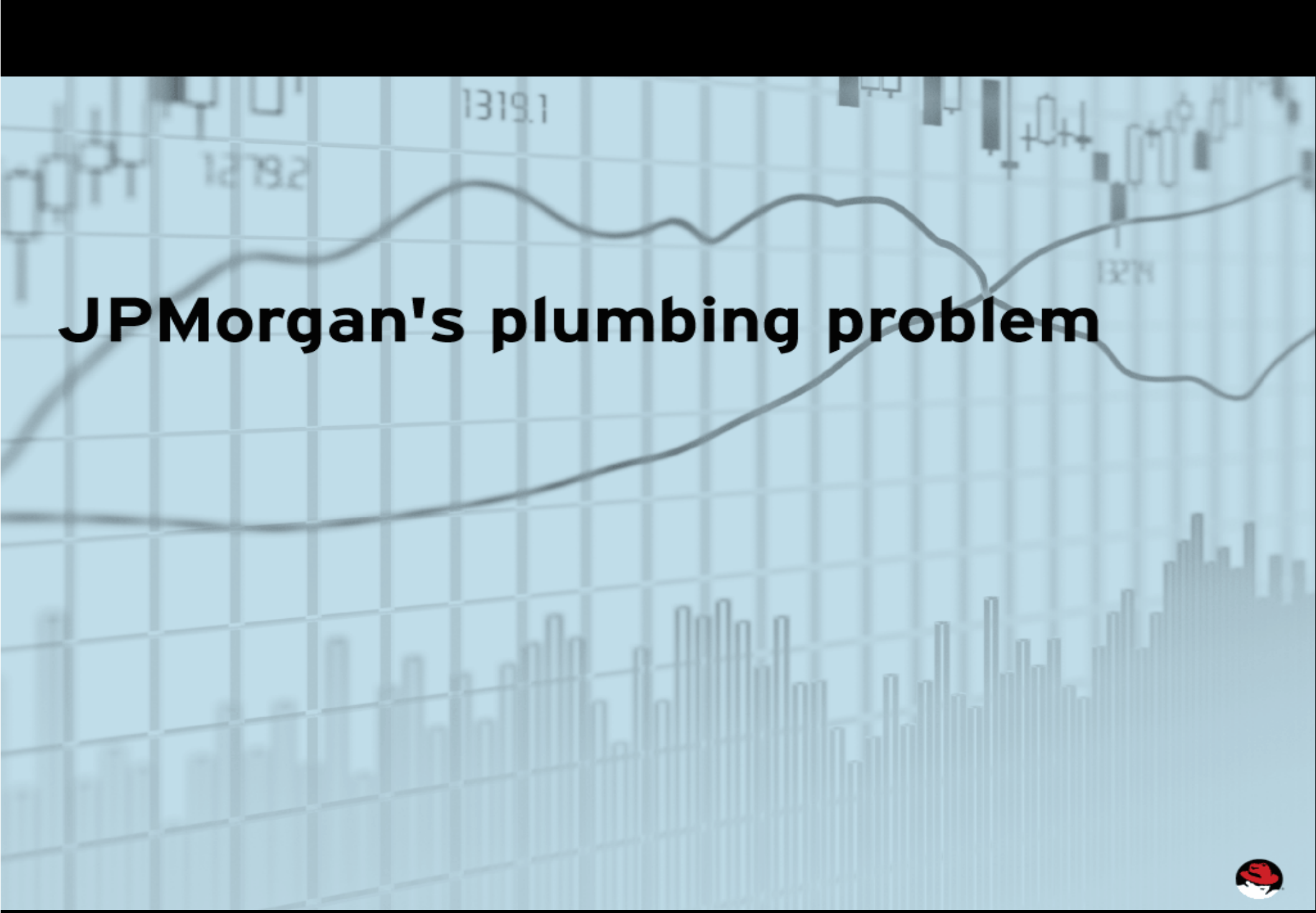
