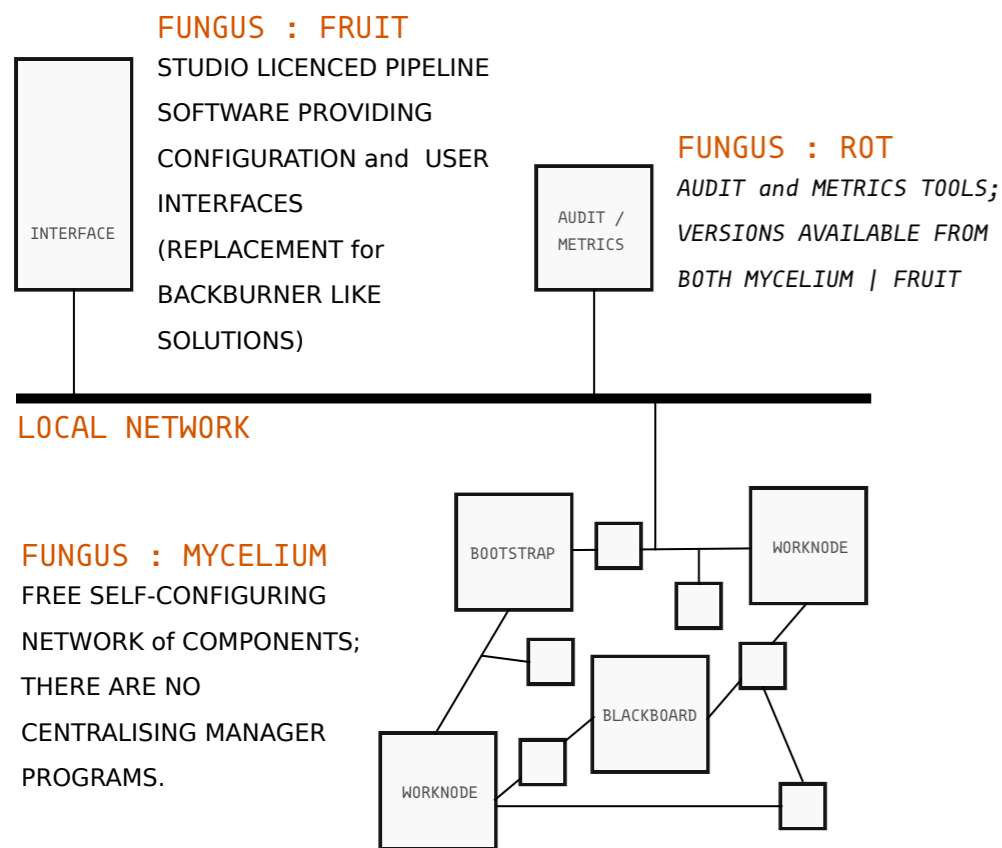


INTRODUCING FUNGUS

-- A RENDERFARM ORCHESTRATION SYSTEM. THERE ARE THREE DISTINCT PRODUCTS THAT MAKE UP FUNGUS :-



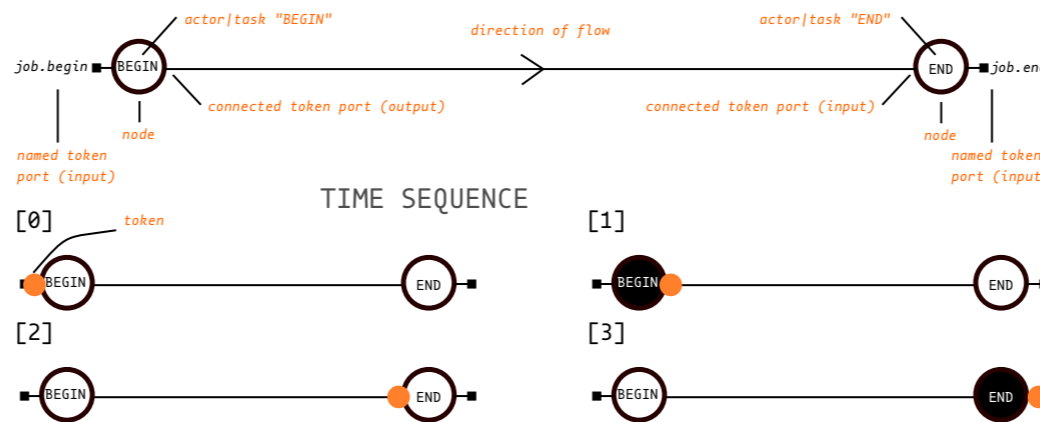
COMPONENTS AVAILABLE :- WORKNODE, STORE, BOOTSTRAP, QUEUE, BLACKBOARD

THE DESIGN of THE SYSTEM is to ALLOW ANY TECHNICALLY ABLE SYSADMIN to CONSTRUCT A RENDERING (ANY TASK ACTUALLY) PIPELINE from THE MYCELIUM AND ROT COMPONENTS; CREATING THEIR OWN INTERFACES and WORKFLOW ON TOP. THIS GIVES THE FLEXIBILITY OF CUSTOM PIPELINES WHILST REMOVING MUCH OF THE CUSTOM WORK REQUIRED TO CREATE SAID PIPELINE.

FRUIT BUILDS MANAGED "CANNED" CONFIGURATIONS ON TOP LIKE MORE TRADITIONAL SYSTEMS.

