



DOGMA SUCKS

Do not seek to follow
in the footsteps of the wise.
Seek what they sought.

Matsuo Basho

The logo consists of a white hexagon with rounded corners, containing the word "hive" in a lowercase, sans-serif font.

hive



NEWSFLASH



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**Everyone's job is to
help the business !**

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New Mindset





Thrive on change
Don't build castles



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Continuous Integration
Test Driven delivery
and SCRUM

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Throw away & Redeploy
Assume we will throw
away and rebuild

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Measurement
Make things predictable



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Delivery Strategies





Software delivery has changed a lot
and continues to change quickly.

- Enterprise Software
is NEVER Shrink Wrap.

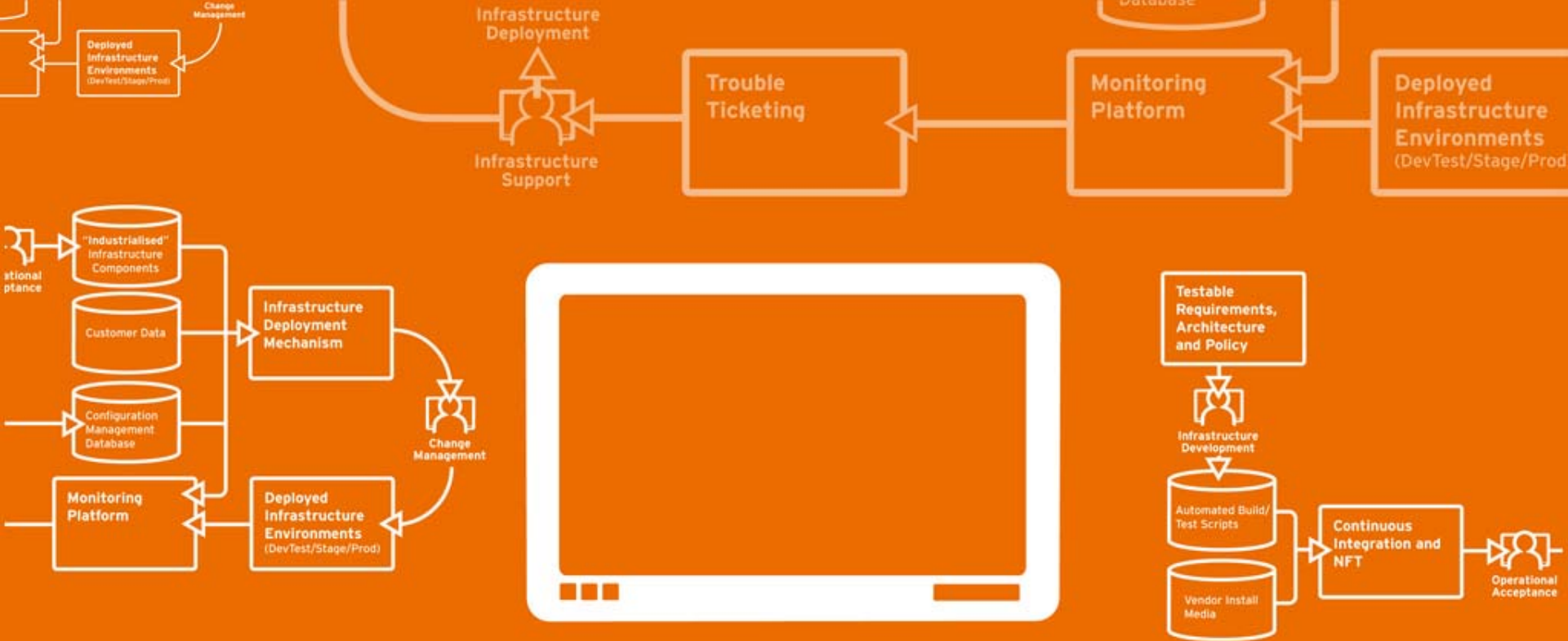
- Desktop Software
is ending being shrink wrap. 



