# Welcome To The Project

## Setup Web Application Stack

# VPROFILE PROJECT SETUP [LOCAL]

# About The Project

Multi Tier Web Application Stack

Setup on Laptop/Desktop

Baseline for Upcoming Projects

Helps you setup any project locally

# SCENARIO

Working in a project.

Varieties of services that powers your project runtime.

RunBook / Setup document

# PROBLEM

Not Comfortable in making changes in real servers.

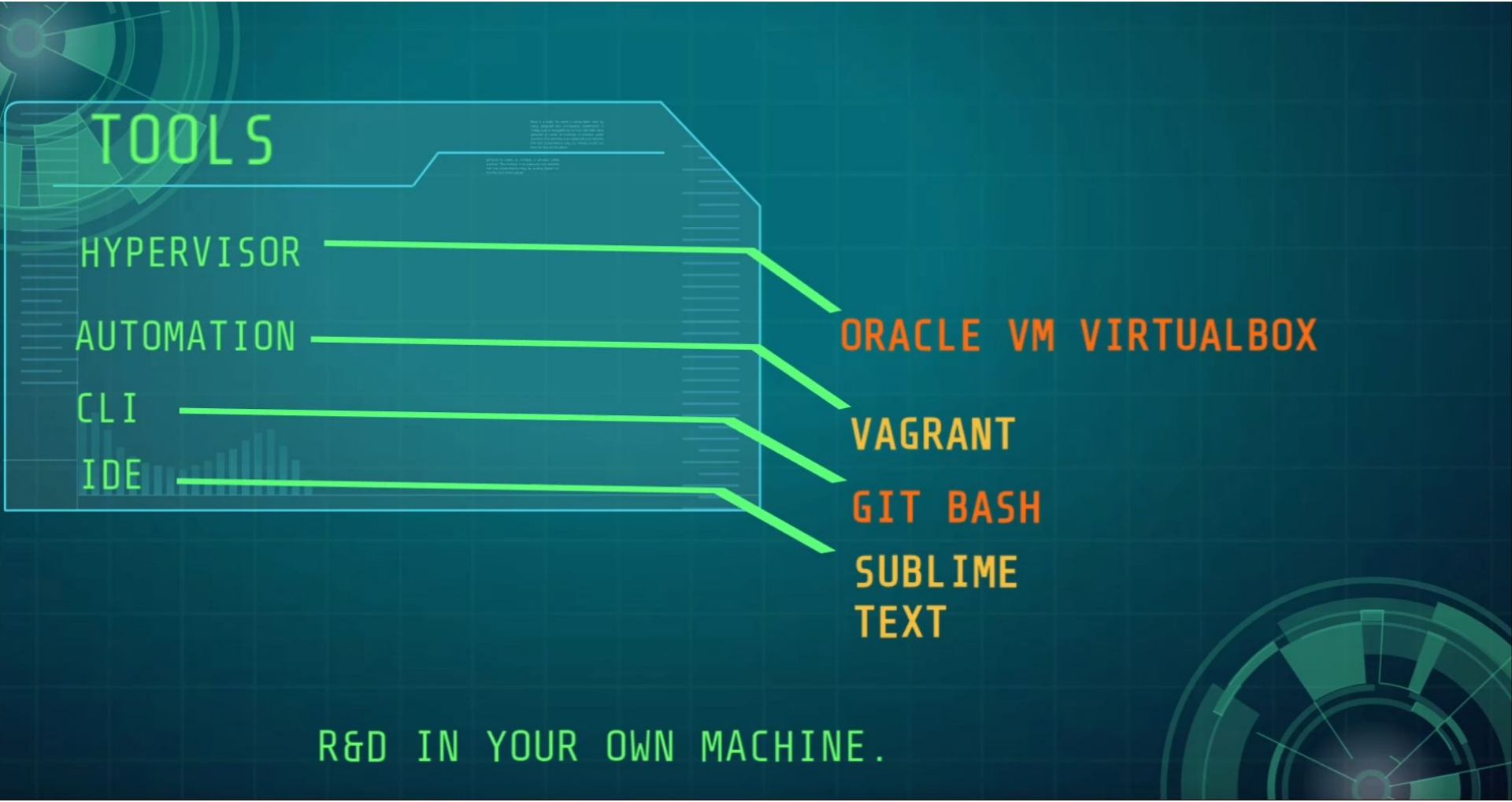
Local setup is complex

Time consuming

Not repeatable

# SOLUTION

R&D IN YOUR OWN MACHINE.


TOOLS
HYPERVISOR
AUTOMATION
CLI
IDE
ORACLE VM VIRTUALBOX
VAGRANT
GIT BASH
SUBLIME TEXT
R&D IN YOUR OWN MACHINE.

