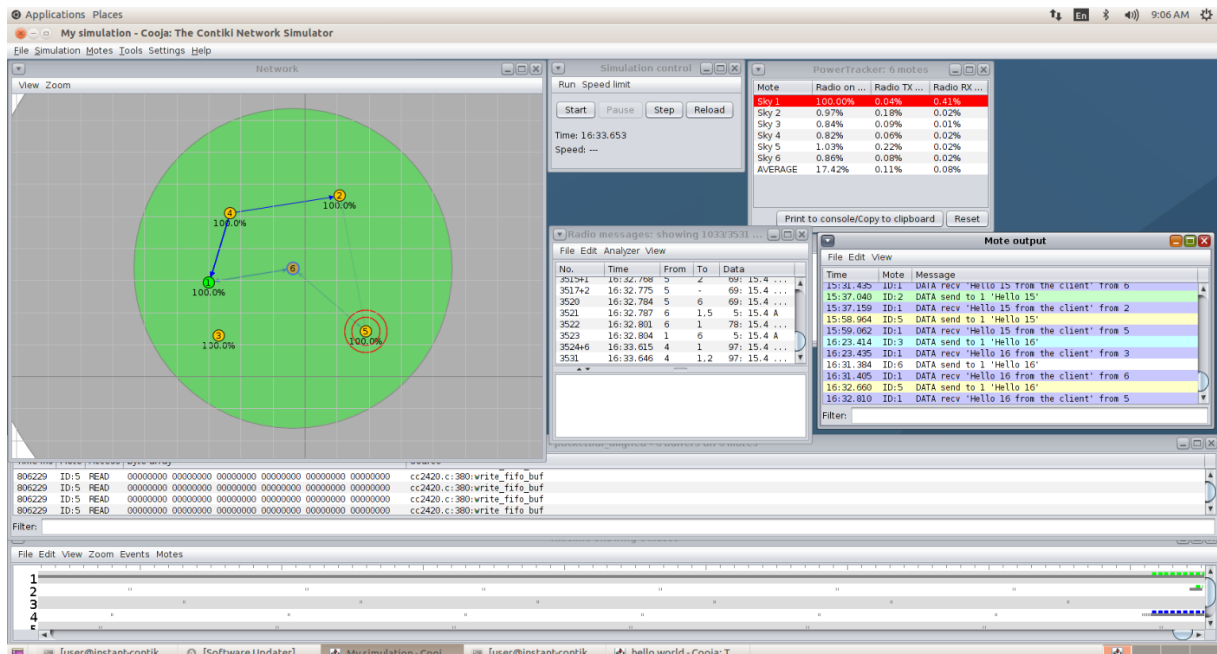


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SRN: PES2UG21CS079

1.Client-Server Program



2.Hello world program

```
hello-world.c (-kontiki/examples/hello-world) - gedit
File Edit View Search Tools Documents Help
Open Save Undo Redo Find
hello-world.c x
*****
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* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* This file is part of the Contiki operating system.
*
*/

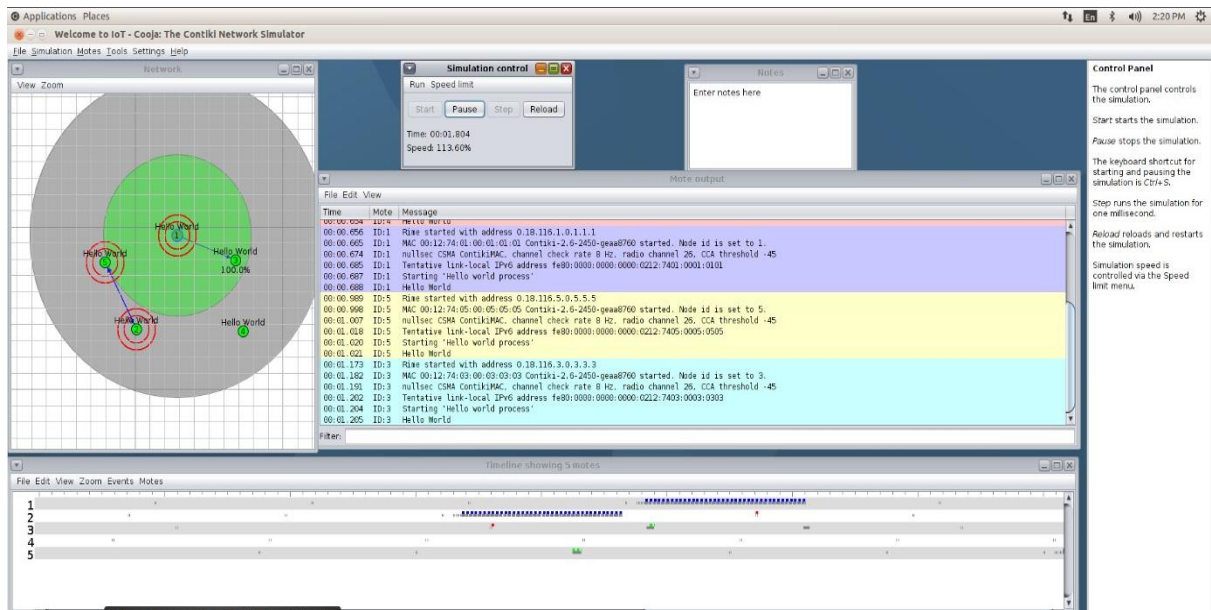
