SEMINAR 14 10 MULTIPLEXING

OUR PREVIOUS SERVER SINEFFICIENT IT ONLY HANDLES ONE CLIENT AT A TIME

CAN WEDO





SLOWLORIS PREVENTS US FROM USING THREADS/PROCESSES

EVOLUTION OF I/O MULTIPLEXING IN LINUX

- > SELECT
 - > POLL
- > EPOLL

HOW DO WE ISE EPOLL?

CREATE EPOLL INSTANCE

```
int epoll_create(int size);
int epoll_create1(int flags);
// flags = 0 => equivalent to epoll_create
// flags: EPOLL_CLOEXEC
```

REGISTER FILE DESCRIPTORS

```
typedef union epoll_data {
  void *ptr;
  int fd;
  uint32_t u32;
  uint64_t u64;
} epoll_data_t;
struct epoll_event {
  uint32_t events;
  epoll_data_t data;
};
```

WAIT FOR IO EVENTS

LEVEL-TRIGGERED EDGE-TRIGGERED

#