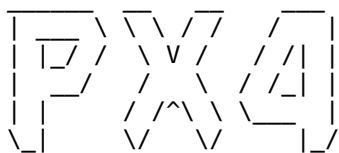


```
ninja: Entering directory `/home/lorenzo/Firmware/build/posix_sitl_default'
[1/6] No forceconfigure step for 'sitl_gazebo'
[2/6] Performing configure step for 'sitl_gazebo'
-- install-prefix: /usr/local
-- Boost version: 1.58.0
-- Found the following Boost libraries:
--   system
--   thread
--   timer
--   chrono
--   date_time
--   atomic
-- Boost version: 1.58.0
-- Found the following Boost libraries:
--   thread
--   signals
--   system
--   filesystem
--   program_options
--   regex
--   iostreams
--   date_time
--   chrono
--   atomic
-- Boost version: 1.58.0
-- Looking for OGRE...
-- Found Ogre Ghadamon (1.9.0)
-- Looking for OGRE_Paging...
-- Found OGRE_Paging: optimized;/usr/lib/x86_64-linux-gnu/libOgrePaging.so;debug;/usr/lib/x86_64-linux-gnu/libOgrePaging.so
-- Looking for OGRE_Terrain...
-- Found OGRE_Terrain: optimized;/usr/lib/x86_64-linux-gnu/libOgreTerrain.so;debug;/usr/lib/x86_64-linux-gnu/libOgreTerrain.so
-- Looking for OGRE_Property...
-- Found OGRE_Property: optimized;/usr/lib/x86_64-linux-gnu/libOgreProperty.so;debug;/usr/lib/x86_64-linux-gnu/libOgreProperty.so
-- Looking for OGRE_RTShaderSystem...
-- Found OGRE_RTShaderSystem: optimized;/usr/lib/x86_64-linux-gnu/libOgreRTShaderSystem.so;debug;/usr/lib/x86_64-linux-gnu/libOgreRTShaderSystem.so
-- Looking for OGRE_Volume...
-- Found OGRE_Volume: optimized;/usr/lib/x86_64-linux-gnu/libOgreVolume.so;debug;/usr/lib/x86_64-linux-gnu/libOgreVolume.so
-- Looking for OGRE_Overlay...
-- Found OGRE_Overlay: optimized;/usr/lib/x86_64-linux-gnu/libOgreOverlay.so;debug;/usr/lib/x86_64-linux-gnu/libOgreOverlay.so
-- Found Protobuf: /usr/lib/x86_64-linux-gnu/libprotobuf.so (Required is at least version "2.3.0")
-- Config-file not installed for ZeroMQ -- checking for pkg-config
-- Checking for module 'libzmq >= 4'
-- Found libzmq , version 4.1.4
-- Checking for module 'uuid'
-- Found uuid, version 2.27.0
-- Checking for module 'tinycl2'
-- Found tinycl2, version 2.2.0
-- Looking for dlfcn.h - found
-- Looking for libdl - found
-- FreeImage.pc not found, we will search for FreeImage_INCLUDE_DIRS and FreeImage_LIBRARIES
-- Checking for module 'gts'
-- Found gts, version 0.7.6
-- Checking for module 'libswscale'
-- Found libswscale, version 3.1.101
-- Checking for module 'libavdevice >= 56.4.100'
-- Found libavdevice , version 56.4.100
-- Checking for module 'libavformat'
-- Found libavformat, version 56.40.101
```

```

-- Checking for module 'libavcodec'
-- Found libavcodec, version 56.60.100
-- Checking for module 'libavutil'
-- Found libavutil, version 54.31.100
-- Checking for module 'jsoncpp'
-- Found jsoncpp, version 1.7.2
-- Checking for module 'yaml-0.1'
-- Found yaml-0.1, version 0.1.6
-- Checking for module 'libzip'
-- Found libzip, version 1.0.1
-- Building klt_feature_tracker without catkin
-- Building OpticalFlow with OpenCV
-- catkin DISABLED
-- Found Protobuf: /usr/lib/x86_64-linux-gnu/libprotobuf.so
Gazebo version: 9.4
-- Using C++17 compiler
-- Configuring done
-- Generating done
-- Build files have been written to: /home/lorenzo/Firmware/build/
posix_sitl_default/build_gazebo
[3/6] Performing build step for 'sitl_gazebo'
ninja: no work to do.
[4/6] No install step for 'sitl_gazebo'
[5/6] Completed 'sitl_gazebo'
[6/6] cd /home/lorenzo/Firmware/build/posix_sitl_default/tmp && /home/lorenzo/
Firmware/Tools/sitl_run.sh /home/lorenzo/Firmware/build/posix_sitl_default/bin/px4
none gazebo none /home/lorenzo/Firmware /home/lorenzo/Firmware/build/
posix_sitl_default
SITL_ARGS
sitl_bin: /home/lorenzo/Firmware/build/posix_sitl_default/bin/px4
debugger: none
program: gazebo
model: none
src_path: /home/lorenzo/Firmware
build_path: /home/lorenzo/Firmware/build/posix_sitl_default
empty model, setting iris as default
GAZEBO_PLUGIN_PATH :/home/lorenzo/Firmware/build/posix_sitl_default/build_gazebo
GAZEBO_MODEL_PATH :/home/lorenzo/Firmware/Tools/sitl_gazebo/models
LD_LIBRARY_PATH :/home/lorenzo/Firmware/build/posix_sitl_default/build_gazebo
[1;32m[Msg] [0m[1;32mWaiting for master.[0m[1;32m
[0m[1;32m[0m[1;32m[Msg] [0m[1;32mConnected to gazebo master @ [0m
[1;32mhttp://127.0.0.1:11345[0m[1;32m
[0m[1;32m[0m[1;32m[Msg] [0m[1;32mPublicized address: [0m
[1;32m192.168.1.14[0m[1;32m
[0m[1;32m[0m[1;36m[Dbg] [gazebo_mavlink_interface.cpp:138] [0m
[1;36m<joint_name> not found for channel[0m[1;36m[0m[1;36m no joint control
will be performed for this channel.
[0m[1;36m[Dbg] [gazebo_mavlink_interface.cpp:138] [0m[1;36m<joint_name> not
found for channel[0m[1;36m1[0m[1;36m no joint control will be performed for
this channel.
[0m[1;36m[Dbg] [gazebo_mavlink_interface.cpp:138] [0m[1;36m<joint_name> not
found for channel[0m[1;36m2[0m[1;36m no joint control will be performed for
this channel.
[0m[1;36m[Dbg] [gazebo_mavlink_interface.cpp:138] [0m[1;36m<joint_name> not
found for channel[0m[1;36m3[0m[1;36m no joint control will be performed for
this channel.
[0m[1;36m[Dbg] [gazebo_mavlink_interface.cpp:138] [0m[1;36m<joint_name> not
found for channel[0m[1;36m7[0m[1;36m no joint control will be performed for
this channel.
[0m[1;32m[Msg] [0m[1;32mUsing MAVLink protocol v2.0
[0mSITL COMMAND: /home/lorenzo/Firmware/build/posix_sitl_default/bin/px4 /home/
lorenzo/Firmware/ROMFS/px4fmu_common -s etc/init.d-posix/rcS -t /home/lorenzo/
Firmware/test_data
INFO [Unknown] Creating symlink /home/lorenzo/Firmware/ROMFS/px4fmu_common -> /
home/lorenzo/Firmware/build/posix_sitl_default/tmp/rootfs/etc
70 WARNING: setRealtimeSched failed (not run as root?)

