

Aim: To understand Continuous integration, Jenkins installation.

Jenkins 2.361.1 Setup

## Welcome to the Jenkins 2.361.1 Setup Wizard

The Setup Wizard will install Jenkins 2.361.1 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.



Back

Next

Cancel

Jenkins 2.361.1 Setup

### Service Logon Credentials

Enter service credentials for the service.

Jenkins



Jenkins 2.361.1 installs and runs as an independent Windows service. To operate in this manner, you must supply the user account credentials for Jenkins 2.361.1 to run successfully.

#### Logon Type:

- ☒ Run service as LocalSystem (not recommended)  
☐ Run service as local or domain user:

Account:   
Password:

Test Credentials

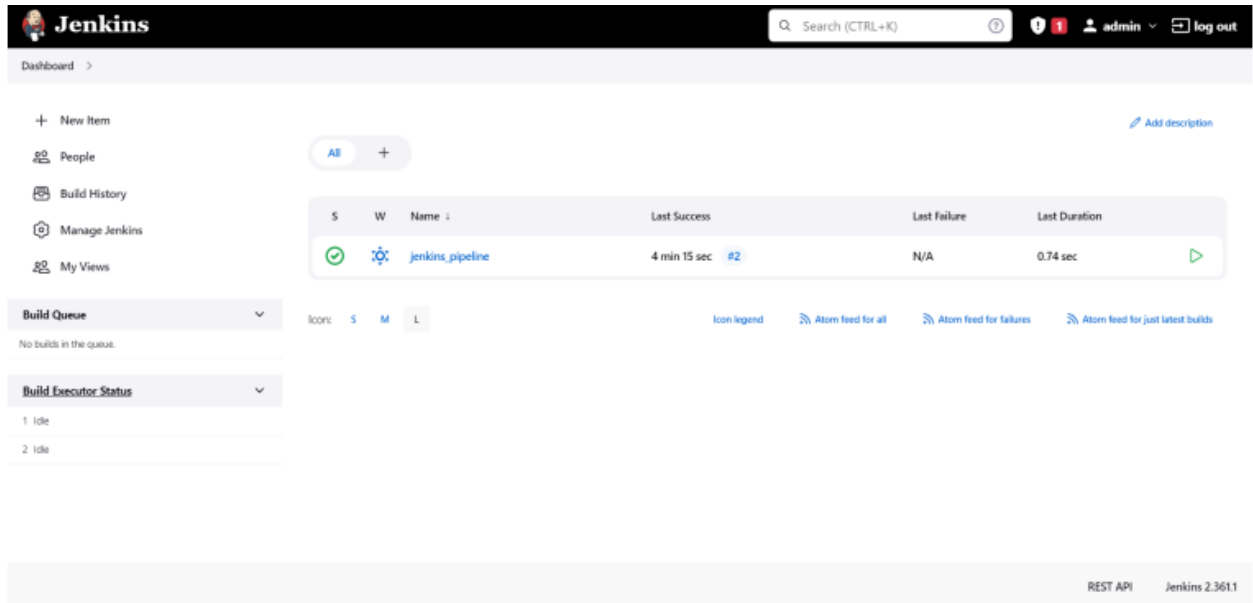
Back

Next

Cancel

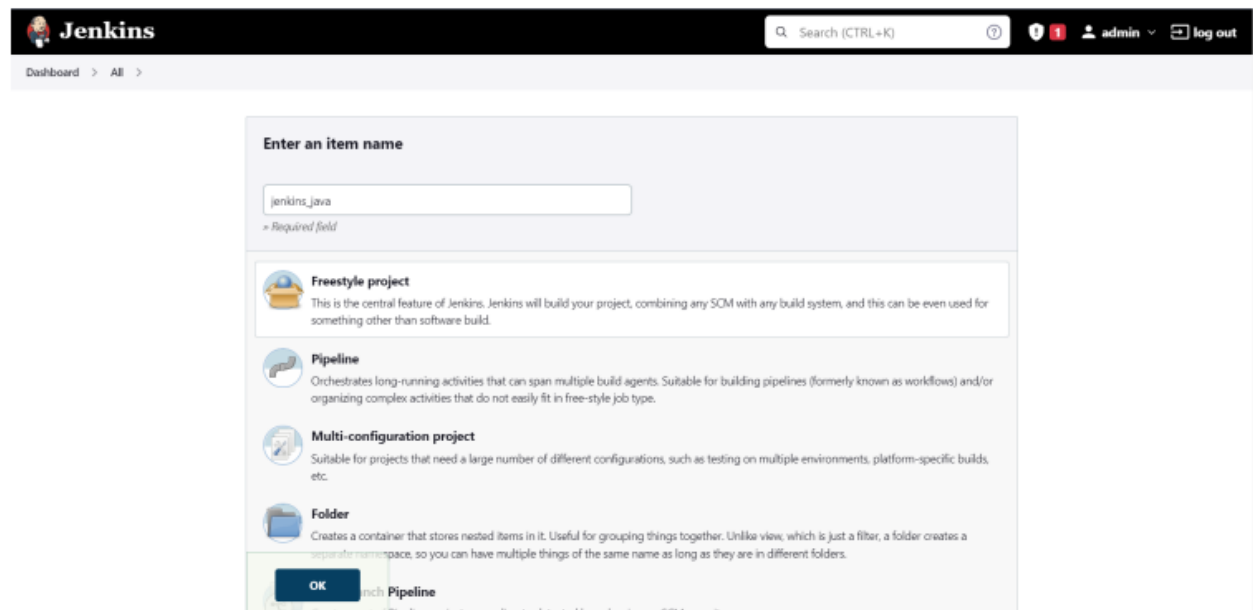


Aim: To Build Java program using Jenkins.



The screenshot shows the Jenkins Dashboard. At the top, there's a header with the Jenkins logo, a search bar (Search (CTRL+K)), and user information (admin, log out). Below the header, the left sidebar contains navigation links: New Item, People, Build History, Manage Jenkins, and My Views. The main content area displays a table of builds for the 'jenkins\_pipeline' job. The table has columns for status (S), warnings (W), name, last success, last failure, and last duration. A single build is shown with a success status, a duration of 4 min 15 sec, and a last duration of 0.74 sec. Below the table, there are sections for 'Build Queue' (No builds in the queue) and 'Build Executor Status' (2 idle executors). At the bottom right, there are links for 'REST API' and 'Jenkins 2.361.1'.