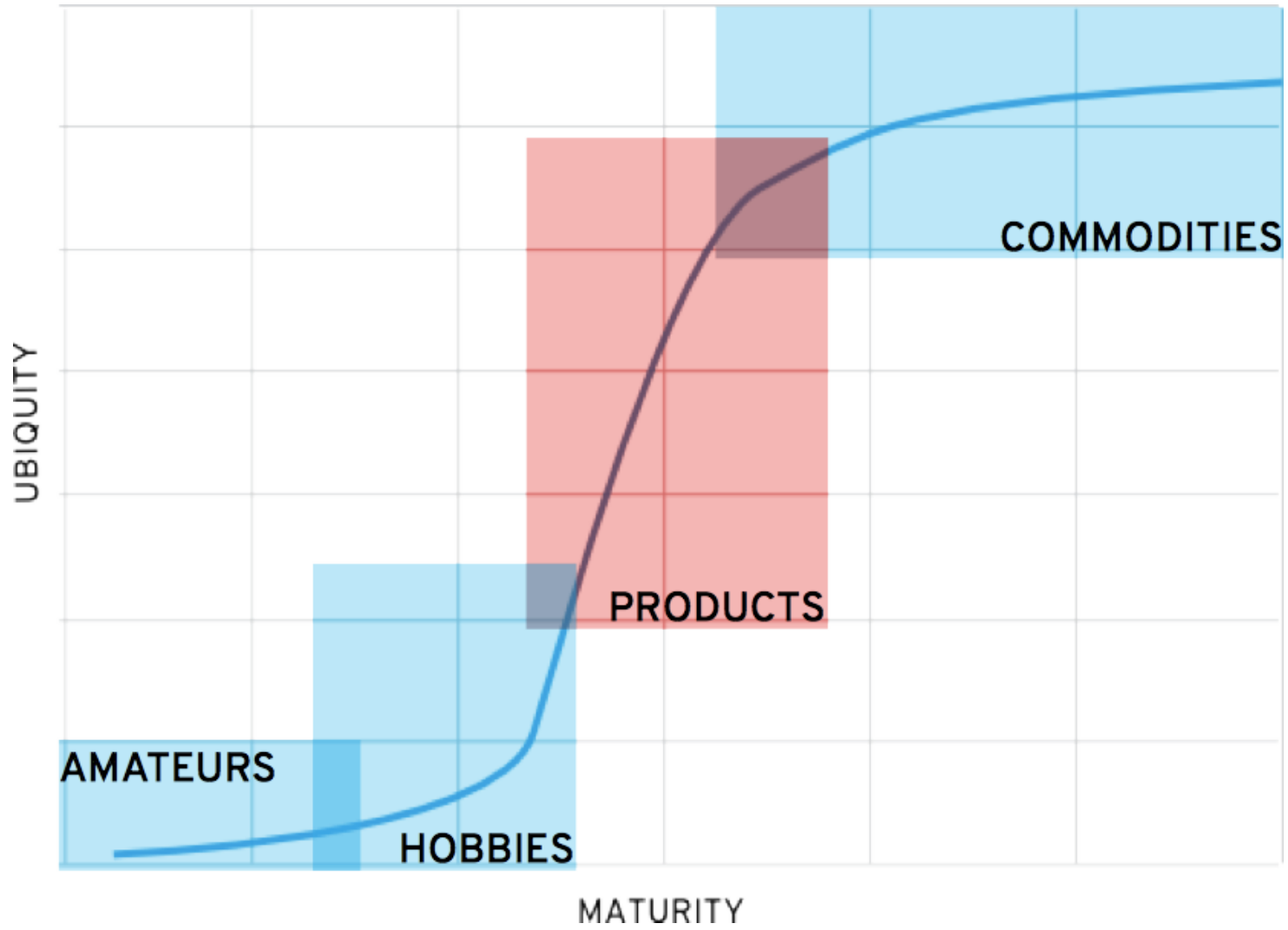
WE CAN DO MORE
WHEN WE WORK
TOGETHER