JOBS WITH DATAFLOW :-

WE CAN DESCRIBE COMPLEX JOB INTERACTIONS, SUCH AS MULTI-PASS RENDERING USING ONE OR MANY DATAFLOW ENGINES; WHERE A DATAFLOW ENGINE IS SIMPLY A COLLECTION OF WORK POINTS (OR NODES) THAT REQUIRE INPUT TOKENS TO RUN AND WILL GENERATE OUTPUT TOKENS -- THUS FEEDING INTO OTHER NODES.



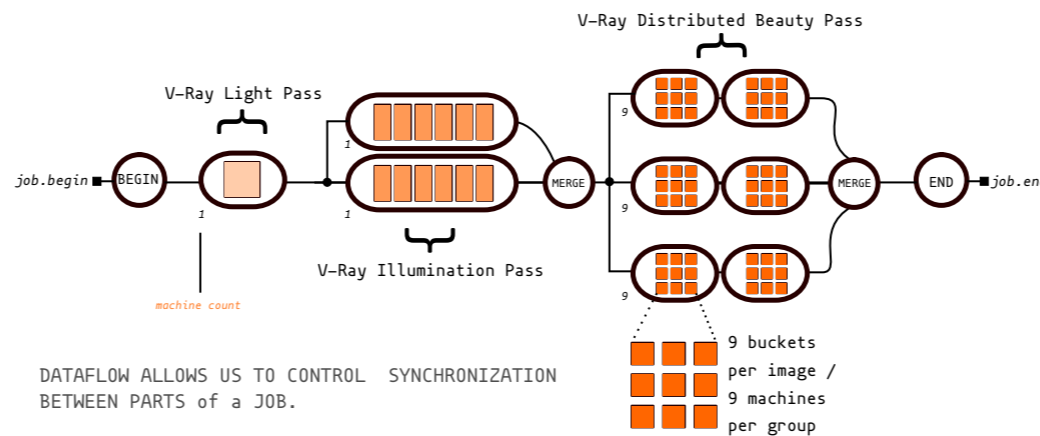
BECAUSE JOBS CAN BE COMPLEX AND DEMANDING WE NEED A FLEXIBLE BUT CONCISE WAY TO DESCRIBE THEM TO OUR RENDERING PIPELINES.

FUNGUS WILL PROVIDE A NUMBER OF JOB LANGAUGES TO ACHIEVE THIS, RANGING FROM TRUE PROGRAMMING LANGUAGES TO NATURAL ENGLISH LIKE LANGUAGES (SEE RIGHT) TO DESCRIBE JOBS.