S	W	Name	Last Success	Last Failure	Last Duration
✓	⚙️	jenkins_pipeline	4 min 15 sec #2	N/A	0.74 sec



The screenshot shows the 'Enter an item name' form in Jenkins. The form has a text input field containing 'jenkins\_java' and a 'Required field' message. Below the input field, there are four options: 'Freestyle project', 'Pipeline', 'Multi-configuration project', and 'Folder'. Each option has a brief description. The 'Pipeline' option is selected, and there is a 'Create Pipeline' button at the bottom.

**Enter an item name**

jenkins\_java  
=> Required field

- Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
- Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
- Multi-configuration project**  
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
- Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

**Create Pipeline**

Dashboard > jenkins\_java >

Configuration

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Execute Windows batch command ?

Command

See [the list of available environment variables](#)

echo "Hello World"  
echo "This is a JAVA Program using Jenkins Freestyle"

Advanced...

Add build step +

Post-build Actions

Add post-build action +

SaveApply

REST APIJenkins 2.361.1

Dashboard > jenkins\_java > #1

Back to Project

Status

Changes

Console Output

View as plain text

Edit Build Information

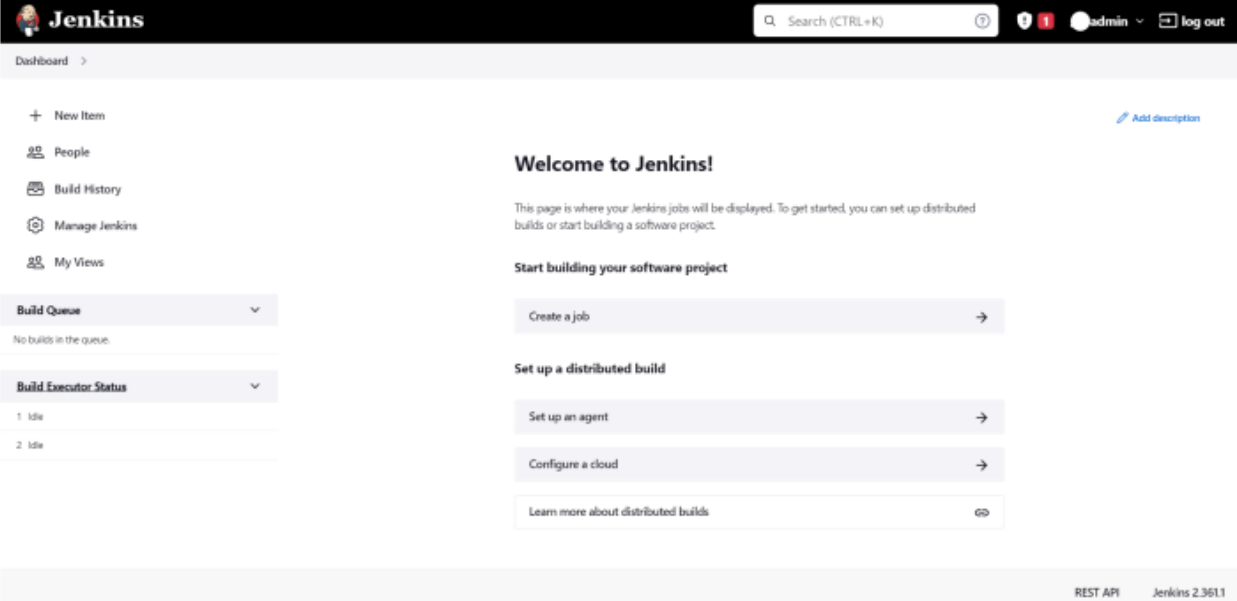
Delete build #1

Console Output

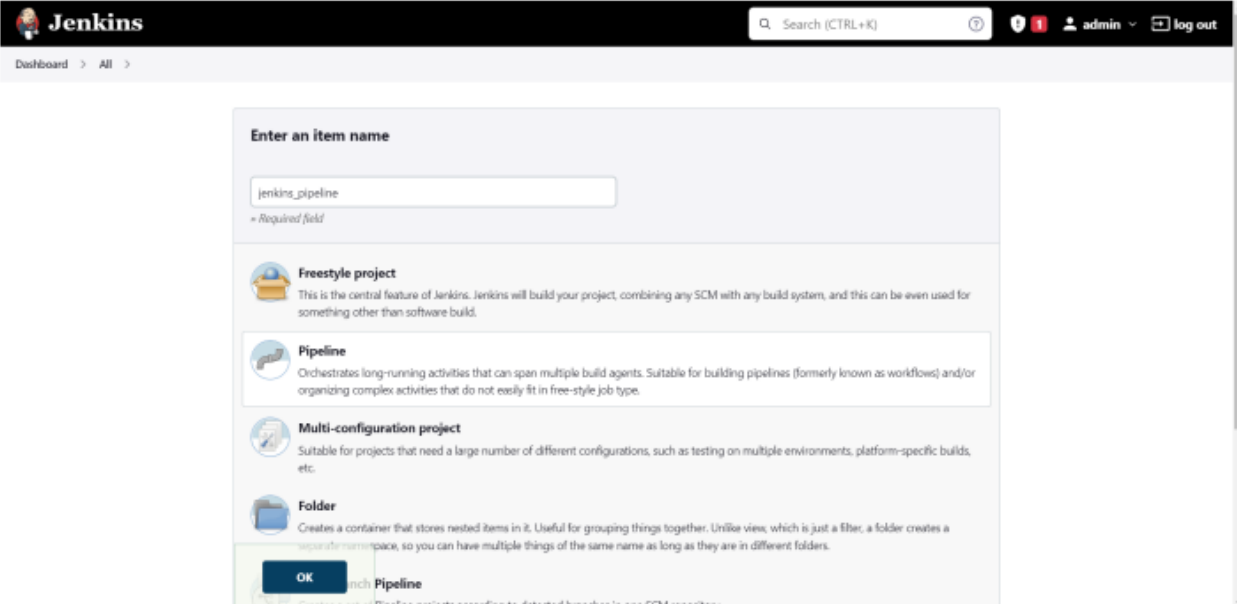
Started by user [admin](#)  
Running as SYSTEM  
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\jenkins\_java  
[jenkins\_java] \$ cmd /c call C:\WINDOWS\TEMP\jenkins7960664433863780463.bat  
  
C:\ProgramData\Jenkins\.jenkins\workspace\jenkins\_java>echo "Hello World"  
"Hello World"  
  
C:\ProgramData\Jenkins\.jenkins\workspace\jenkins\_java>echo "This is a JAVA Program using Jenkins Freestyle"  
"This is a JAVA Program using Jenkins Freestyle"  
  
C:\ProgramData\Jenkins\.jenkins\workspace\jenkins\_java>exit 0  
Finished: SUCCESS

REST APIJenkins 2.361.1

Aim: To Build pipeline using Jenkins.



