v-kernel features

* diskless local workstations
* message-oriented

## v kernel interprocess communication

which is synchronized communication with short messages

process: process identifier(pid)

communication: 32 bytes fix-length message, associated reply msg, a data transfer operation

## implementation issues

### processing name - globally unique pid

16bit: logical host identifier

16bit: locally unique identifier

remote access

* remote message implementation
* remote data transfer
* remote segment access e.g. sendwithsegment; receivewithsegment

## network penalty

## kernel performance

## file access

## file server issues

## measurements with the 10Mb Ethenet