# OBJECTIVE

VM AUTOMATION LOCALLY

BASELINE FOR UPCOMING PROJECTS

REAL WORLD PROJECT SETUP LOCALLY
[FOR R & D]

# VPROFILE PROJECT

## ARCHITECTURE OF PROJECT SERVICES

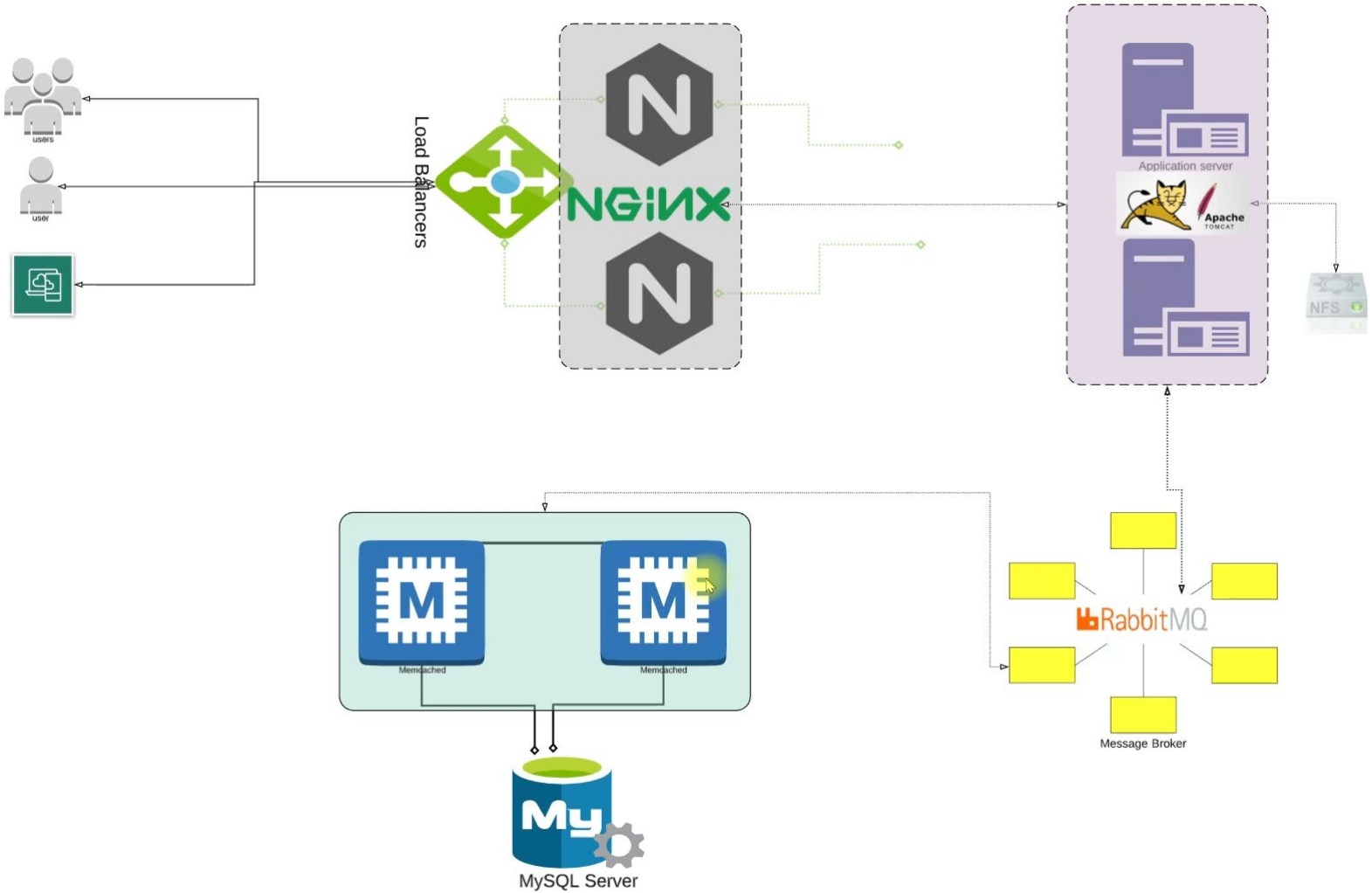
- NGINX
- TOMCAT
- RABBITMQ
- MEMCACHED
- MYSQL