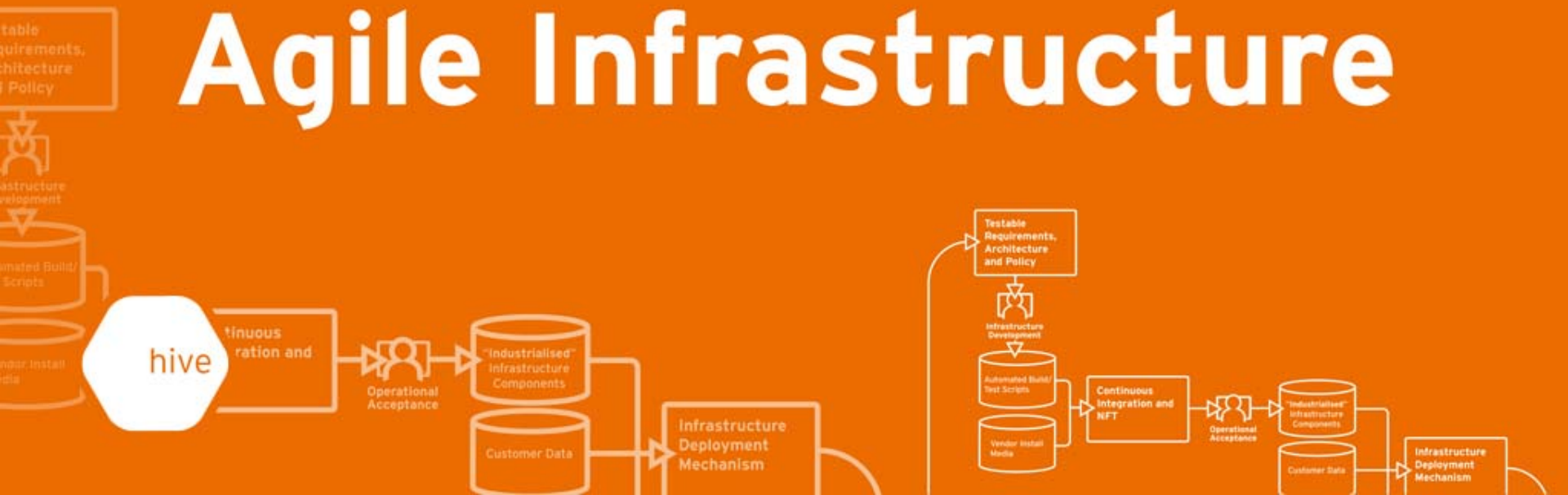
Infrastructure
is just another Application.

- Wall of confusion between
developers and operations. 