JPMorgan's plumbing problem



US Navy's standardization mission

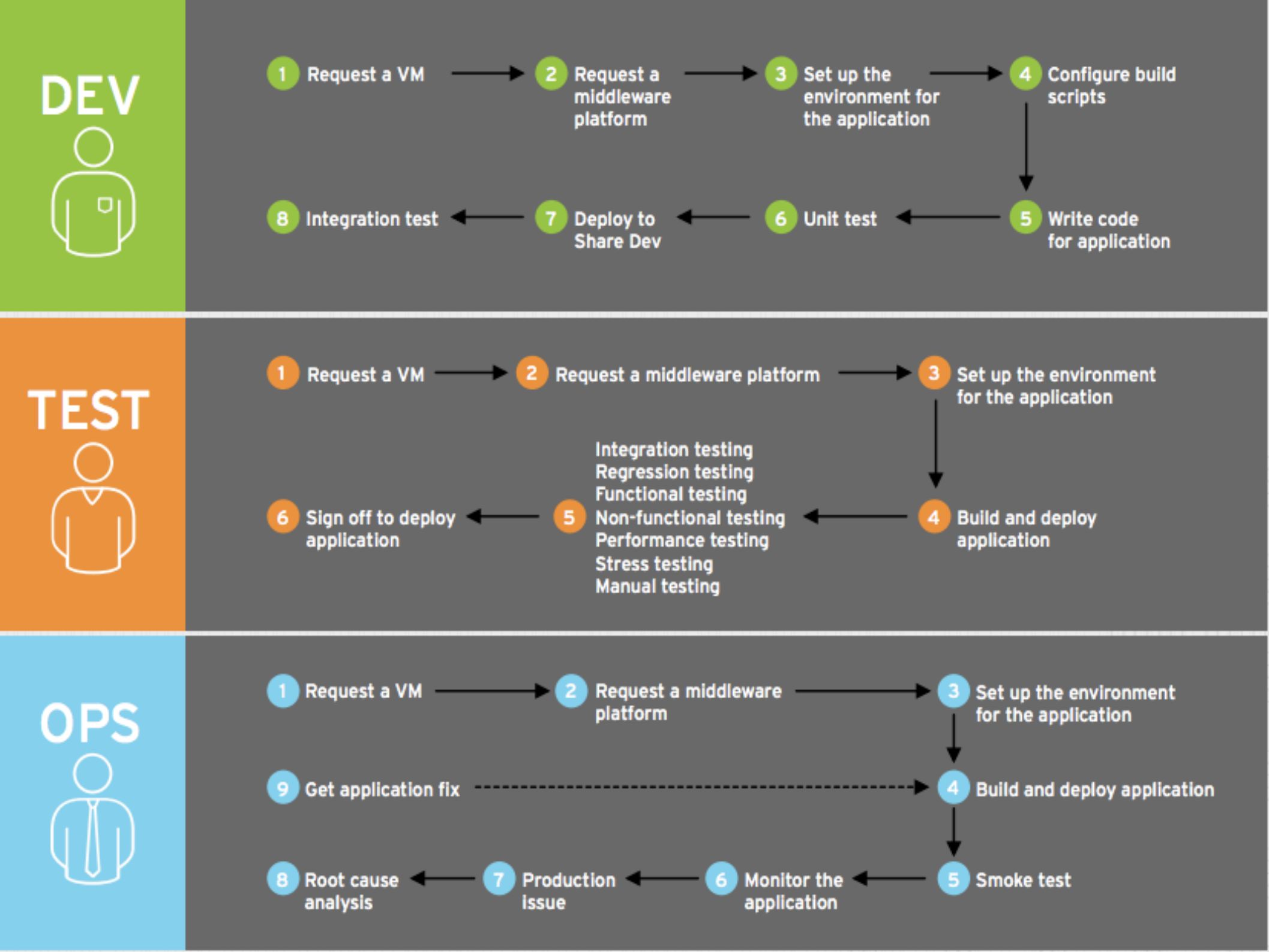
OMB's FISMA problem.


UBIQUITY
MATURITY
AMATEURS
HOBBIES
PRODUCTS
COMMODITIES

Miracle at Willow Run

YOU ARE NOT AN
IT CRAFTSMAN.

YOU ARE AN
IT MANUFACTURER.