```



px4 starting.

```

INFO [Unknown] Calling startup script: bash etc/init.d-posix/rcS 0
INFO [dataman] Unknown restart, data manager file './dataman' size is 11405132
bytes
INFO [simulator] Waiting for initial data on UDP port 14560. Please start the
flight simulator to proceed..
INFO [init] Mixer: etc/mixers/quad_w.main.mix on /dev/pwm_output0
INFO [mavlink] MAVLink only on localhost (set param MAV_BROADCAST = 1 to enable
network)
INFO [simulator] Got initial simulation data, running sim..
INFO [commander] Mission #3 loaded, 6 WPs, curr: 0
INFO [mavlink] mode: Normal, data rate: 4000000 B/s on udp port 14570 remote port
14550
INFO [mavlink] mode: Onboard, data rate: 4000000 B/s on udp port 14580 remote
port 14540
INFO [logger] logger started (mode=all)
INFO [logger] Start file log
INFO [logger] Opened log file: ./log/2018-09-30/09_32_35.ulg
INFO [Unknown] Startup script returned successfully
pxh> [1;32m[Msg] [0m[1;32mWaiting for master.[0m[1;32m
[0m[1;32m[0m[1;32m[Msg] [0m[1;32mConnected to gazebo master @ [0m
[1;32mhttp://127.0.0.1:11345[0m[1;32m
[0m[1;32m[0m[1;32m[Msg] [0m[1;32mPublicized address: [0m
[1;32m192.168.1.14[0m[1;32m
[0m[1;32m[0mINFO [mavlink] partner IP: 127.0.0.1
ERROR [sensors] Accel #0 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 75
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
WARN [ekf2] accel id changed, resetting IMU bias
ERROR [sensors] Accel #1 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #1 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 1: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 1: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
WARN [ekf2] accel id changed, resetting IMU bias
ERROR [sensors] Accel #0 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
ERROR [sensors] Accel #0 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
INFO [ecl/EKF] EKF aligned, (pressure height, IMU buf: 22, OBS buf: 14)
ERROR [sensors] Accel #0 fail: TIMEOUT!

```



```
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
[2K
pxh> shut[2K
pxh> shutd[2K
pxh> shutdoERROR [sensors] Accel #0 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
ERROR [sensors] Accel #0 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
[2K
pxh> shutdownERROR [sensors] Accel #0 fail: TIMEOUT!
ERROR [sensors] Sensor Accel #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Accel #0 priority: 1
WARN [sensors] Remaining sensors after failover event 0: Accel #1 priority: 1
ERROR [sensors] Gyro #0 fail: TIMEOUT!
ERROR [sensors] Sensor Gyro #0 failed. Reconfiguring sensor priorities.
WARN [sensors] Remaining sensors after failover event 0: Gyro #0 priority: 1
[2K
pxh> shutdown
Shutting down
```