengan IP Address server dapat di akses pada link berikut: <http://68.218.155.90/>