/**
 * \file
 * A very simple Contiki application showing how Contiki programs look
 * \author Adam Dunkels <adams@cs.se>
 */

#include "contiki.h"

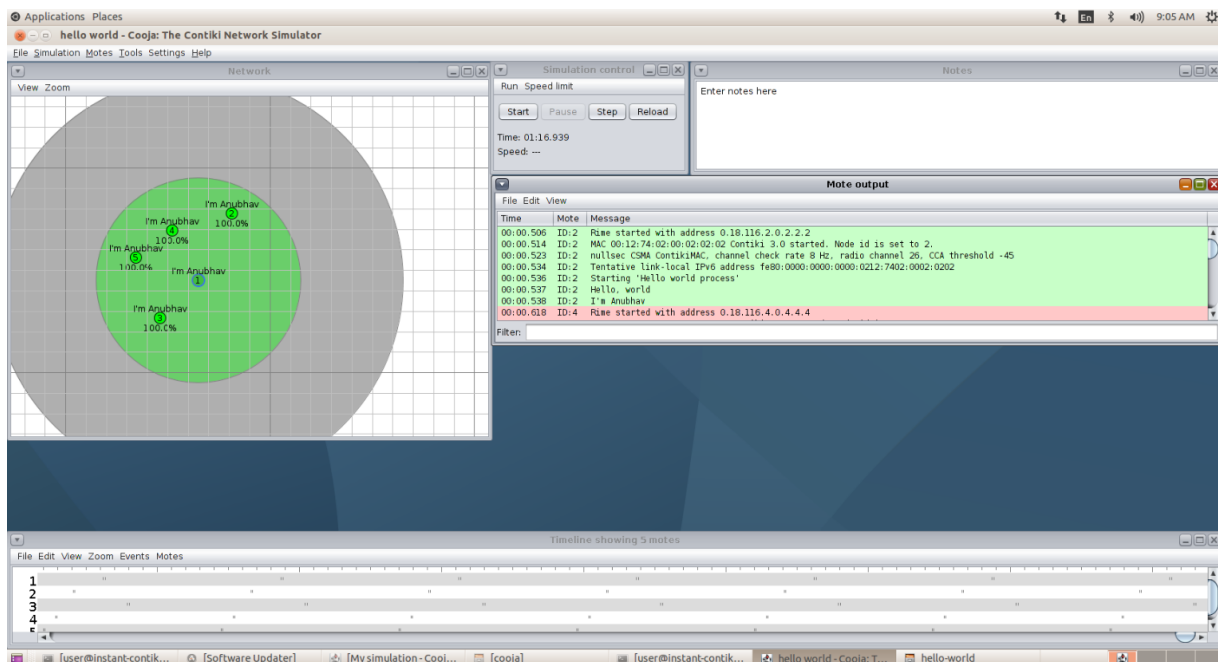
#include <stdio.h> /* For printf() */
/*.....*/
PROCESS(hello_world_process, "Hello world process");
AUTOSTART_PROCESSES(&hello_world_process);
/*.....*/
PROCESS_THREAD(hello_world_process, ev, data)
{
    PROCESS_BEGIN();

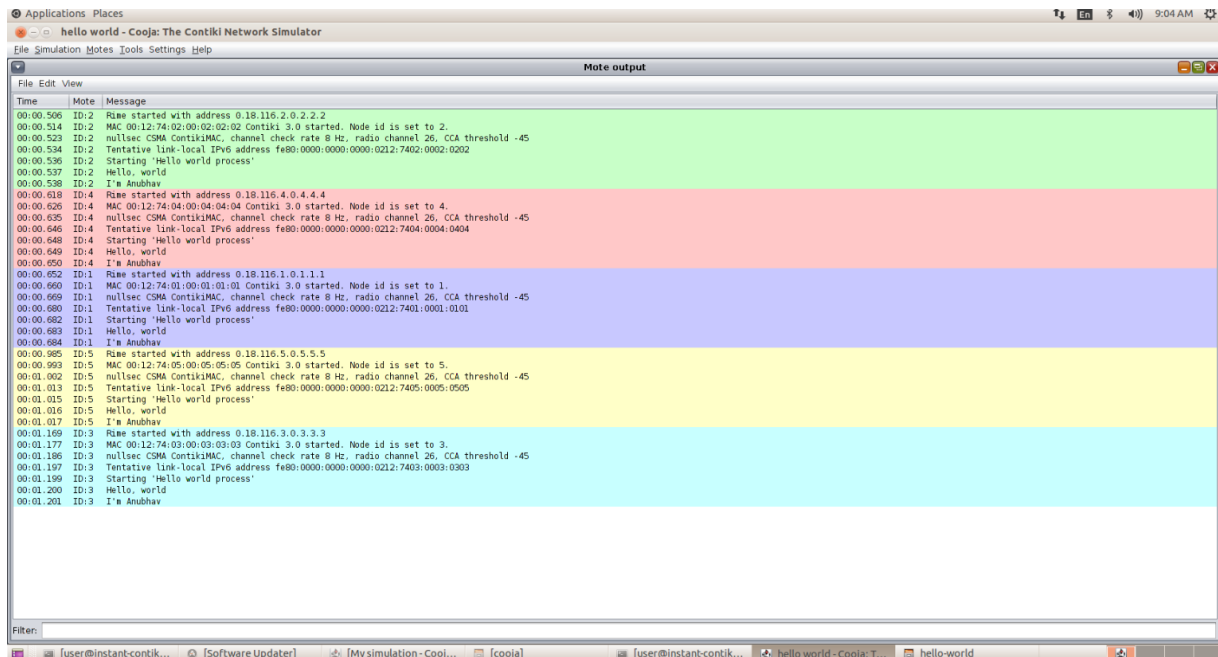
    printf("Hello World\n");

    PROCESS_END();
}
/*.....*/
```