The screenshot shows the Jenkins Dashboard. The top navigation bar includes the Jenkins logo, a search bar with the text "Search (CTRL+K)", and user information for "admin" with a "log out" button. The left sidebar contains links for "New Item", "People", "Build History", "Manage Jenkins", and "My Views". Below these are two expandable sections: "Build Queue" (showing "No builds in the queue.") and "Build Executor Status" (showing two "Idle" executors). The main content area is titled "Welcome to Jenkins!" and contains instructions on how to start building software projects. It includes buttons for "Create a job", "Set up a distributed build" (with sub-options "Set up an agent", "Configure a cloud", and "Learn more about distributed builds"), and an "Add description" link. The bottom right corner displays "REST API" and "Jenkins 2.361.1".



The screenshot shows the "New Item" form in Jenkins. The top navigation bar is identical to the dashboard. The left sidebar shows "Dashboard" and "All". The main form area is titled "Enter an item name" and contains a text input field with the value "jenkins\_pipeline". Below the input field is a note: "Required field". The form lists four project types with their descriptions: "Freestyle project" (the central feature), "Pipeline" (orchestrates long-running activities), "Multi-configuration project" (suitable for large numbers of configurations), and "Folder" (creates a container for nested items). At the bottom, there is an "OK" button and a "Cancel" button. The "Pipeline" option is highlighted with a green border, and a description below it reads: "Creates a set of Pipeline projects according to detected branches in one SCM repository."

Dashboard > jenkins.pipeline >

### Configuration

General

Advanced Project Options

Pipeline

Pipeline script

Script ?

try sample Pipeline...

```
1 pipeline {
2   agent any
3
4   stages {
5     stage ('Build') {
6       steps {
7         echo 'Build Stage Done'
8       }
9     }
10    stage ('Test'){
11      steps {
12        echo 'Test Stage Done'
13      }
14    }
15    stage ('Deploy') {
16      steps {
17        echo 'Deploy Stage Done'
18      }
19    }
20  }
21 }
```

☒ Use Groovy Sandbox ?

Pipeline Syntax

Save

Apply

Dashboard > jenkins.pipeline >

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline

🔍 Full Stage View

✎ Rename

🔍 Pipeline Syntax

Build History

trend ▼

Filter builds...

62 Sep 19, 2022, 1:29 AM

61 Sep 19, 2022, 1:29 AM

Atom feed for all Atom feed for failures

DevOps Lab Assignment 6

Recent Changes

Stage View

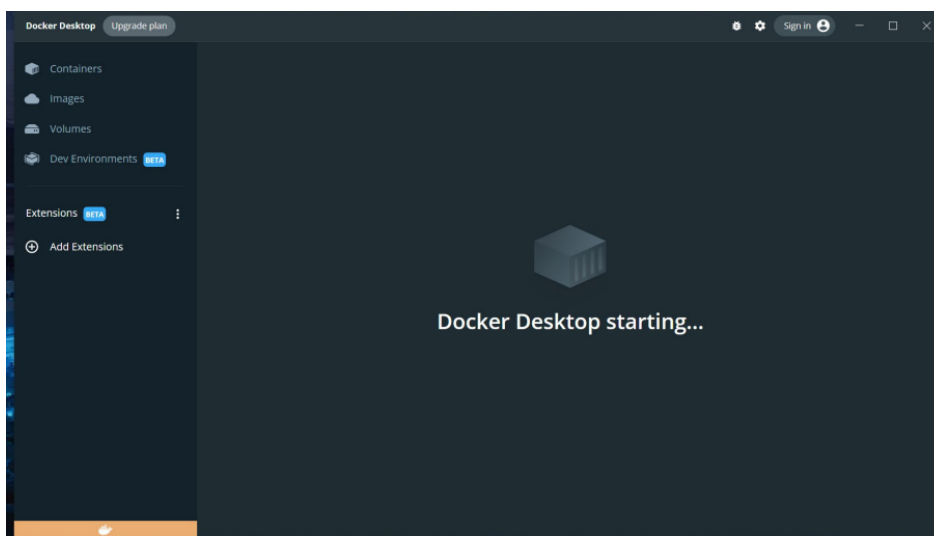
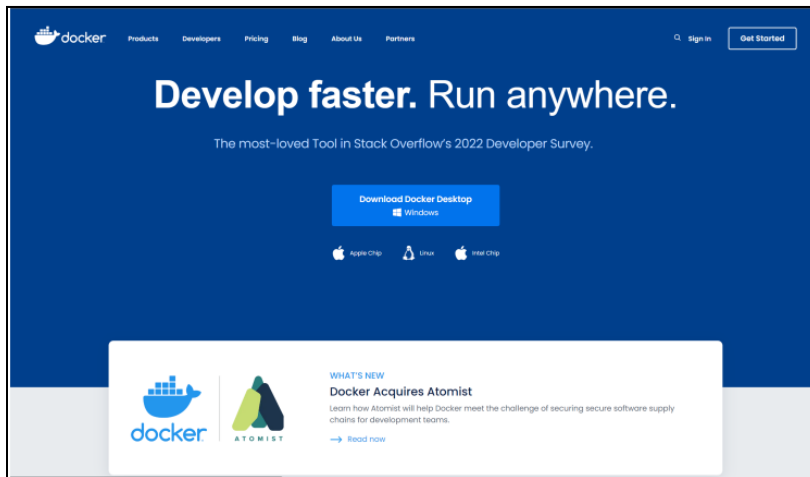
Average stage times:  
(Average full run time: ~2s)

