ContainerSolutions

From development to production in 5 minutes: is your company ready?

by Carlos León
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Pre-flight Checks

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- Computers

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- Computers
- Virtualization

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- Container technologies

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- CICD

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- Virtualization
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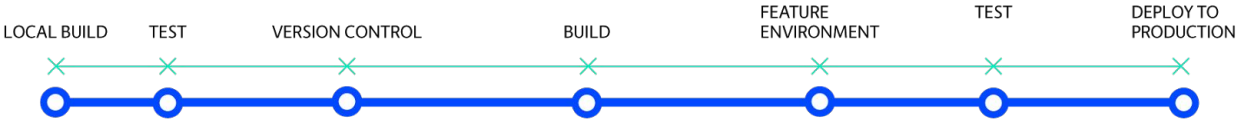
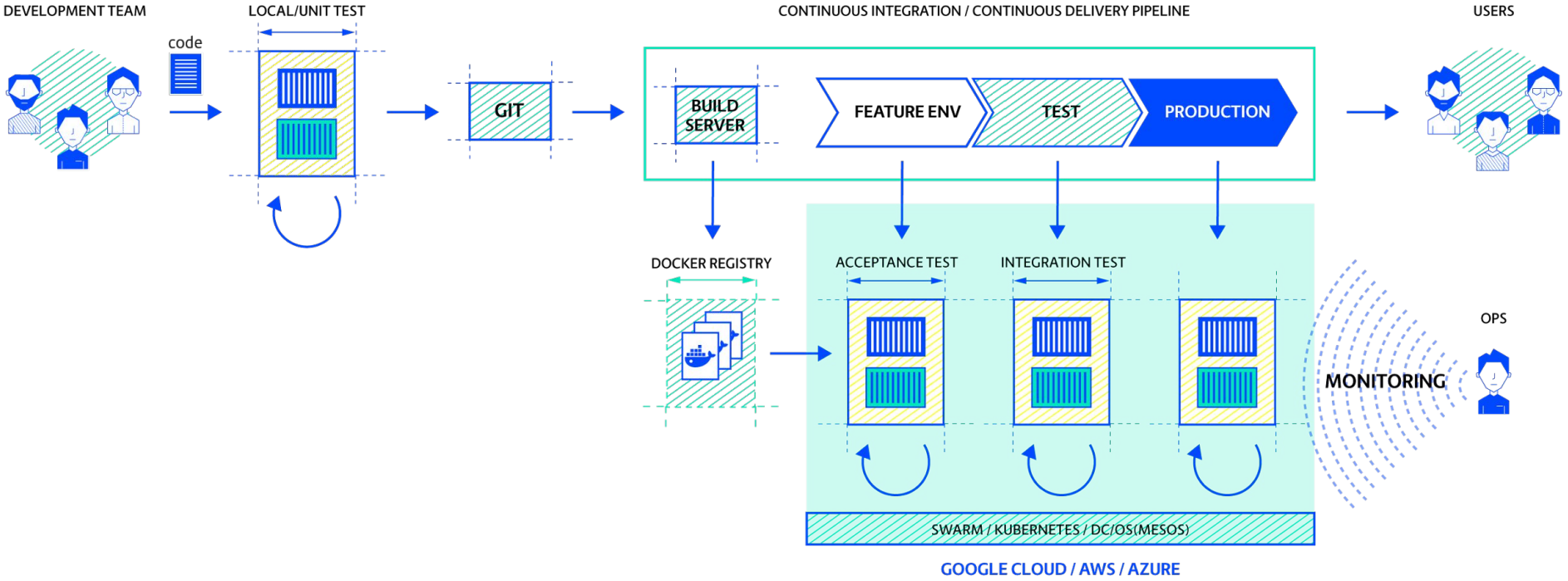
- CICD
- Programmable Infrastructure

Story Time

The Workaholic NSA by herval / CC BY 2.0


LOCAL BUILD
TEST
VERSION CONTROL
BUILD
FEATURE ENVIRONMENT
TEST
DEPLOY TO PRODUCTION


DEVELOPMENT TEAM
code
LOCAL/UNIT TEST
GIT
CONTINUOUS INTEGRATION / CONTINUOUS DELIVERY PIPELINE
BUILD SERVER
FEATURE ENV
TEST
PRODUCTION
USERS
DOCKER REGISTRY
ACCEPTANCE TEST
INTEGRATION TEST
OPS
MONITORING
SWARM / KUBERNETES / DC/OS(MESOS)
GOOGLE CLOUD / AWS / AZURE