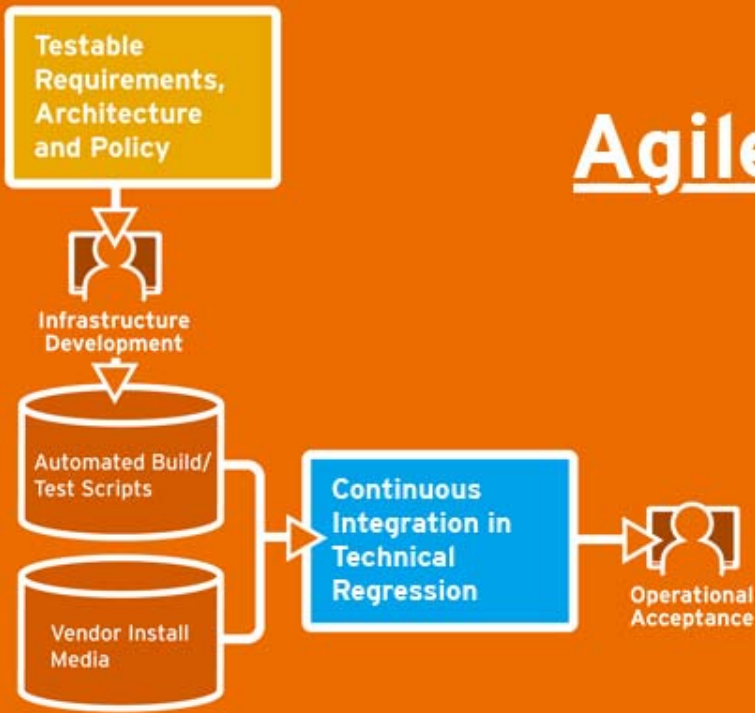
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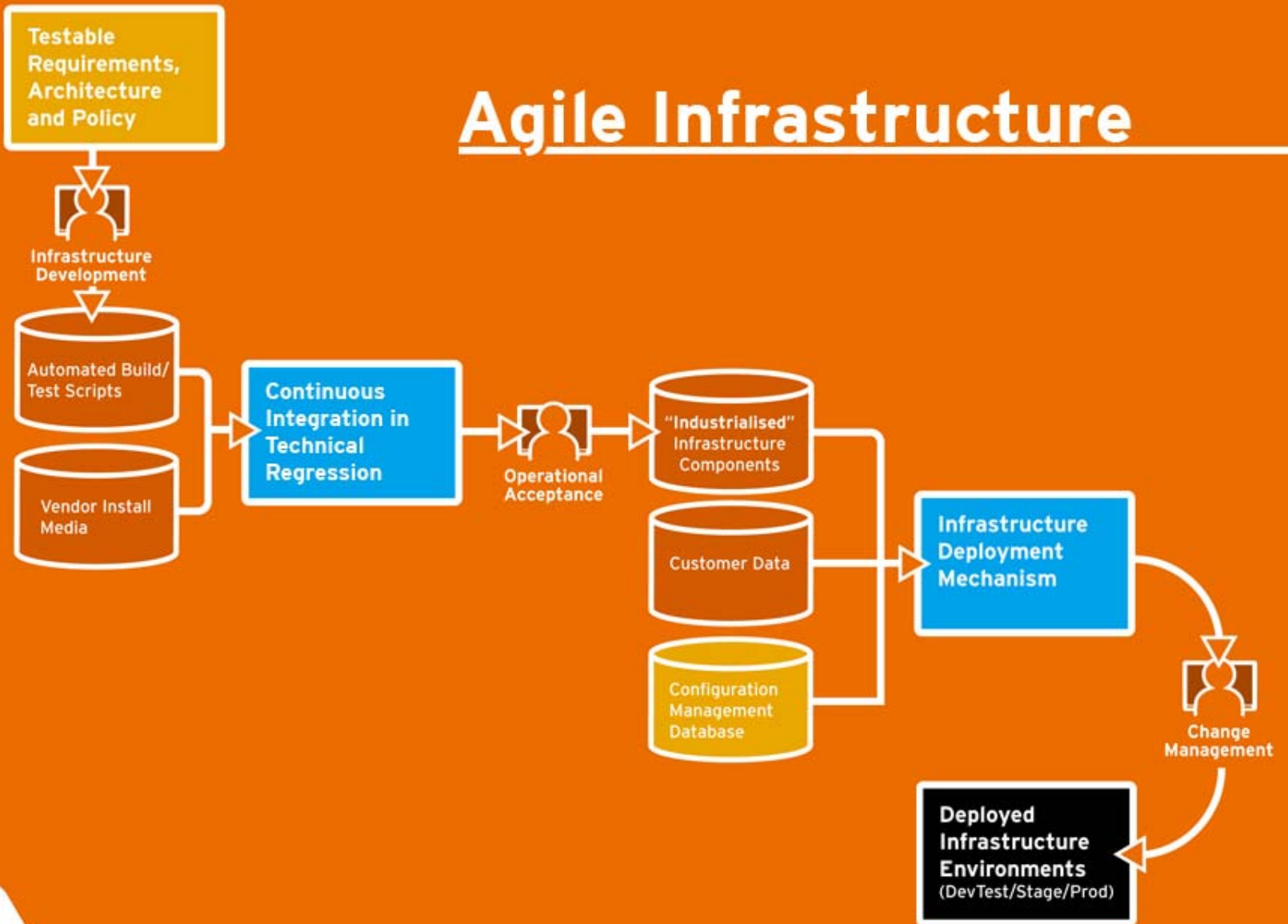
Agile Infrastructure