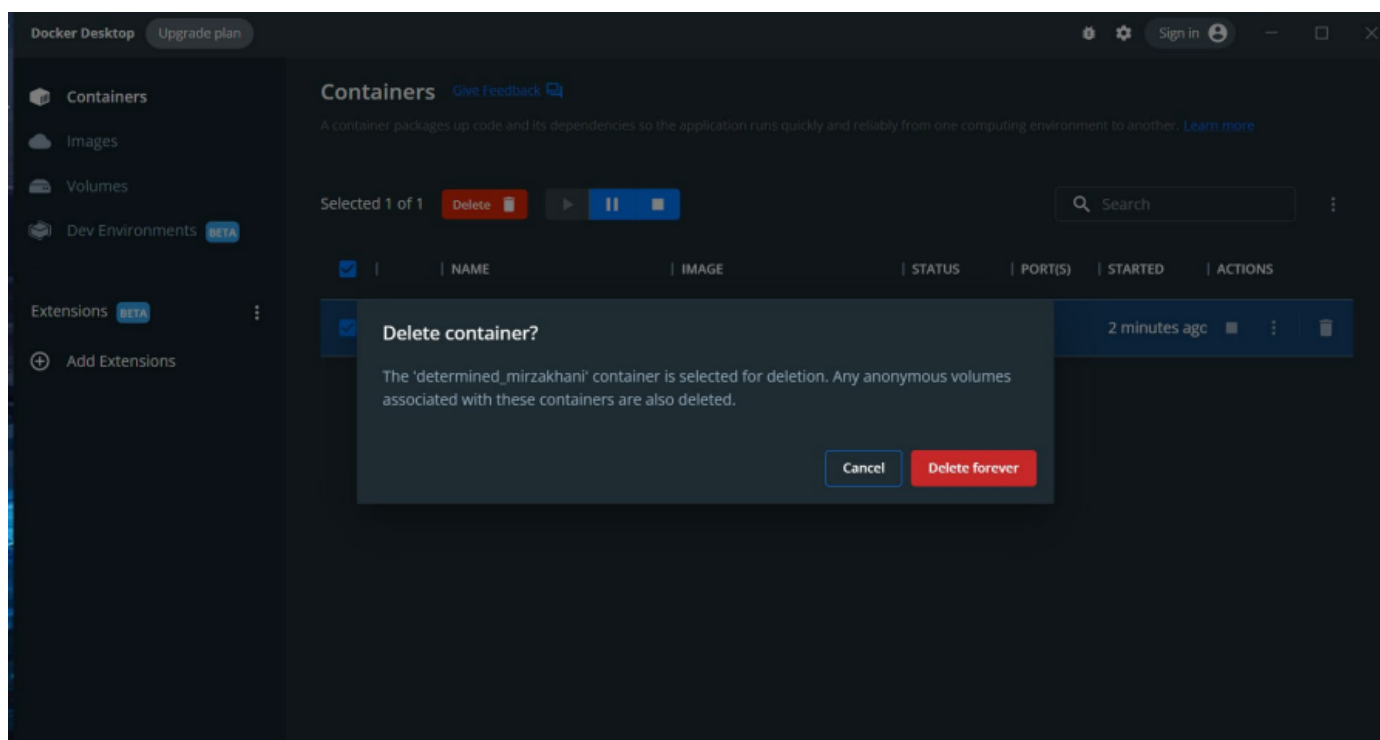
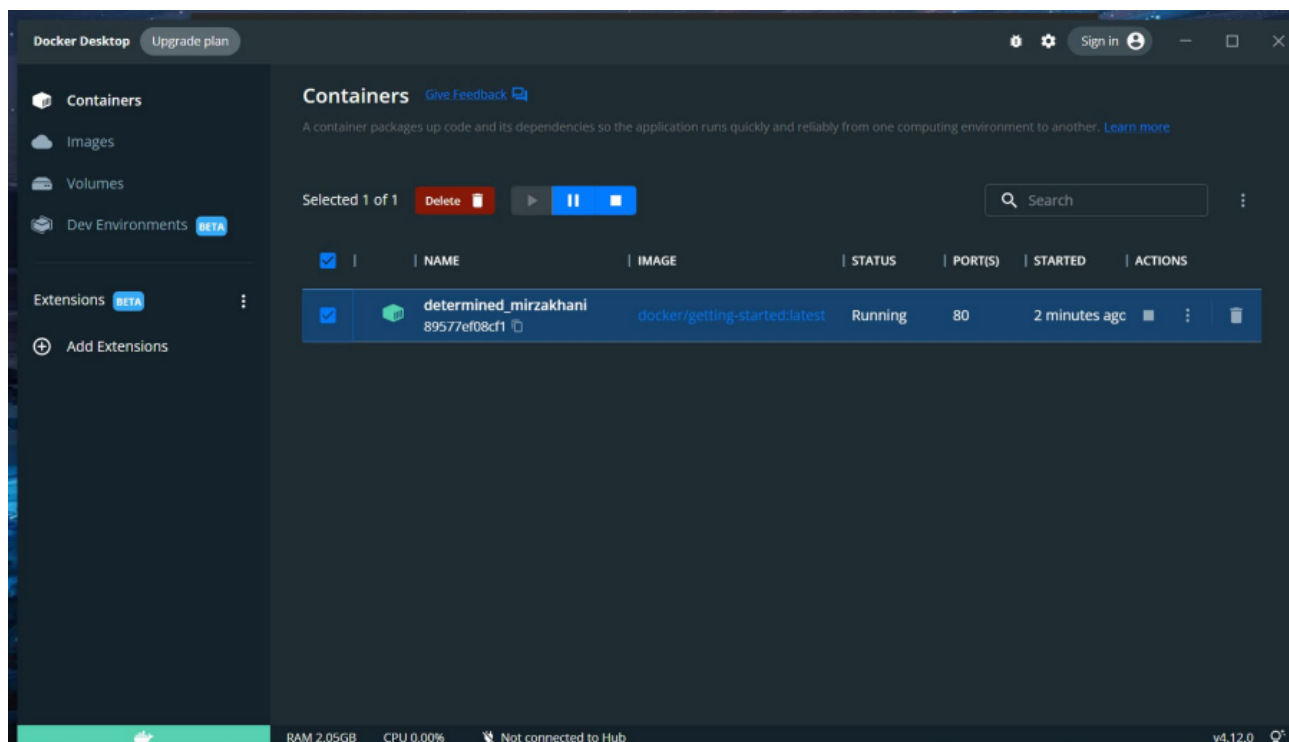
	Build	Test	Deploy
62 Sep 19 01:29 No Changes	158ms	78ms	69ms
61 Sep 19 01:29 No Changes	141ms	78ms	68ms
60 Sep 19 01:29 No Changes	175ms	78ms	70ms