DEV
1 Request a VM
2 Request a middleware platform
3 Set up the environment for the application
4 Configure build scripts
5 Write code for application
6 Unit test
7 Deploy to Share Dev
8 Integration test
TEST
1 Request a VM
2 Request a middleware platform
3 Set up the environment for the application
4 Build and deploy application
5 Integration testing
Regression testing
Functional testing
Non-functional testing
Performance testing
Stress testing
Manual testing
6 Sign off to deploy application
OPS
1 Request a VM
2 Request a middleware platform
3 Set up the environment for the application
4 Build and deploy application
5 Smoke test
6 Monitor the application
7 Production issue
8 Root cause analysis
9 Get application fix

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6 Sign off to deploy application
4 Build and deploy application
Developers should focus on writing code.
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DEV

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4 Configure build scripts

Quality engineers should focus on testing.

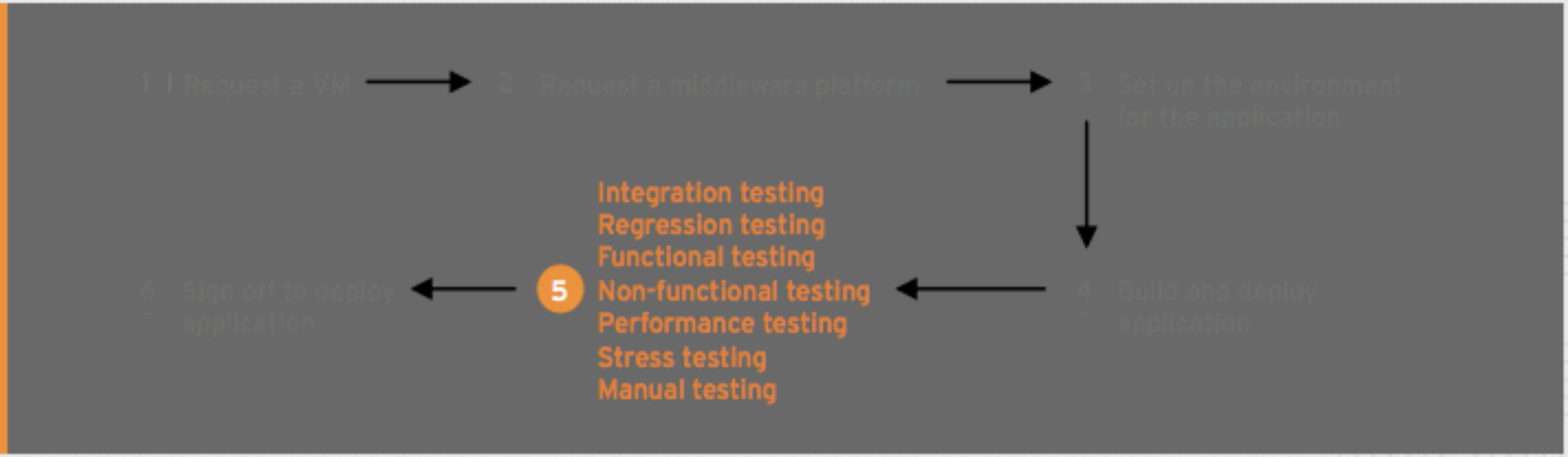
8 Integration test

7 Deploy to Share Dev

6 Unit test

5 Write code for application

TEST



OPS

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DEV

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Ops engineers should focus on providing reliable and stable environments.