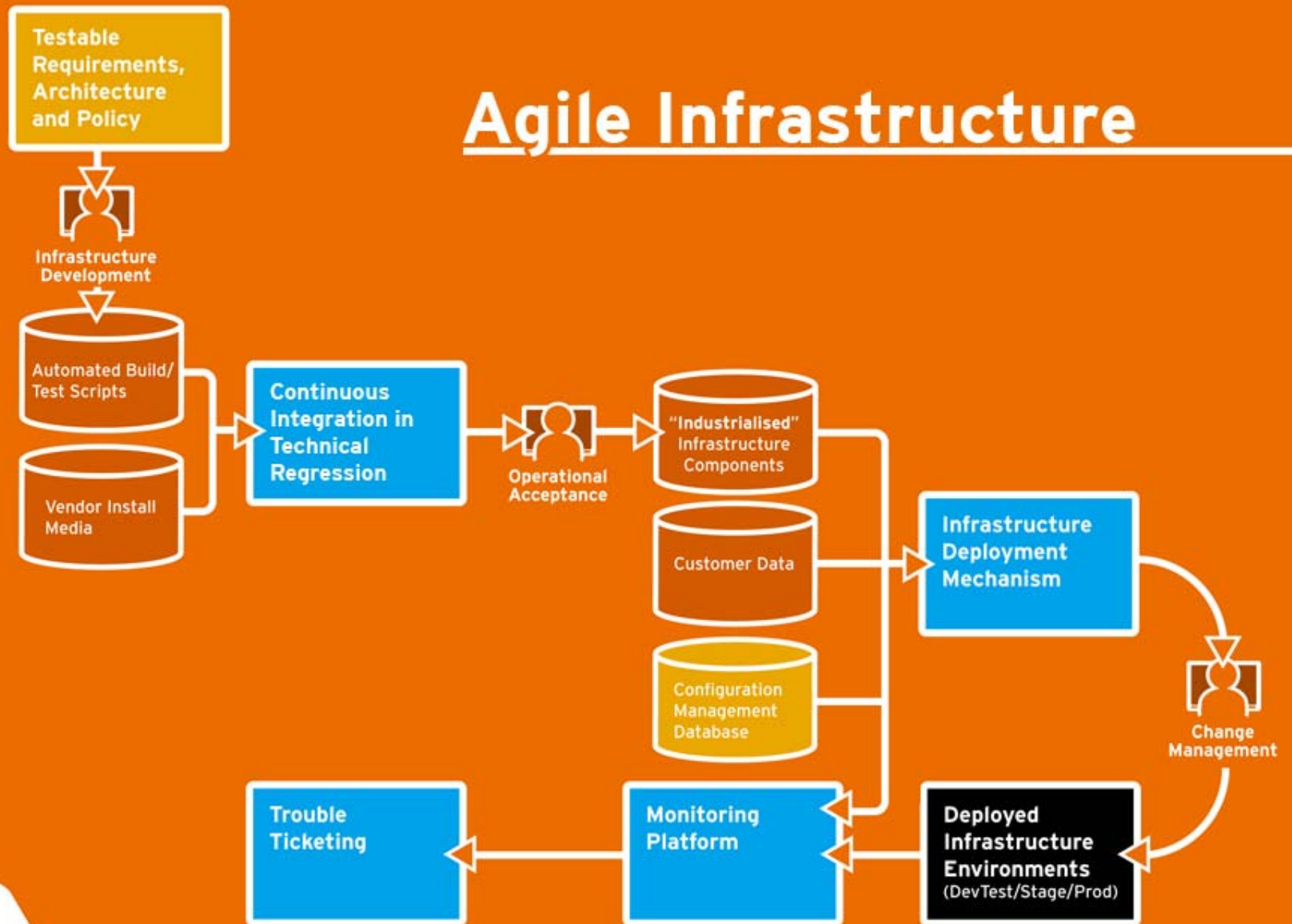
Agile Infrastructure



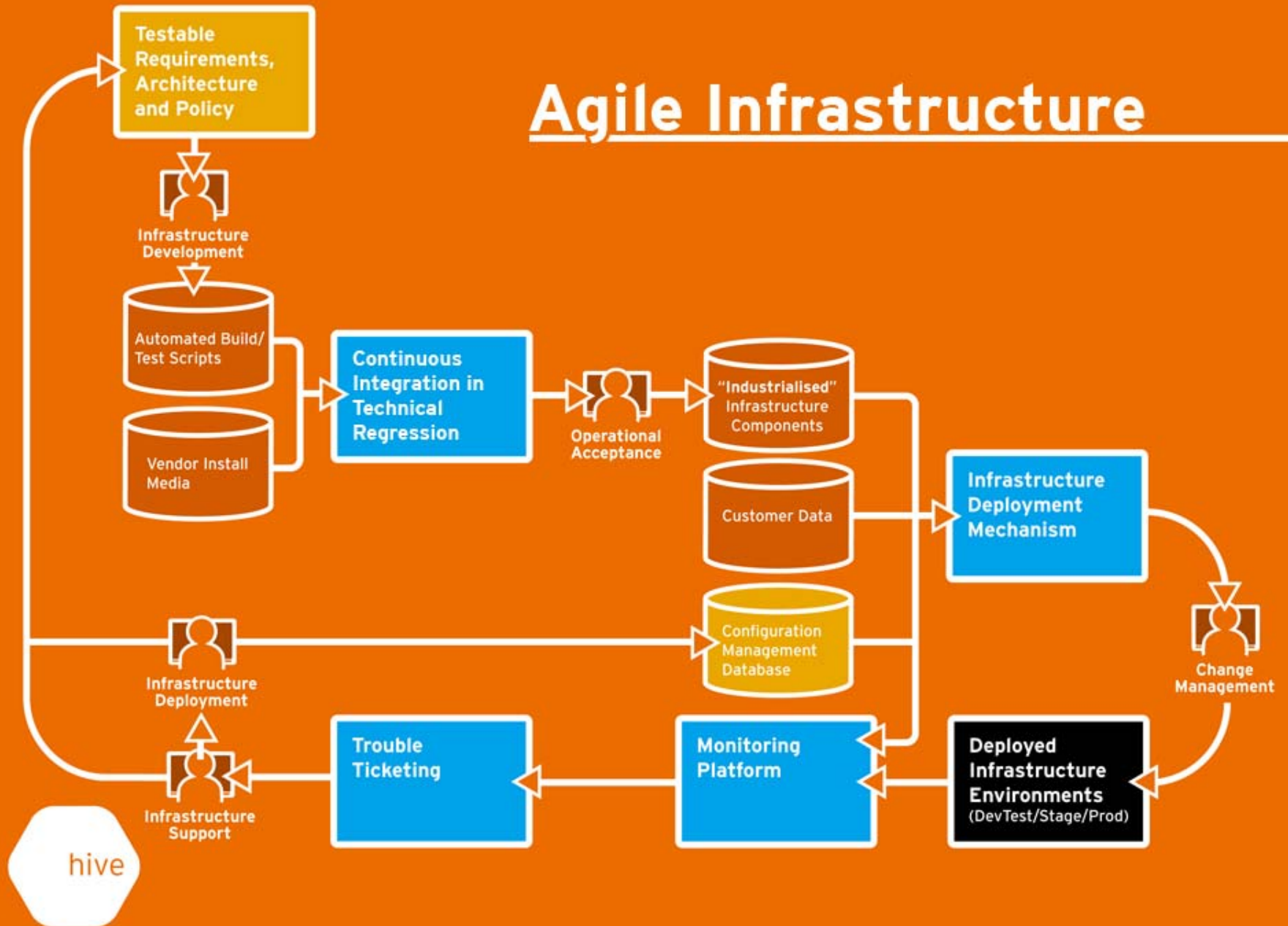
Agile Infrastructure



Agile Infrastructure



Agile Infrastructure

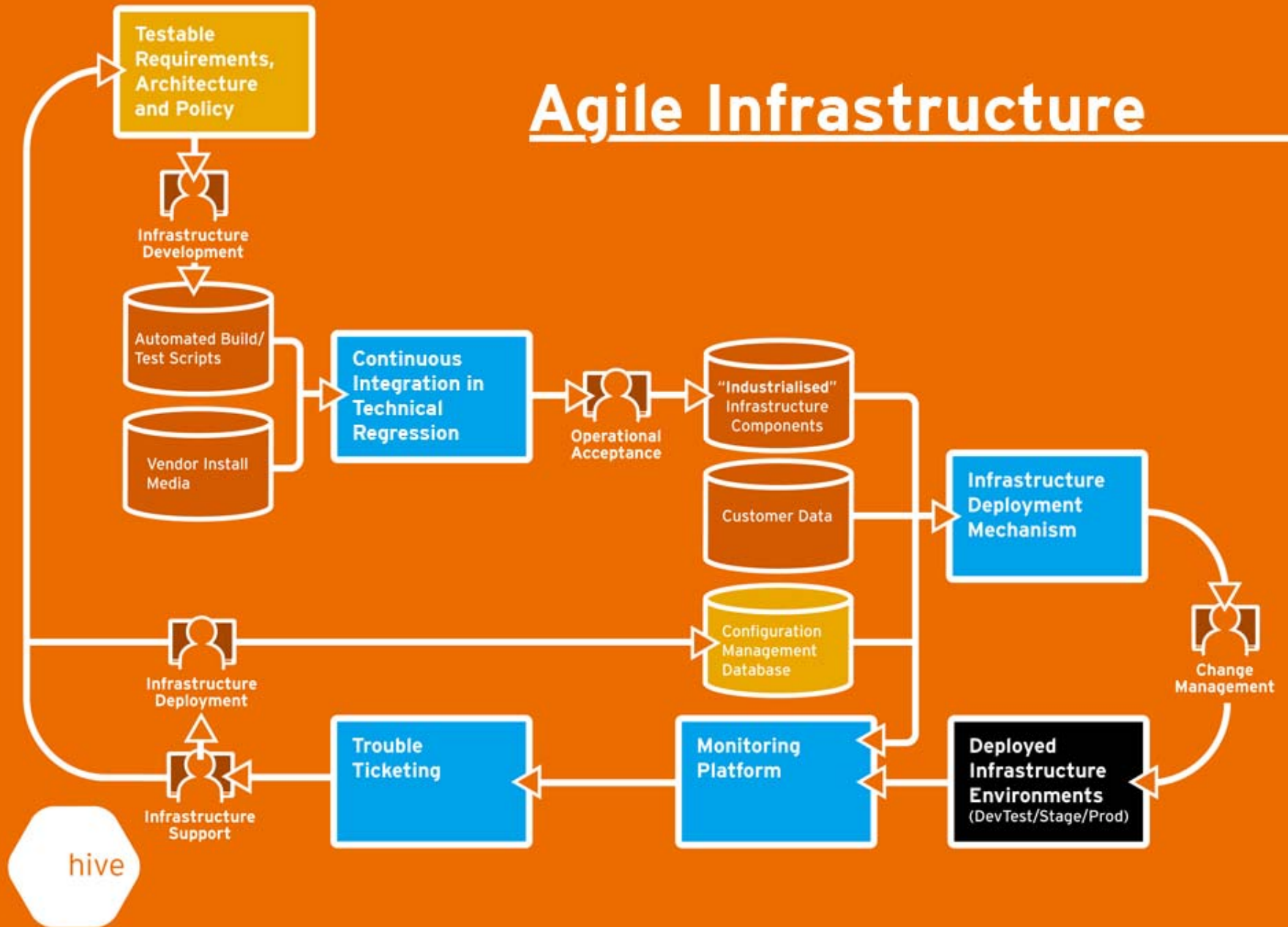




New Infrastructure New Hope



Agile Infrastructure



New Infrastructure New Hope

Design and Development

Current Infrastructure Today

- ▶ Testing of infrastructure component build and deployment is largely done manually, which reduces speed of delivery
- ▶ Limited integration testing of components in their deployed combinations, which results in increased risk of change
- ▶ Building Blocks are a positive move, but rapid evolution of these is still a challenge
- ▶ Security requirements are not formally incorporated, and not proven to be delivered by existing delivery processes.
- ▶ No formal mechanism for evolving stability of the platform
- ▶ Manual process for ensuring the movement from architecture to design and implementation leading to misalignment



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New Infrastructure New Hope

Design and Development

Agile Infrastructure

- ▶ **Automated unit testing** of all platform components against a set of **controlled testable requirements**
- ▶ **Automated integration testing** of all platform components in combination with other components
- ▶ Ability to **rapidly evolve Building Blocks** through a controlled mechanism
- ▶ Can **prove the data security requirements** are being met through **formalised set of data security tests**
- ▶ **Formalised and measurable process** for delivering against new requirements, or to continuously improve quality

New Infrastructure New Hope Deployment

Current Infrastructure Today

- ▶ **Making changes is high risk** due to lack of an accurate picture of what is deployed and the dependencies between components
- ▶ Environment Config **updated manually** and is **often inaccurate**, due to requirement to retro-fit configuration into the CMDB after deployment
- ▶ **Limited ability to understand** what impact a component failure will have on the end-user service
- ▶ **Ability to measure is limited** and requires significant human activity to create metrics about the platform
- ▶ Release process requires **significant human activity** and cross department **management coordination**, hence **changes are high risk**