Permalinks

REST API Jenkins 2.361.1

Aim: Deploying first docker container





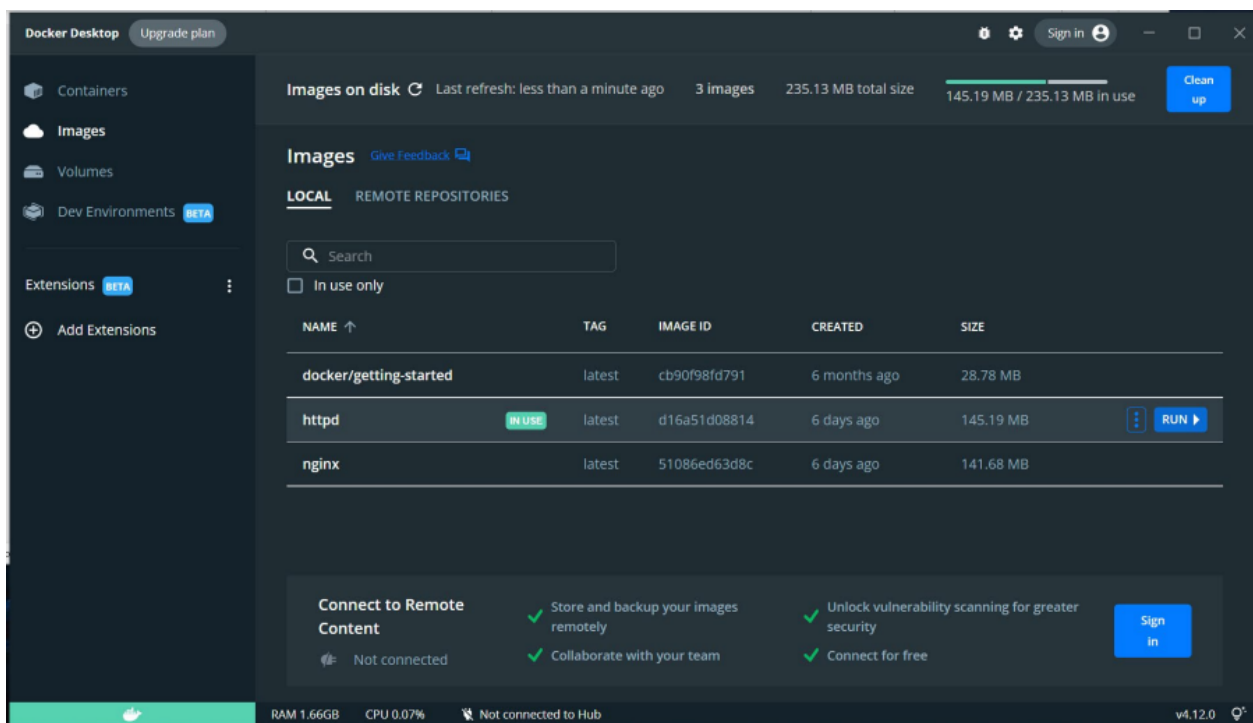


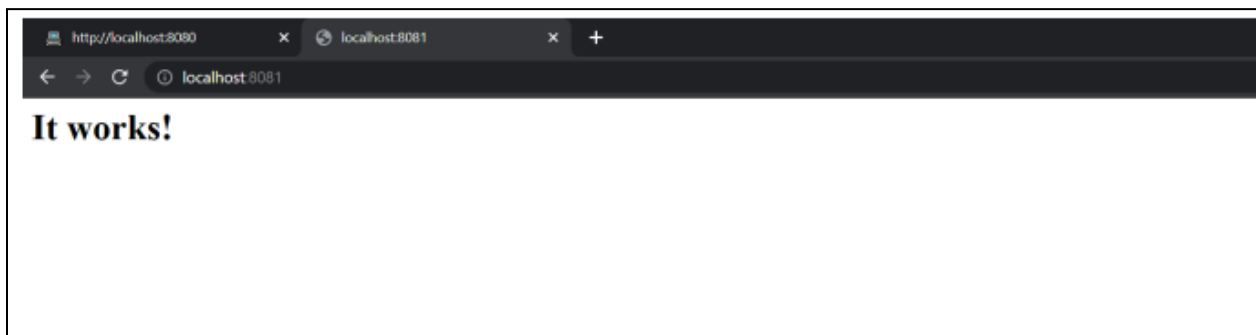
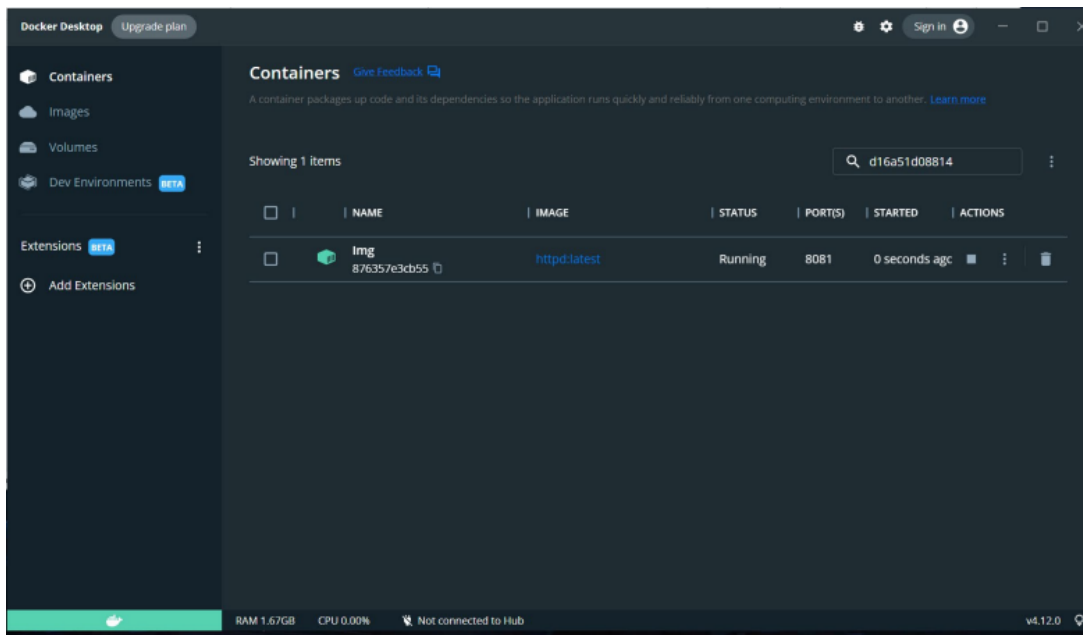
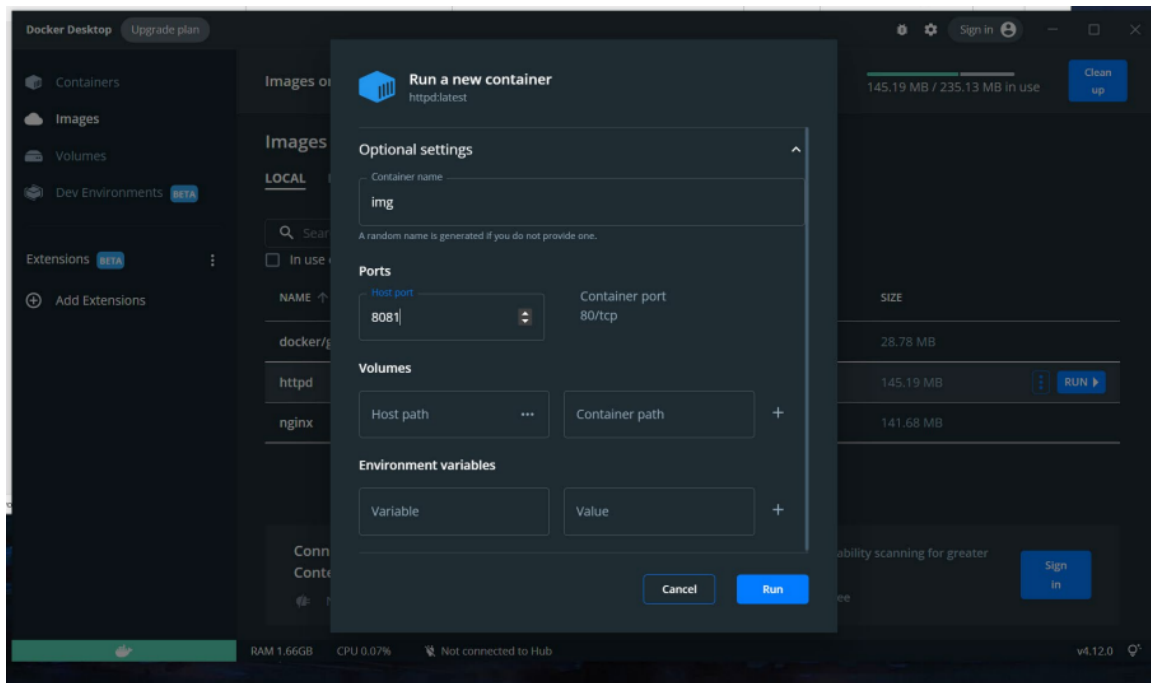
Aim: Deploying static web page as a container

```
Command Prompt
Microsoft Windows [Version 10.0.19043.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Mihir>docker pull httpd
Using default tag: latest
latest: Pulling from library/httpd
bd159e379b3b: Already exists
36d838c2f6d6: Pull complete
b55eda22bb18: Pull complete
f6e6bfa28393: Pull complete
a1b49b7ecb8a: Pull complete
Digest: sha256:4400fb49c9d7d218d3c8109ef721e0ec1f3897028a3004b098af587d565f4ae5
Status: Downloaded newer image for httpd:latest
docker.io/library/httpd:latest

C:\Users\Mihir>
```