The Real Story

Strategy

Strategy (from Greek στρατηγία stratēgia, "art of troop leader; office of general, command, generalship") is a **high level plan to achieve** one or more **goals under conditions of uncertainty.**

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- Create a DevOps team
- Containerise every single application with the aid of the DevOps team
- Have the DevOps team create a CICD pipeline for all of the applications
- Have the DevOps team create a programmable infrastructure
- Deploy all the applications in the new infrastructure
- Profit

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The Ugly

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  - DevOps

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  - DevOps
  - CICD
  - PI

Diagnose

Myopia a.k.a. shortsightedness

Change Is Difficult

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- Unknown

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- Challenging

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- Challenging
- Uncertain

Change Is Difficult

- Unknown
- Challenging
- Uncertain
- Unpopular

Cultural Change is Even Harder

EL LIBERTADOR

A Strategy For Success

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- Choose your allies

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- Build the right team

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- Choose your allies
- Build the right team
- Chose the right project

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- Small iterations

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A Strategy For Success

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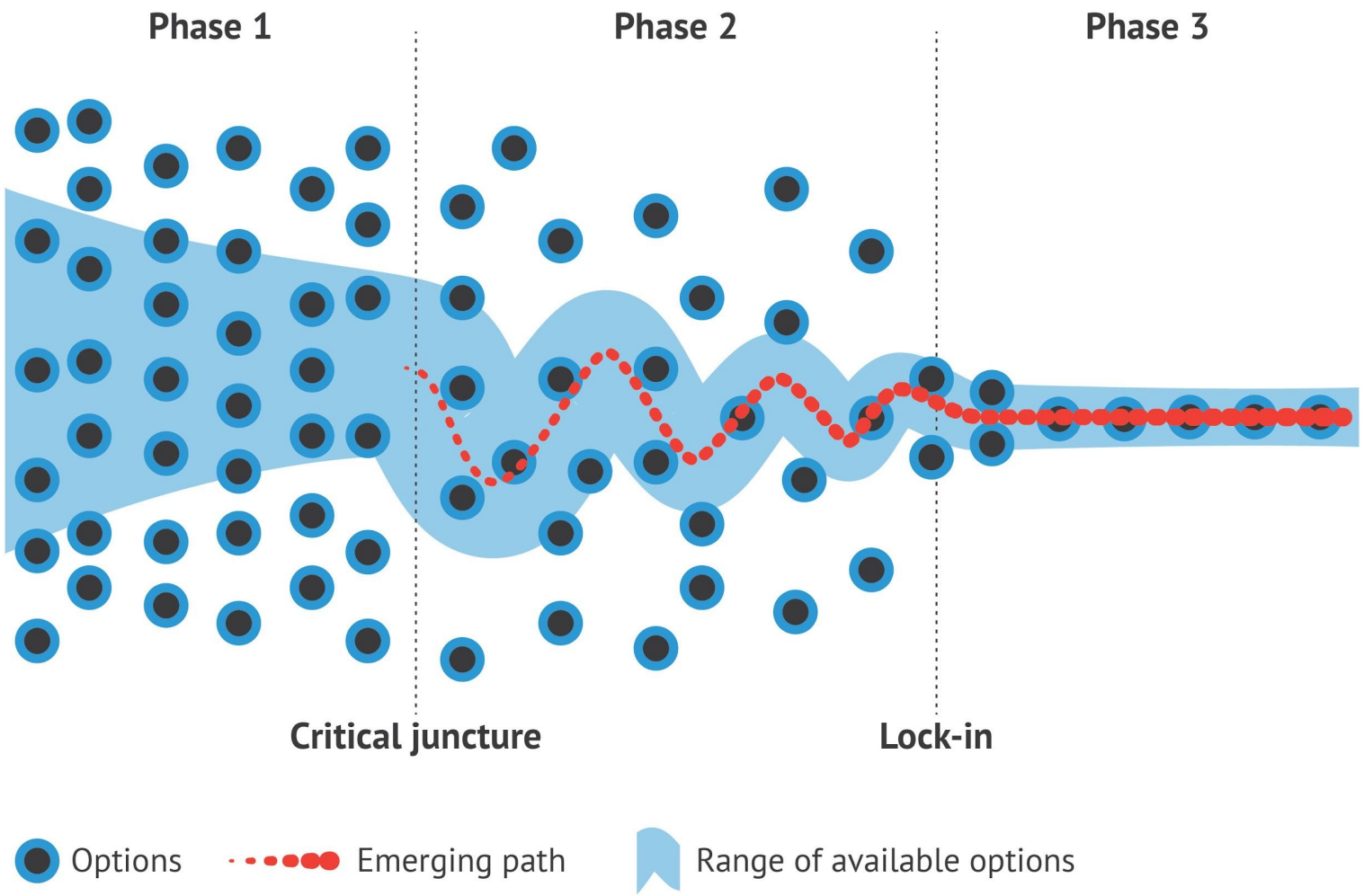
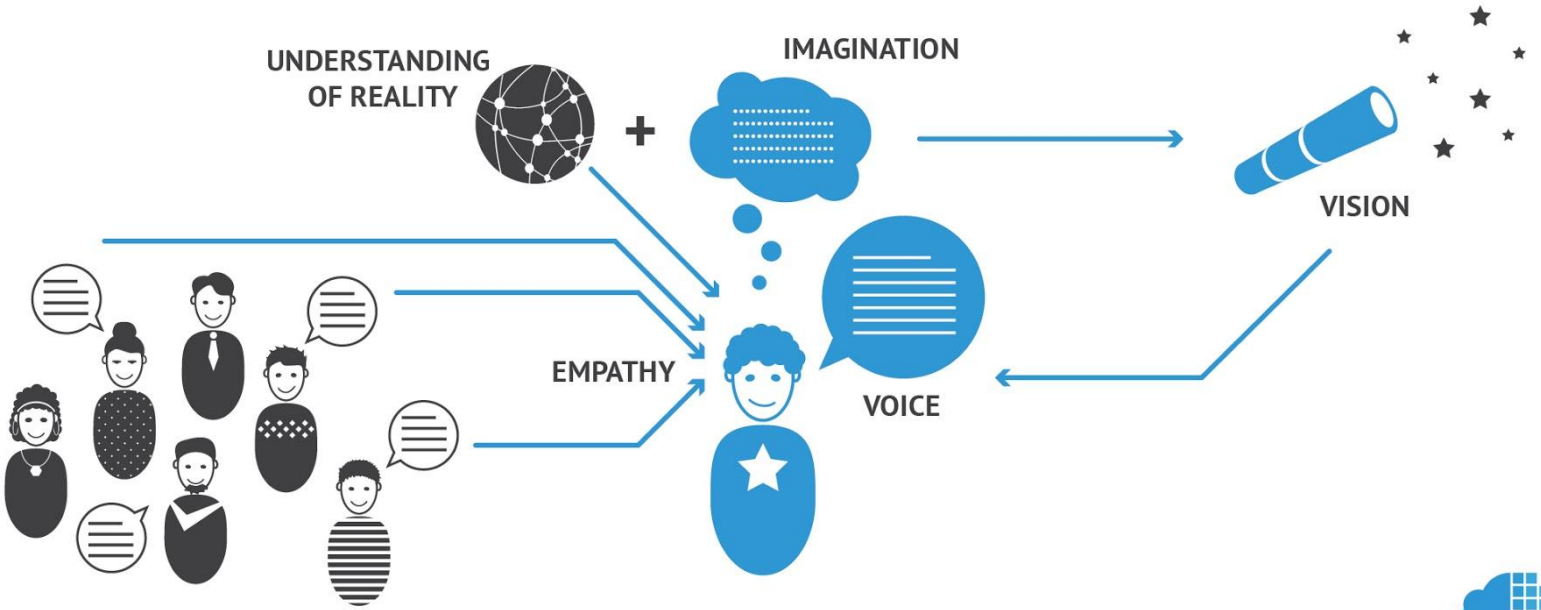
- Build the right team
- Chose the right project
- Small iterations
- Embrace failure
- Be ready for the inception
- Seek professional help