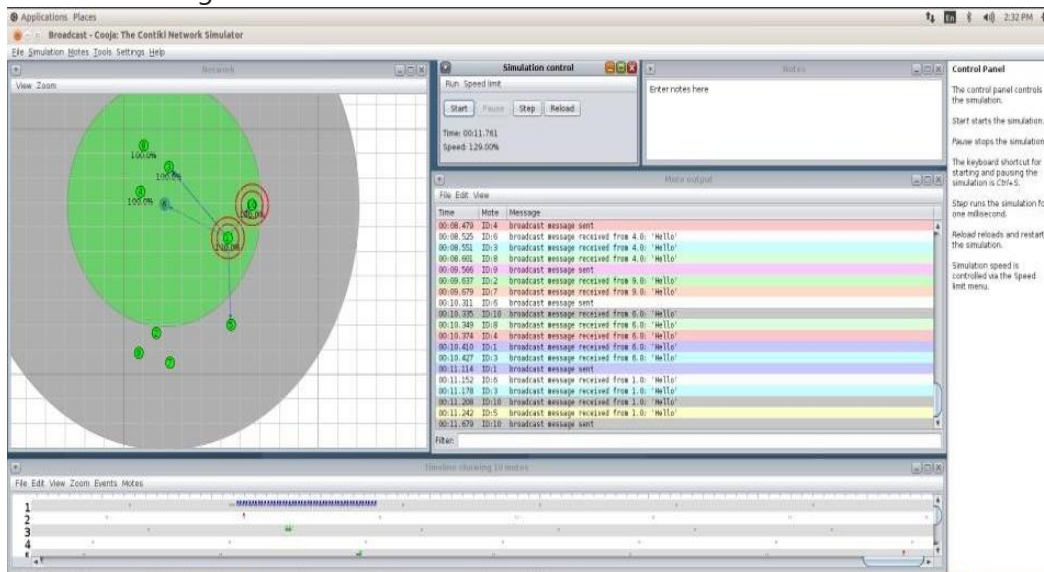


3.Modifying Hello-World.c





4.Broadcast Program



5. Altering sending rate in broadcast program (DOS attack)

```
Applications Places
example-broadcast.c (-/kontiki/examples/rime) - gedit
File Edit View Search Tools Documents Help
Open Save Undo Cut Copy Paste Find
example-broadcast.c x
AUTOSTART_PROCESSES(&example_broadcast_process);
/*-----*/
static void
broadcast_rcv(struct broadcast_conn *c, const linkaddr_t *from)
{
    printf("broadcast message received from %d.%d: '%s'\n",
           from->u8[0], from->u8[1], (char *)packetbuf_dataptr());
}
static const struct broadcast_callbacks broadcast_call = {broadcast_rcv};
static struct broadcast_conn broadcast;
/*-----*/
PROCESS_THREAD(example_broadcast_process, ev, data)
{
    static struct etimer et;

    PROCESS_EXIT_HANDLER(broadcast_close(&broadcast));

    PROCESS_BEGIN();

    broadcast_open(&broadcast, 129, &broadcast_call);

    while(1) {

        /* Delay 2-4 seconds */
        etimer_set(&et, CLOCK_SECOND * 2 + random_rand() % (CLOCK_SECOND * 2));

        PROCESS_WAIT_EVENT_UNTIL(etimer_expired(&et));

        packetbuf_copyfrom("ATTACK", 7);
        broadcast_send(&broadcast);
        printf("broadcast message sent\n");
    }

    PROCESS_END();
}
/*-----*/
hello-world C Tab Width: 8 Ln 72, Col 13 INS
```