## Aim: Installing Nagios on Ubuntu 14.04 and monitoring localhost

```
Activities Terminal Oct 11 21:10 mihir@mhir-VirtualBox -

mihir@mhir-VirtualBox:~$ sudo apt update
[sudo] password for mihir:
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
150 packages can be upgraded. Run 'apt list --upgradable' to see them.
mihir@mhir-VirtualBox:~$ sudo apt install wget unzip curl openssl build-essential libgd-dev libssl-dev libapache2-mod-php php-gd php-apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
build-essential is already the newest version (12.9ubuntu3).
unzip is already the newest version (6.0-26ubuntu3).
wget is already the newest version (1.21.2-2ubuntu1).
openssl is already the newest version (3.0.2-0ubuntu1.4).
openssl set to manually installed.
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vadp 1965-via-driver
  intel-media-va-driver libaacs0 libaom0 libbass0 libavcodec58 libavformat58
  libavutil54 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1
  libcodecs2-1.0 libdavid0 libflite1 libgnome0 libgsm1
  libgstreamer-plugins-bad1.0-0 libgdm2 libllv-0-0 libmfx1 libmysofa1
  libnorm1 libopenpt0 libpnm-5.3-0 libpostproc55 librabbitmq4 librubberband2
  libserd-0-0 libshined libserd-0-0 libsratom-0-0 libstr1.4-gnutls
  libswresample3 libswscale5 libudfread0 libva-drm2 libva-wayland2 libva-x11-2
  libvav libvdpau libvidstab1.1 libx265-199 libxvidcore4 libximg2 libxms
  libxvbi-common libxvbi0 mesa-va-drivers mesa-vdpau-drivers
  pocketsphinx-en-us systemd-hwe-hwdb va-driver-all vdpau-driver-all
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapache2-mod-php8.1 libapr1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1-dev libcurl4
  libdeflate-dev libexpat1-dev libfontconfig-dev libfreeType-dev
  libfreeType-dev libice-dev libjpeg-dev libjpeg-turbo-dev
  libjpeg8-dev libl2na-dev libpng-dev libpng-tools libpthread-stubs0-dev
  libsn-dev libtiff-dev libtiff5 libtiffxx libvpx-dev libx11-dev libxau-dev
  libxcb1-dev libxcp-dev libxpm-dev libxrender-dev php-common php8.1 php8.1-cgi
  php8.1-common php8.1-gd php8.1-imagick php8.1-readline php8.1-config uid-dev
  x11proto-dev xorg-sgml-doctools xtrans-dev zlib1g-dev
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
  php-pear freetype2-doc libice-doc libl2na-doc libsn-doc libssl-doc
  libx11-doc libxcb-doc libxpm-doc
The following NEW packages will be installed:
  apache2-bin apache2-data apache2-utils curl libapache2-mod-php
  libapache2-mod-php8.1 libapr1 libaprutil1 libaprutil1-dbd-sqlite3
mihir@mhir-VirtualBox:~$

Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Info: Switch to ngn prefix for package libapache2-mod-php8.1
Module mpm_event disabled.
Enabling module mpm_prefork.
Info: Executing deferred 'a2enmod php8.1' for package libapache2-mod-php8.1
Enabling module php8.1.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Setting up php8.1 (8.1.2-1ubuntu2.5) ...
Setting up libapache2-mod-php (2:8.1+92ubuntu1) ...
Setting up php (2:8.1+92ubuntu1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for ufw (0.36.1-4build1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for sgml-base (1.30) ...
Setting up x11proto-dev (2021.5-1) ...
Setting up libxau-dev:amd64 (1:1.0.9-1build1) ...
Setting up libice-dev:amd64 (2:1.0.10-1build2) ...
Setting up libsm-dev:amd64 (2:1.2.3-1build2) ...
Setting up libx11-dev:amd64 (2:1.8.4-1build1) ...
Setting up libxext-dev:amd64 (2:1.3.4-1build1) ...
Setting up libxrender-dev:amd64 (0:0.9.10-1build1) ...
Setting up libx11-dev:amd64 (2:1.7.5-1) ...
Setting up libxext-dev:amd64 (2:1.3.4-1build1) ...
Setting up libxpm-dev:amd64 (1:3.5.12-1build2) ...
Setting up libgd-dev:amd64 (2.3.0-2ubuntu2) ...
Processing triggers for php8.1-cgi (8.1.2-1ubuntu2.5) ...
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.5) ...
mihir@mhir-VirtualBox:~$ wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
--2022-10-11 21:10:17-- https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.6.tar.gz
Resolving assets.nagios.com (assets.nagios.com)... 45.79.49.120, 2000:3c00:f03c:92ff:fe77:45ce
Connecting to assets.nagios.com (assets.nagios.com)|45.79.49.120|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11333414 (11M) [application/x-gzip]
Saving to: 'nagios-4.4.6.tar.gz'

nagios-4.4.6.tar.gz 100%[=====] 10.81M 3.56MB/s 1s 3.0s

2022-10-11 21:10:21 (3.56 MB/s) - 'nagios-4.4.6.tar.gz' saved [11333414/11333414]

mihir@mhir-VirtualBox:~$
```

```
Activities Terminal Oct 11 21:12 mihir@mihir-VirtualBox: ~nagios-4.4.6

nagios-4.4.6/xdata/xadefault.h
mihir@mihir-VirtualBox: ~nagios-4.4.6$ cd nagios-4.4.6
mihir@mihir-VirtualBox: ~nagios-4.4.6$ ./configure
checking for a BSD-compatible install... /usr/bin/install -c
checking build system type... x86_64-pc-linux-gnu
checking host system type... x86_64-pc-linux-gnu
checking for gcc... gcc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking whether make sets $(MAKE)... yes
checking whether ln -s works... yes
checking for strip... /usr/bin/strip
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for ANSI C header files... yes
checking whether time.h and sys/time.h may both be included... yes
checking for sys/wait.h that is POSIX.1 compatible... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
checking for inttypes.h... yes
checking for stdint.h... yes
checking forunistd.h... yes
checking arpa/inet.h usability... yes
checking arpa/inet.h presence... yes
checking for arpa/inet.h... yes
checking ctype.h usability... yes
checking ctype.h presence... yes
checking for ctype.h... yes
checking dirent.h usability... yes
checking dirent.h presence... yes
checking for dirent.h... yes
checking errno.h usability... yes
checking errno.h presence... yes
checking for errno.h... yes
checking fcntl.h usability... yes
checking fcntl.h presence... yes
checking for fcntl.h... yes
checking getopt.h usability... yes
checking getopt.h presence... yes
checking for getopt.h... yes
```

```
Activities Terminal Oct 11 21:12 mihir@mihir-VirtualBox: ~nagios-4.4.6

mihir@mihir-VirtualBox: ~nagios-4.4.6$ sudo make all
cd ./base && make
make[1]: Entering directory '/home/mihir/nagios-4.4.6/base'
gcc -Wall -I. -g -O2 -DNVME_CONFIG_H -DNVSCORE -c -o nagios.o nagios.c
nagios.c: In function 'main':
nagios.c:611:25: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
611 |
| ~~~~~
| asprintf(&mac->x[MACRO_PROCESSSTARTTIME], "%li", (unsigned long long)program_start);
| ~~~~~
nagios.c:641:25: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