Phase 1
Phase 2
Phase 3
Critical juncture
Lock-in
Options
Emerging path
Range of available options

Leadership

THE STRATEGIST



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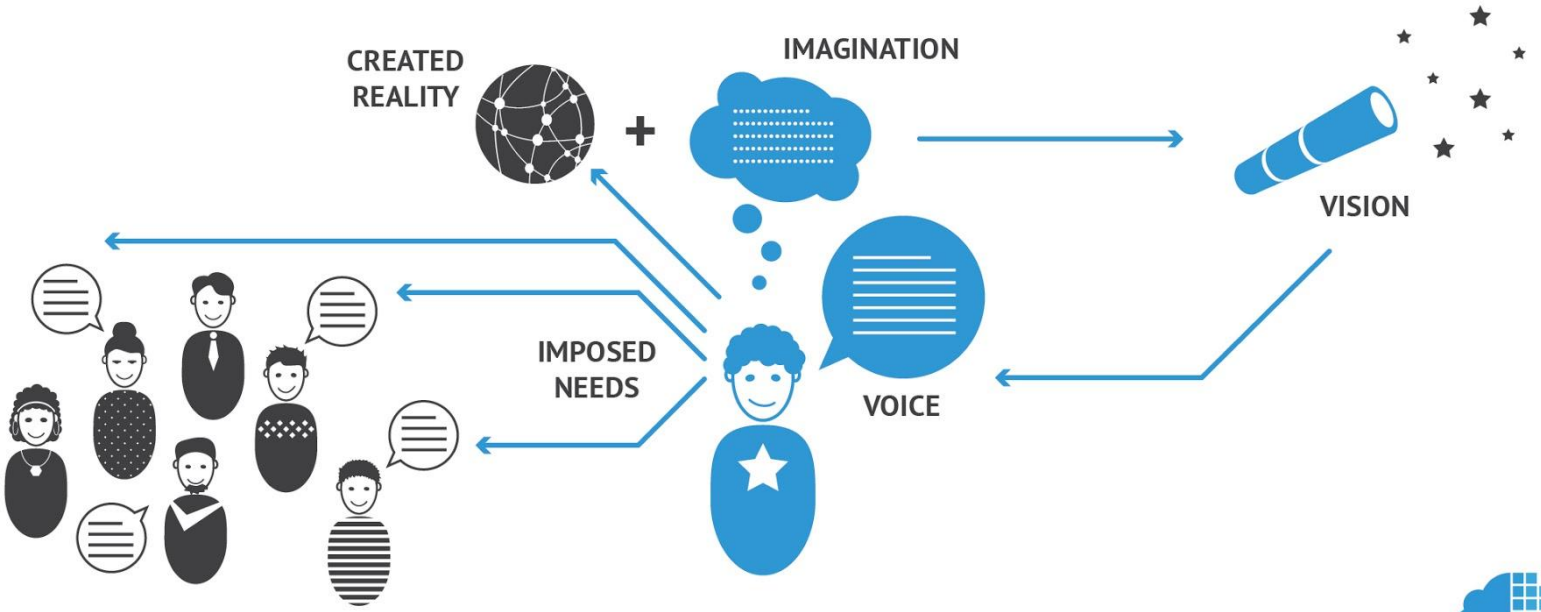
THE PROJECTIONIST