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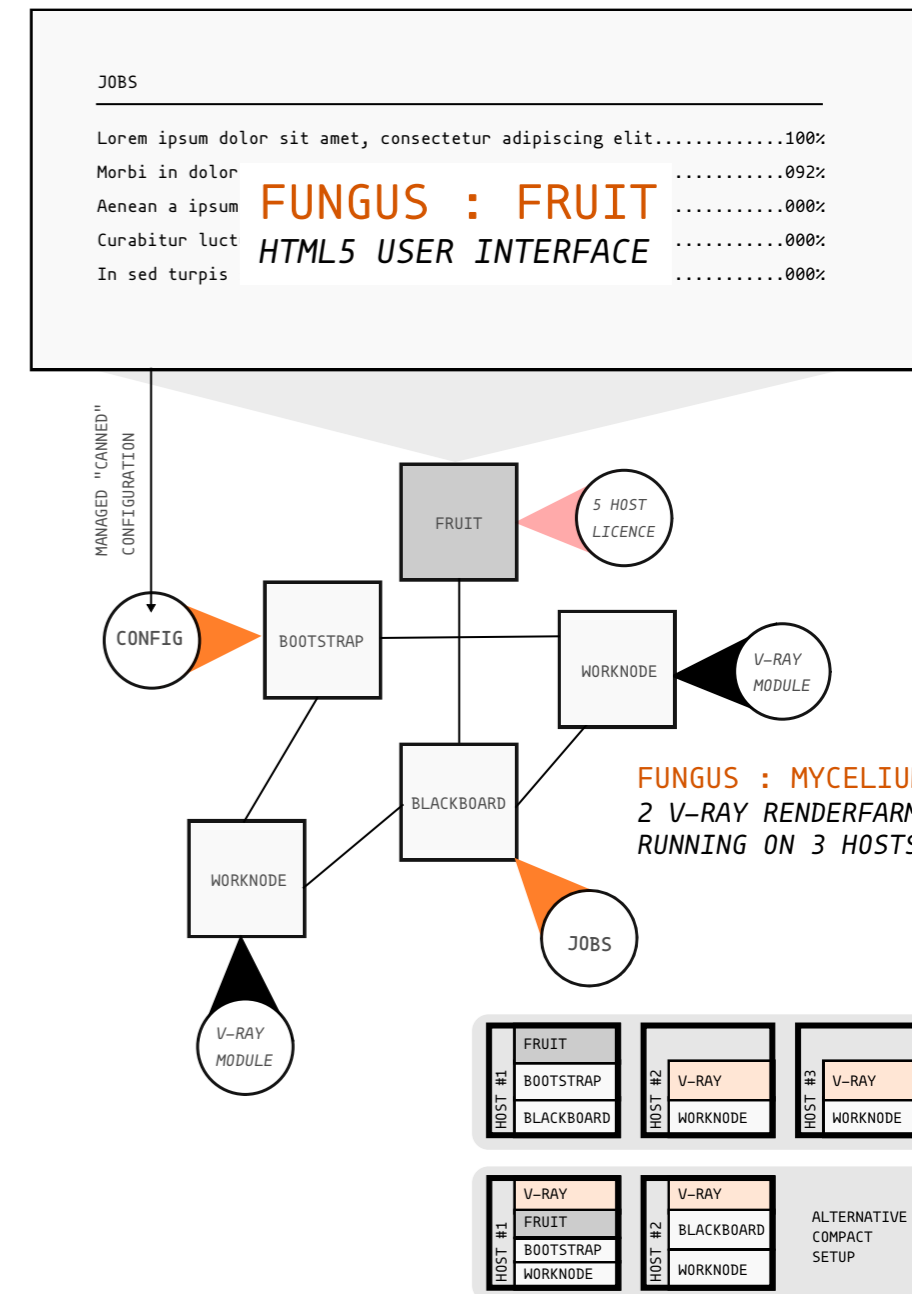
Natural Language :-
task "job"
with module v-ray
run "light pass" on 1 node then
run "illumination pass" on 2 nodes then
range frames 1-50
range frames 51-100
run "beauty pass" on 3 groups of 9 nodes
using distributed rendering
range frames 1-40
sample every 5th frame
range frames 41-75
sample every 10th frame
resize to 640x480
range frames 76-100
with modules email and metrics
run metrics every hour then
create pdf folio from samples and metrics then
email to "alice@example.org"
run metrics when "job.end" then
create pdf folio from samples and metrics then
email to "alice@example.org"
email to "fred@example.org"

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DATAFLOW ALLOWS US TO CONTROL SYNCHRONIZATION BETWEEN PARTS of a JOB.

EXAMPLE :-



PRICING & LICENCING

FUNGUS : FRUIT in its VARIOUS FORMS WILL BE LICENCED PER STUDIO PER NUMBER of HOSTS PER YEAR. HERE ARE SOME TENTATIVE EXAMPLE PRICE POINTS :-

5 HOSTS.....	£100 /pa
10 HOSTS.....	£180 /pa
20 HOSTS.....	£340 /pa
50 HOSTS.....	£840 /pa
100 HOSTS.....	£1660 /pa

* A HOST IS A SINGLE COMPUTER OS THAT MIGHT CONTAIN ANY NUMBER OF MYCELIUM COMPONENTS