641 |
| ~~~~~
| asprintf(&mac->x[MACRO_EVENTSTARTTIME], "%li", (unsigned long long)event_start);
| ~~~~~
nagios.c: In function 'nagios_core_worker':
nagios.c:176:17: warning: ignoring return value of 'read' declared with attribute 'warn_unused_result' [-Wunused-result]
176 |
| ~~~~~
| read(sd, response + 3, sizeof(response) - 4);
| ~~~~~
nagios.c: In function 'test_path_access':
nagios.c:122:17: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
122 |
| ~~~~~
| asprintf(&path, "%s/%s", p, program);
| ~~~~~
gcc -Wall -I. -g -O2 -DNVME_CONFIG_H -DNVSCORE -c -o broker.o broker.c
gcc -Wall -I. -g -O2 -DNVME_CONFIG_H -DNVSCORE -c -o nebdns.o nebdns.c
gcc -Wall -I. -g -O2 -DNVME_CONFIG_H -DNVSCORE -c -o ../common/shared.o ../common/shared.c
gcc -Wall -I. -g -O2 -DNVME_CONFIG_H -DNVSCORE -c -o query-handler.o query-handler.c
gcc -Wall -I. -g -O2 -DNVME_CONFIG_H -DNVSCORE -c -o workers.o workers.c
workers.c: In function 'handle_worker_result':
workers.c:801:25: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
801 |
| ~~~~~
| asprintf(&error_reason, "timed out after %.2fs", tv_delta_f(&wres.start, &wres.stop));
| ~~~~~
workers.c:804:25: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
804 |
| ~~~~~
| asprintf(&error_reason, "died by signal %dms after %.2f seconds",
| ~~~~~
| WTERMSIG(wpres.wait_status),
| ~~~~~
| WCOREDUMP(wpres.wait_status) ? " (core dumped)" : "",
| ~~~~~
| tv_delta_f(&wres.start, &wres.stop));
| ~~~~~
workers.c:810:25: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
810 |
| ~~~~~
| asprintf(&error_reason, "is a non-check helper but exited with return code %d",
| ~~~~~
| WEXITSTATUS(wpres.wait_status));
| ~~~~~
workers.c: In function 'handle_worker_check':
workers.c:618:17: warning: ignoring return value of 'asprintf' declared with attribute 'warn_unused_result' [-Wunused-result]
618 |
| ~~~~~
| asprintf(&cr->output, "(No output on stdout) stderr: %s", wpres->stderr);
| ~~~~~
In function 'get_wproc_list',
inlined from 'get_worker' at workers.c:277:12:
workers.c:253:17: warning: 'ns' directive argument is null [-Wformat-overflow]
253 |
| ~~~~~
| log_debug_info(DEBUG_CHECKS, 1, "found specialized worker(s) for '%s', (%s/%s *slash != '/') ? slash : cmd_name);
| ~~~~~
```

```
Activities Terminal Oct 11 21:16 mhirm@mhirm-VirtualBox: ~/nagios-plugins-2.3.3

nagios-plugins-2.3.3/pkg/solaris/pkginfo.in
nagios-plugins-2.3.3/pkg/solaris/pkginfo
nagios-plugins-2.3.3/pkg/redhat/requries
mhirm@mhirm-VirtualBox: ~/nagios-plugins-2.3.3$ sudo ./configure --with-nagios-user=nagios --with-nagios-group=nagios
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /usr/bin/mkdir -p
checking for gawk... no
checking for nawk... nawk
checking whether make sets $(MAKE)... yes
checking whether to disable maintainer-specific portions of Makefiles... yes
checking build system type... x86_64-unknown-linux-gnu
checking host system type... x86_64-unknown-linux-gnu
checking for gcc... gcc
checking for C compiler default output file name... a.out
checking whether the C compiler works... yes
checking whether we are cross compiling... no
checking for suffix of executables...
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking for style of include used by make... GNU
checking dependency style of gcc... gcc3
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for MLink Amsterdam compiler... no
checking for ar... ar
checking for ranlib... ranlib
checking whether gcc and cc understand -c and -o together... yes
checking for ANSI C header files... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
checking for linttypes.h... yes
checking for stdint.h... yes
checking forunistd.h... yes
checking mlink/config.h usability... no
checking mlink/config.h presence... no
checking for mlink/config.h... no
checking whether it is safe to define __EXTENSIONS__... yes
checking whether _XOPEN_SOURCE should be defined... no
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... no
checking whether gcc needs -traditional... no
```

```
Activities Terminal Oct 11 21:18 mhirm@mhirm-VirtualBox: ~/nagios-plugins-2.3.3

make[1]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3'
mhirm@mhirm-VirtualBox: ~/nagios-plugins-2.3.3$ sudo make install
Making install in gl
make[1]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/gl'
make install-recursive
make[2]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/gl'
make[3]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/gl'
make[4]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/gl'
if test yes = no; then \
  case 'linux-gnu' in \
    darwin[56]*) \
      need_charset_alias=true ;; \
    darwin* | cygwin* | mingw* | pw32* | cegcc*) \
      need_charset_alias=false ;; \
    *) \
      need_charset_alias=true ;; \
  esac ; \
else \
  need_charset_alias=false ; \
fi ; \
if $need_charset_alias; then \
  /bin/bash ./build-aux/mkinstalldirs /usr/local/nagios/lib ; \
fi ; \
if test -f /usr/local/nagios/lib/charset.alias; then \
  sed -f ref-add.sed /usr/local/nagios/lib/charset.alias > /usr/local/nagios/lib/charset.tmp ; \
  /usr/bin/install -c -o nagios -g nagios -m 044 /usr/local/nagios/lib/charset.tmp /usr/local/nagios/lib/charset.alias ; \
  rm -f /usr/local/nagios/lib/charset.tmp ; \
else \
  if $need_charset_alias; then \
    sed -f ref-add.sed /usr/local/nagios/lib/charset.tmp > /usr/local/nagios/lib/charset.tmp ; \
    /usr/bin/install -c -o nagios -g nagios -m 044 /usr/local/nagios/lib/charset.tmp /usr/local/nagios/lib/charset.alias ; \
    rm -f /usr/local/nagios/lib/charset.tmp ; \
  fi ; \
fi
make[4]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3/gl'
make[3]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3/gl'
make[2]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3/gl'
make[1]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3/gl'
Making install in tap
make[1]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/tap'
make[2]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/tap'
make[2]: Nothing to be done for 'install-exec-am'.
test -z '/usr/local/nagios/include' || /usr/bin/mkdir -p '/usr/local/nagios/include'
make[2]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3/tap'
make[1]: Leaving directory '/home/mhirm/nagios-plugins-2.3.3/tap'
Making install in lib
make[1]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/lib'
Making install in .
make[2]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/lib'
make[3]: Entering directory '/home/mhirm/nagios-plugins-2.3.3/lib'
```