

```
(kali㉿kali)-[~]  
$ sudo arp-scan -I eth1 -l 2>/dev/null  
Interface: eth1, type: EN10MB, MAC: 08:00:27:26:cc:3d, IPv4: 192.168.56.103  
Starting arp-scan 1.10.0 with 256 hosts (https://github.com/royhills/arp-scan)  
192.168.56.1    0a:00:27:00:00:0a    (Unknown: locally administered)  
192.168.56.100 08:00:27:b1:40:a5    (Unknown)  
192.168.56.102 08:00:27:bc:44:90    (Unknown)  
  
3 packets received by filter, 0 packets dropped by kernel  
Ending arp-scan 1.10.0: 256 hosts scanned in 1.943 seconds (131.76 hosts/sec). 3 responded
```

```
(kali㉿kali)-[~]
└─$ nmap -sC -sV -p- -v 192.168.56.102 -T4
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-06-26 00:48 EDT
NSE: Loaded 156 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Initiating Ping Scan at 00:48
Scanning 192.168.56.102 [2 ports]
Completed Ping Scan at 00:48, 0.00s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 00:48
Completed Parallel DNS resolution of 1 host. at 00:48, 0.02s elapsed
Initiating Connect Scan at 00:48
Scanning 192.168.56.102 [65535 ports]
Discovered open port 80/tcp on 192.168.56.102
Completed Connect Scan at 00:48, 19.51s elapsed (65535 total ports)
Initiating Service scan at 00:48
Scanning 1 service on 192.168.56.102
Completed Service scan at 00:48, 6.04s elapsed (1 service on 1 host)
NSE: Script scanning 192.168.56.102.
Initiating NSE at 00:48
Completed NSE at 00:48, 0.25s elapsed
Initiating NSE at 00:48
Completed NSE at 00:48, 0.03s elapsed
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Nmap scan report for 192.168.56.102
Host is up (0.073s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT      STATE SERVICE VERSION
80/tcp    open  http      Apache httpd 2.4.29 ((Ubuntu))
|_http-title: Apache2 Ubuntu Default Page: It works
|_http-methods:
|_ Supported Methods: GET POST OPTIONS HEAD
|_http-server-header: Apache/2.4.29 (Ubuntu)

NSE: Script Post-scanning.
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Initiating NSE at 00:48
Completed NSE at 00:48, 0.00s elapsed
Read data files from: /usr/bin/../../share/nmap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 26.65 seconds
```

Apache2 Ubuntu Default Page

192.168.56.102

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Apache2 Ubuntu Default Page

ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain

File Machine View Input Devices Help

192.168.56.102/robots.txt

192.168.56.102/robots.txt

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sar2HTML

192.168.56.102/sar2HTML/

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sar2html Ver 3.2.1

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New

OS

COLLECTING SAR DATA

1. Use sar2asciil to generate a report:

- Download following tool to collect sar data from servers: [sar2asciil.tar](#).
- Untar it on the server which you will examine performance data.
- For HP-UX servers run "sh sar2asciil".
- For Linux or Sun Solaris servers run "bash sar2asciil".
- It will create the report with name sar2html-hostname-date.tar.gz under /tmp directory.
- Click "NEW" button, browse and select the report, click "Upload report" button to upload the data.
- Or simply type "sar2html -m {sar2html report}" at command prompt.

2. Use built in report generator:

- Click "NEW" button, enter ip address of host, user name and password and click "Capture report" button.
- Or simply type "sar2html -a [host ip] [user name] [password]" at command prompt.

NOTE: If sar data is not available even it is installed you need to add following lines to crontab:

HP-UX:

```
0,10,20,30,40,50 *** /usr/sbin/sa/sa1
5 18 *** /usr/sbin/sa/sa2 -A
```

SOLARIS:

```
0,10,20,30,40,50 *** /usr/lib/sa/sa1
5 18 *** /usr/lib/sa/sa2 -A
```

INSTALLATION

- Plotting tools, sar2html and index.php only run on Linux server.
- HP-UX 11.11, 11.23, 11.31, Redhat 3, 4, 5, 6, 7, Suse 8, 9, 10, 11, 12, Ubuntu 18 and Solaris 5.9, 5.10 are supported for reporting.
- Install Apache2, PHP5, Expect and GnuPlot with png support (Suse11 is recommended. It provides gnuplot with native png support.)
- Edit php.ini file and set:
 'upload_max_filesize' to 2GB.
 'post_max_size' to 80MB.
- Extract sar2html.tar.gz under root directory of your web server or create subdirectory for it.
- Run './sar2html -c' in order to configure sar2html. You need to know apache user and group for setup.
- Open [http://\[IP ADDRESS OF WEB SERVER\]/index.php](http://[IP ADDRESS OF WEB SERVER]/index.php)
- Now it is ready to work.

