CMDBuild® DAY 2018

welcome

WE WILL INSTANTLY CLICK

20 NOVEMBER 2018

TECNOTECA

Web solutions open source

DAVIDE IMBRIACO

Back-end engineer - TECNOTECA srl

CMDBuild 3 core

CMDBuild® 3

PostgreSQL

Java™

JGroups

Apache Tomcat

PostGIS

spring

Apache Commons™
http://commons.apache.org/

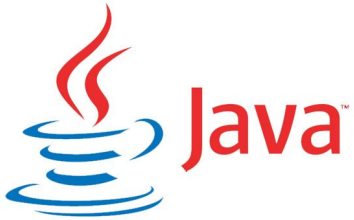
GUAVA

ubuntu®

DATABASE - POSTGRESQL 9.5/10.6

- stable and reliable;
- object oriented;
- powerful features;
- gis support;
- nosql and json;
- row level security;
- great performance;

PLATFORM - JAVA 8



- enterprise choice;
- modern features;
- long term support;
- standard, open source frameworks;

ENVIRONMENT - APACHE TOMCAT 8.5

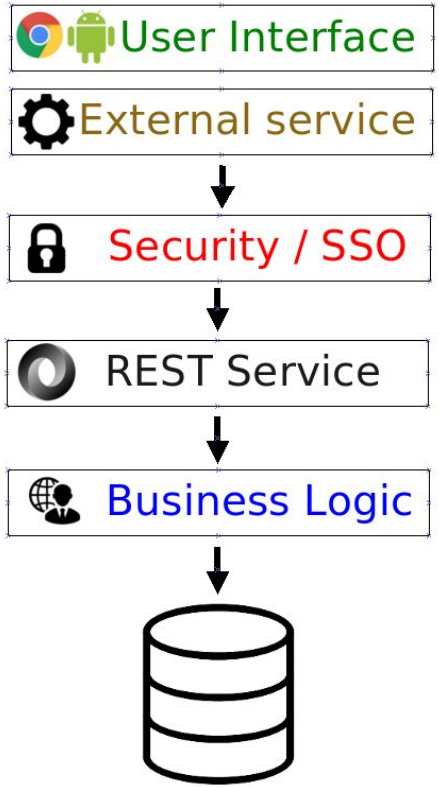
ubuntu

- stable, fast, secure;
- standard java web app: run on most Application Servers;

this is nice but… WHAT'S NEW?

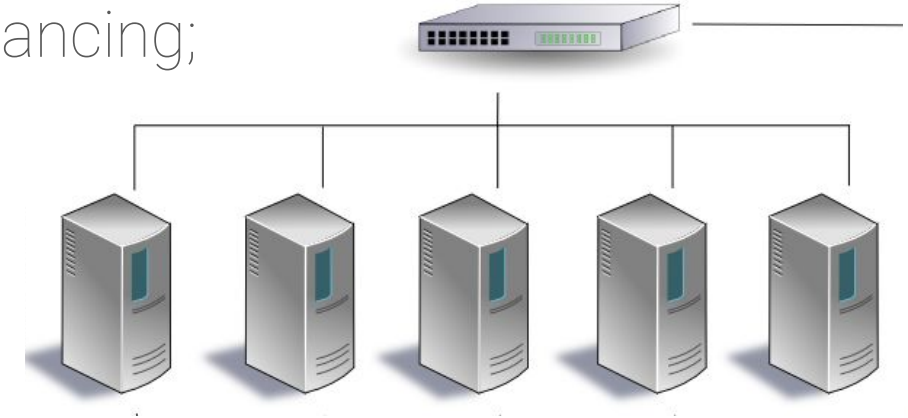
NEW ARCHITECTURE

- multi tier REST architecture;
- central cache management - cluster ready;
- improved security;
- request tracking - great auditing capabilities, debug and on-line usage analytics;



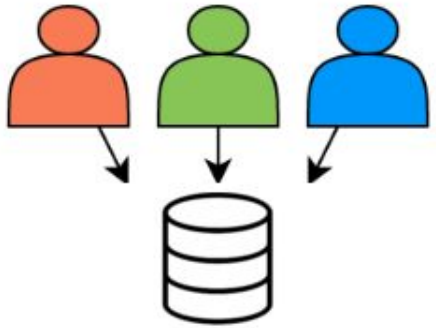
CLUSTERING AND SCALABILITY

- new architecture designed for **clustering**;
- great horizontal scalability;
- load spreading and balancing;
- high availability;
- fault tolerance;



MULTI TENANCY

- single database - multiple tenants;
- for complex organizations;
- share deployments in the cloud;
- works with current permission model: horizontal partitioning and vertical authorization;



IMPROVED WORKFLOW

- embedded engine;
- realtime performance;
- xpdl based;
- integrated with cmdbuild api;

… AND MUCH MORE!

QUALITY

- automatic test framework;
- continuous integration;
- high code quality standards;
- improved error tracking;
- multi platform testing;

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Thank you!