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INFRASTRUCTURE TESTS WITH NIXOS

WHO ?

**LABORATOIRE
D'INFORMATIQUE DE
GRENOBLE (LIG)**

Tutor: Olivier Richard

WHAT ?

NIX

*A programming language to
install and configure softwares*

NIXOS

*An operating system based on
GNU/Linux and Nix*

WHY ?

REPRODUCIBILITY

*NixOS starts with a configuration
file which allows it to always have
the same behavior on any
machine*

TRANSPARENCY

*The configuration file makes it
possible to explicitly know what is
installed on the system*

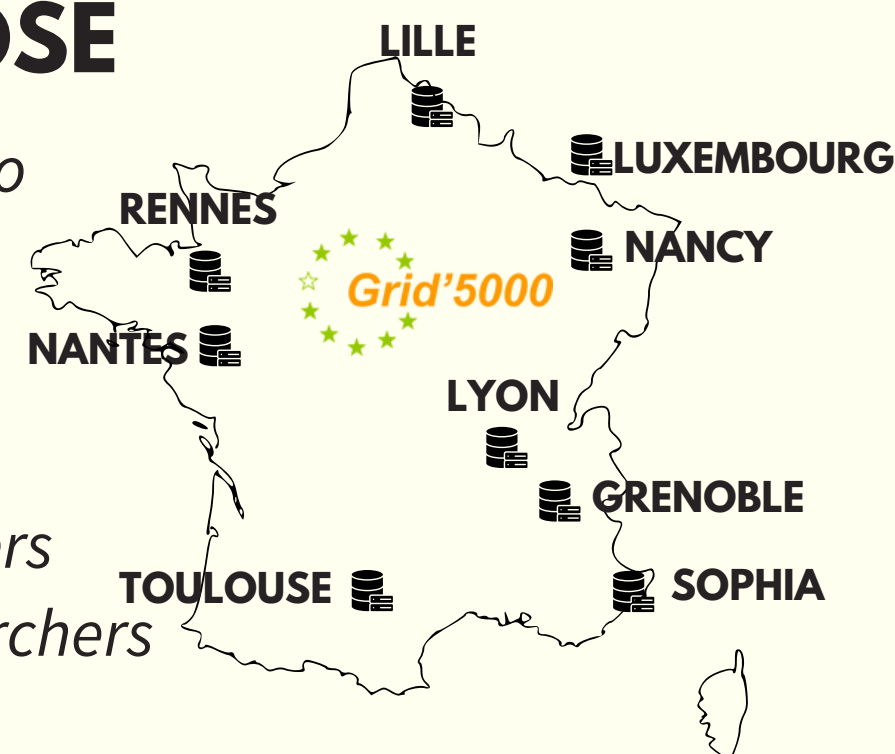
HOW ?

NIXOS-COMPOSE

*A tool developed at LIG to
create NixOS systems*

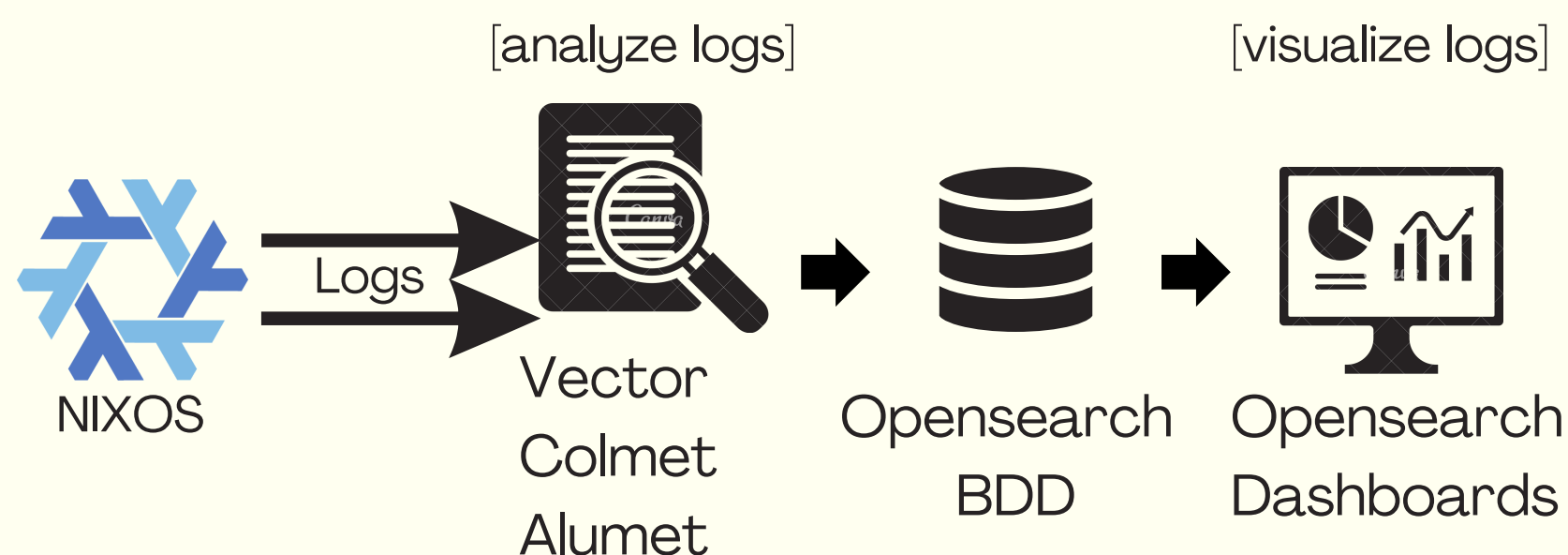
GRID'5000

*Multiple clusters of servers
used by European researchers
for large-scale testing*



GOALS

OPENSEARCH



K3S

