## **ONE HOST**

TWO HOSTS

ADD JOB —

TO DECIDE WHICH QUEUE (AND

JOB. [SPLIT NETWORK]

WORKNODE) WILL PROCESS WHAT

ADD JOB-

PROBLEM : CLIENT WILL HAVE JOB SPOOL

QUEUE

QUEUE

JOB SPOOL

SIMPLIST NETWORK SETUP of A SINGLE WORKNODE COMPLETING WORK FROM A QUEUE (JOB SPOOL) VERY MUCH LIKE HOW A NETWORK PRINTER WORKS.

WORKNODE

CONFIG

WORKNODE

ONFIG

#1

NODE

#2

NODE

0R



CONFIGURATION WILL NEED TO BE BOOTSTRAPPED SO THAT THE WORKNODE UNDERSTANDS THE JOBS YOU ARE SPOOLING; HOWEVER THE WORKNODE WILL AUTOMAGICALLY FIND THE QUEUE AND START WORK WITHOUT CONFIGURATION OF THE QUEUE.

ADDING A SECOND HOST (NODE #2) PRESENTS A QUEUING PROBLEM or MORE

ADD JOB —

QUEUE

SLAVE

QUEUE

JOB SPOOL



## THREE HOSTS

SOLVING THE QUEUE PROBLEM FOR MORE THAN 2 HOSTS USING SLAVES IS MORE COMPLEX; INSTEAD WE INTRODUCE A NEW COMPONENT BLACKBOARD. BLACKBOARD INJESTS JOBS VIA THE QUEUE AND PUTS UP EACH JOB FOR WORKERS TO COMPLETE.



WE CAN IMPROVE THIS FURTHER TO INCREASE QUALITY of LIFE FOR THE SYSADMIN BY USING PXE BOOT, GETTING RID OF THE NEED TO INSTALL AN OS AND SOFTWARE FOR EACH NODE.

LOPMENT NEWSLETTER 012018LYHE ANIMATION ¢