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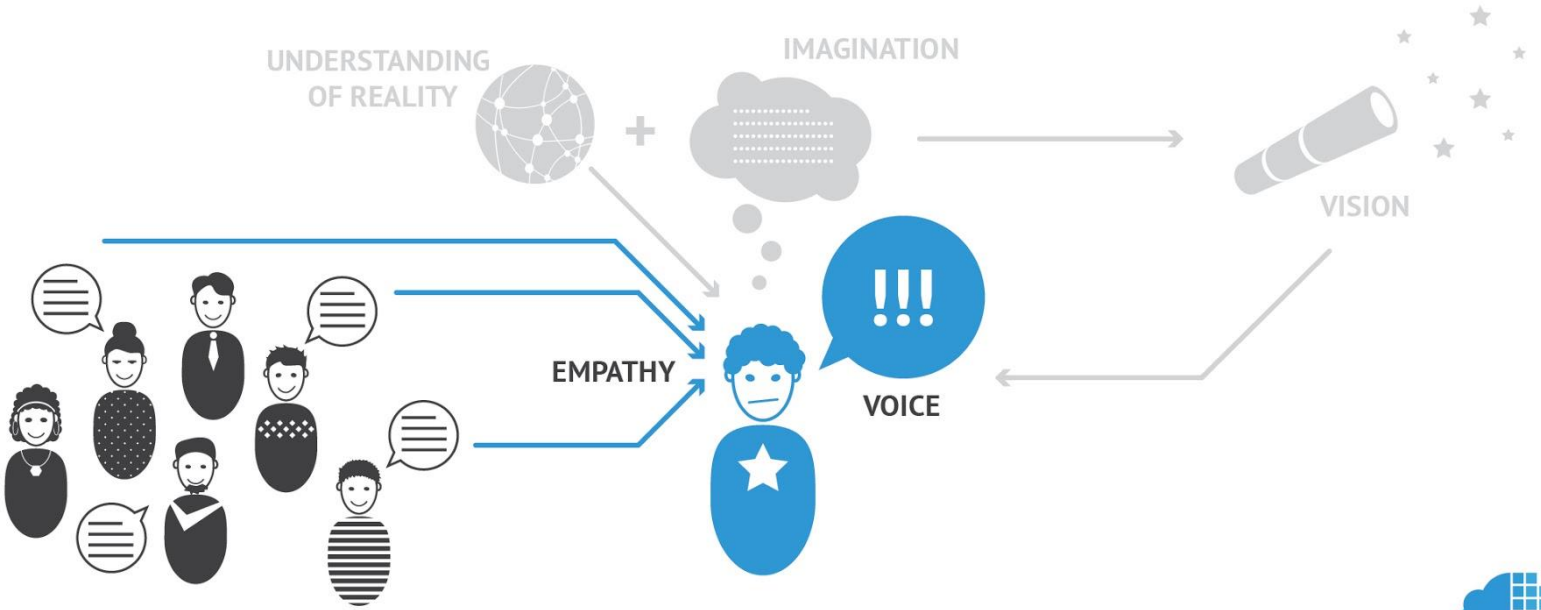
THE ANGRY ENGINEER



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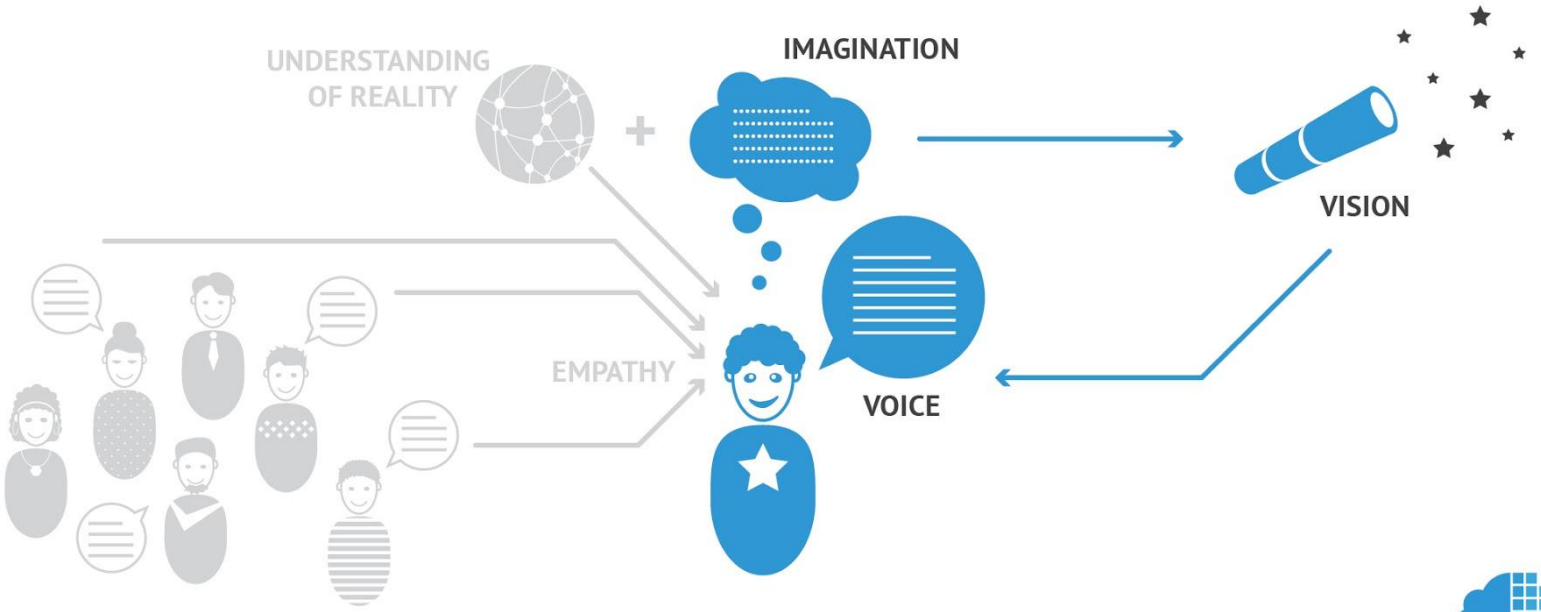
THE FANTASIST