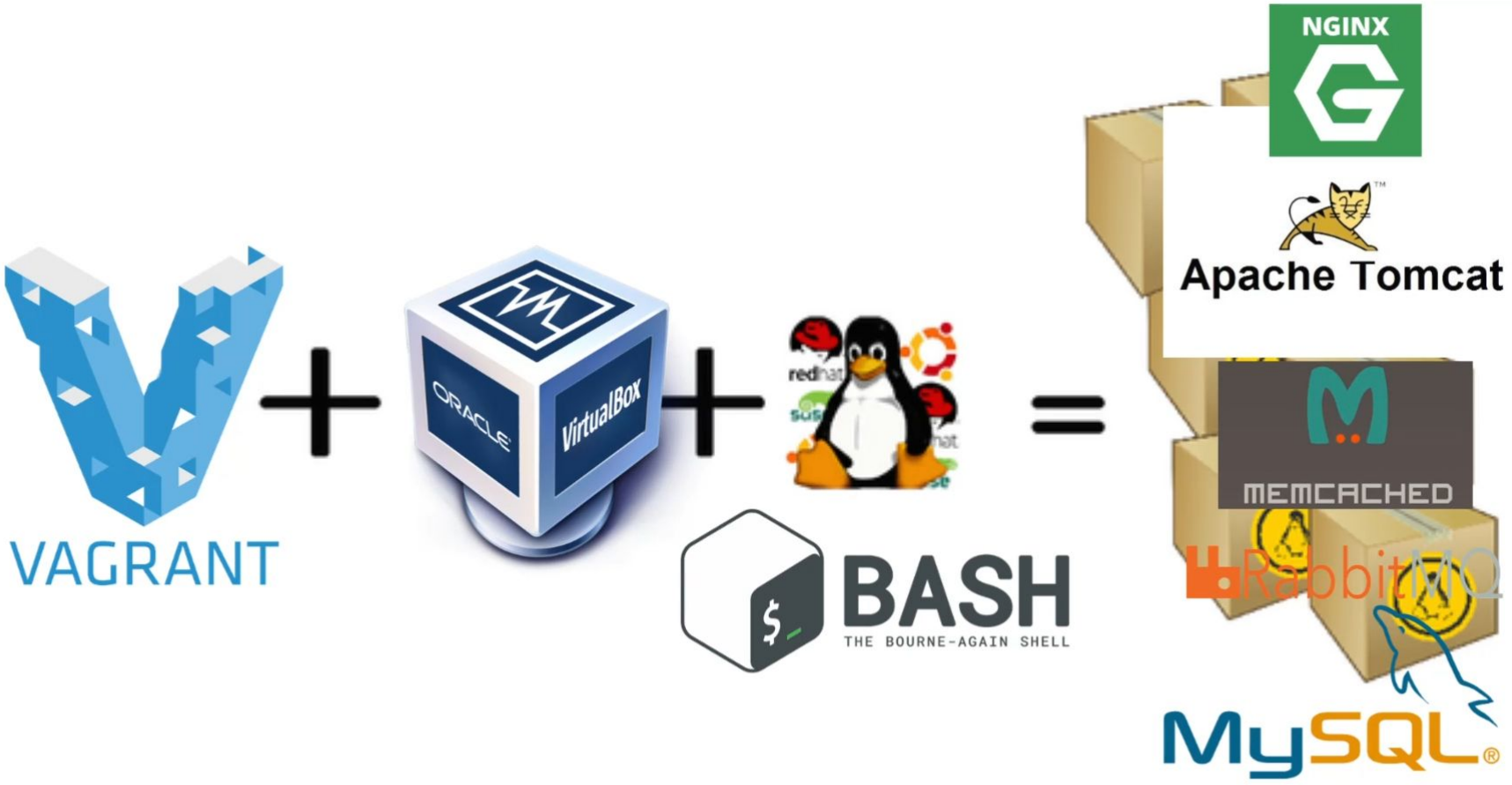
# ARCHITECTURE OF AUTOMATED SETUP

VAGRANT

VIRTUALBOX

GITBASH


users
user
Load Balancers
NGINX
Application server
Apache
TOMCAT
NFS
Memcached
Memcached
RabbitMQ
Message Broker
MySQL Server


VAGRANT
ORACLE
VirtualBox
BASH
THE BOURNE-AGAIN SHELL
NGINX
Apache Tomcat
MEMCACHED
RabbitMQ
MySQL

# FLOW OF EXECUTION

1. Setup tools mentioned in Prerequisite Video
2. Clone source code
3. cd into the vagrant dir
4. Bring up Vm's
5. Validate
6. Setup All the services
    a. Mysql
    b. Memcached
    c. Rabbit MQ
    d. Tomcat
    e. Nginx
    f. App Build & Deploy
7. Verify from browser