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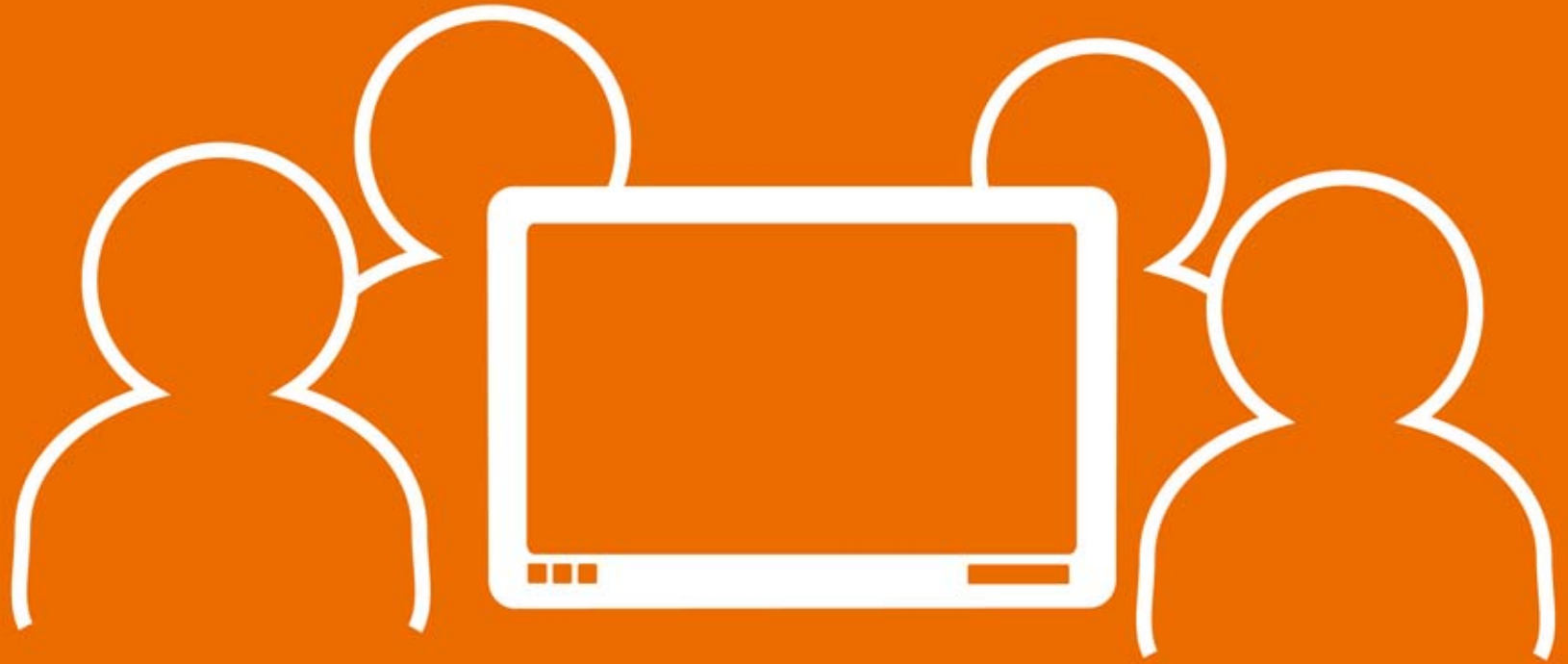
New Infrastructure New Hope

Deployment

Agile Infrastructure

- ▶ All deployment done from Central Configuration, ensuring the **deployed environments are always well understood**
- ▶ **Ability to measure a broad array of metrics** with significantly reduced human activity, and improved speed and accuracy
- ▶ **Release when ready**, for all platforms developed using this framework
- ▶ **Continuous Improvement**, through formalised mechanism for feeding back improvements into development
- ▶ **Monitors the end-to-end service**, not just the devices

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Operational Changes





**Operations are
the bottleneck**

Process as Armour
Sceptical of change

Infrastructure as Code

System Admin must code (devops)

- Automated Provision.

J.E.D.I

(just enough documented information)

- Pass the throw it out window test



Agile Infrastructure



De-risked delivery
Capacity on demand
Faster delivery
An end to hero culture

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