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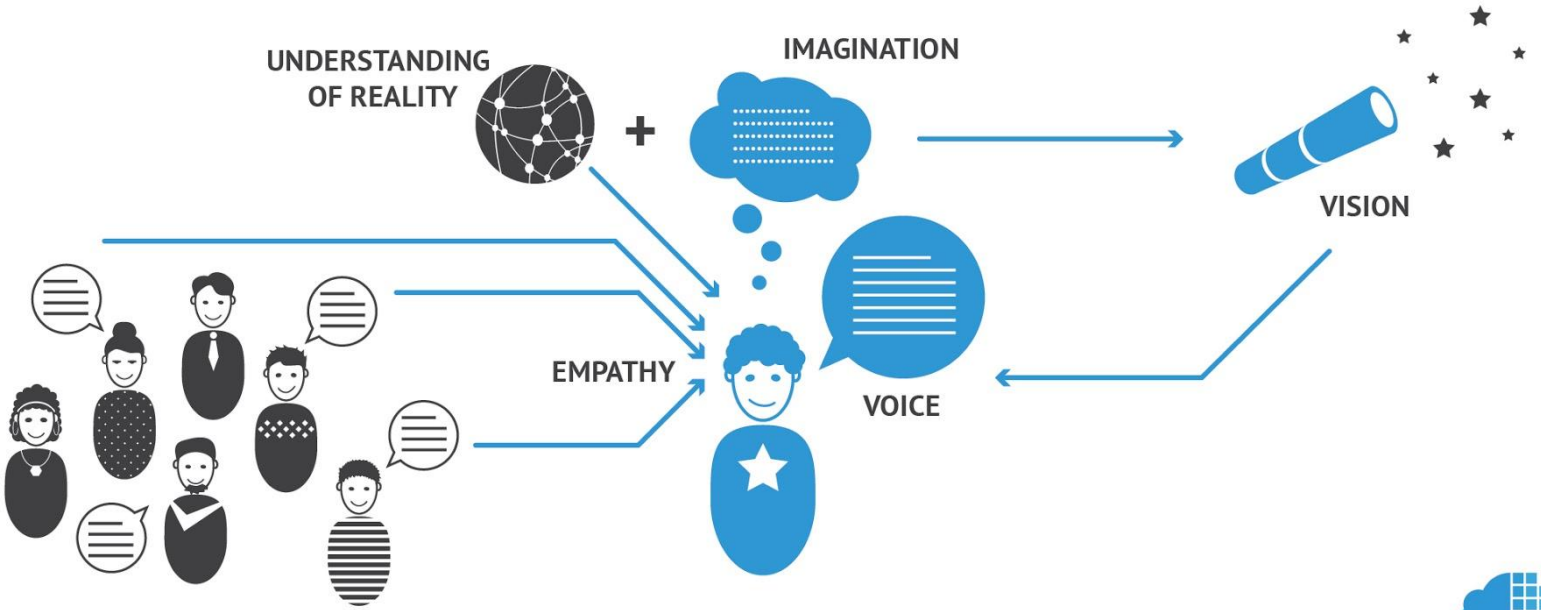

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Thank you