TEST

1 Request a VM

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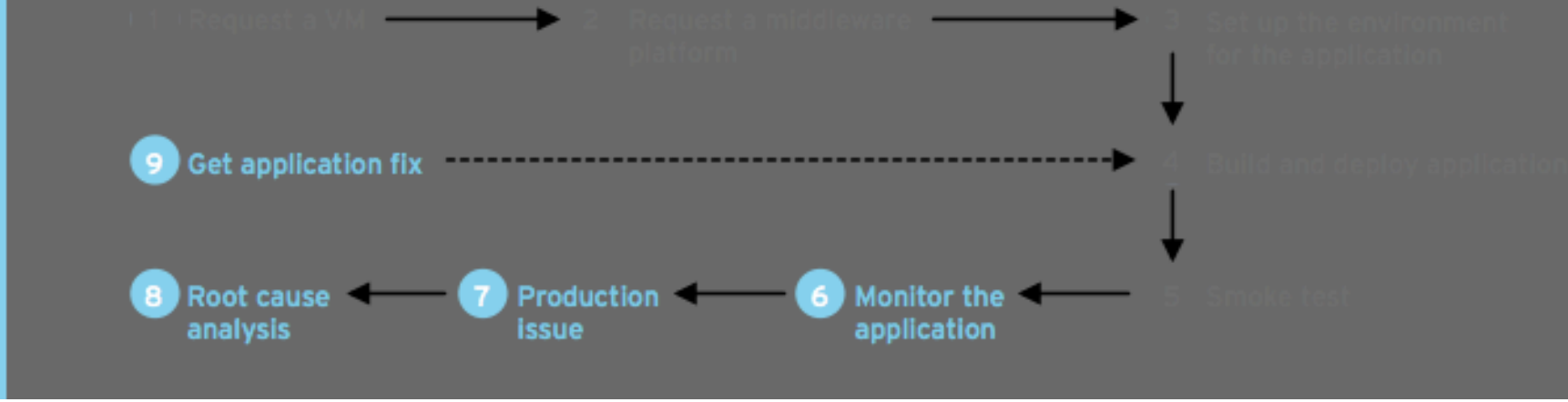
6 Sign off to deploy application

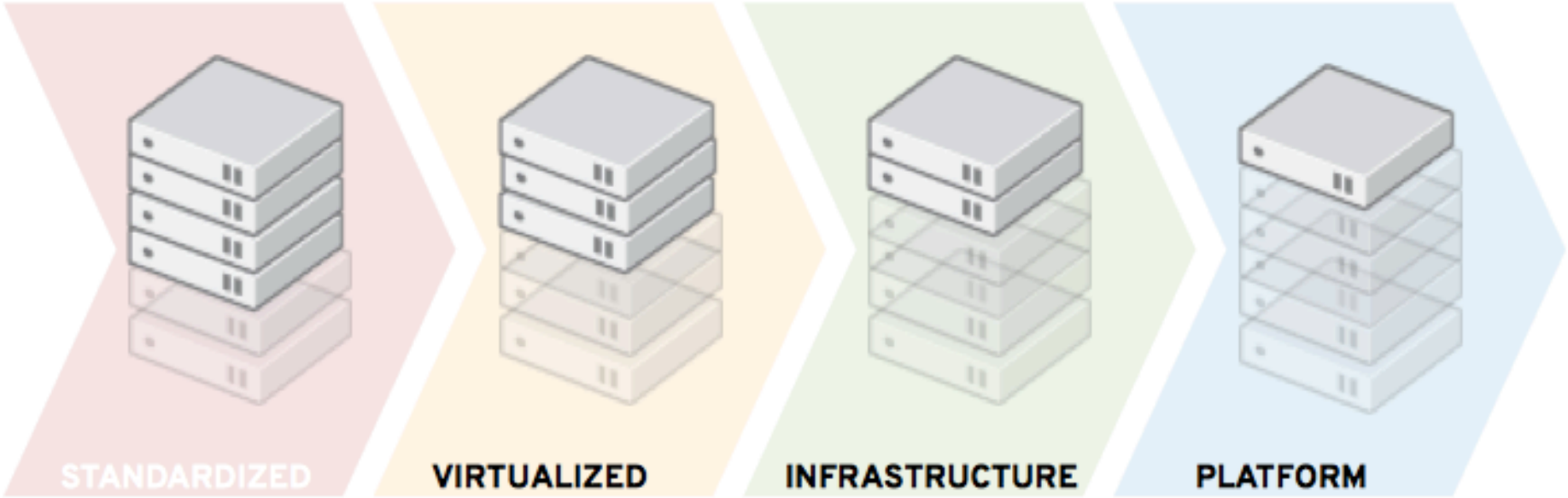
5 Integration testing
Regression testing
Functional testing
Non-functional testing
Performance testing
Stress testing
Manual testing

4 Build and deploy application

OPS

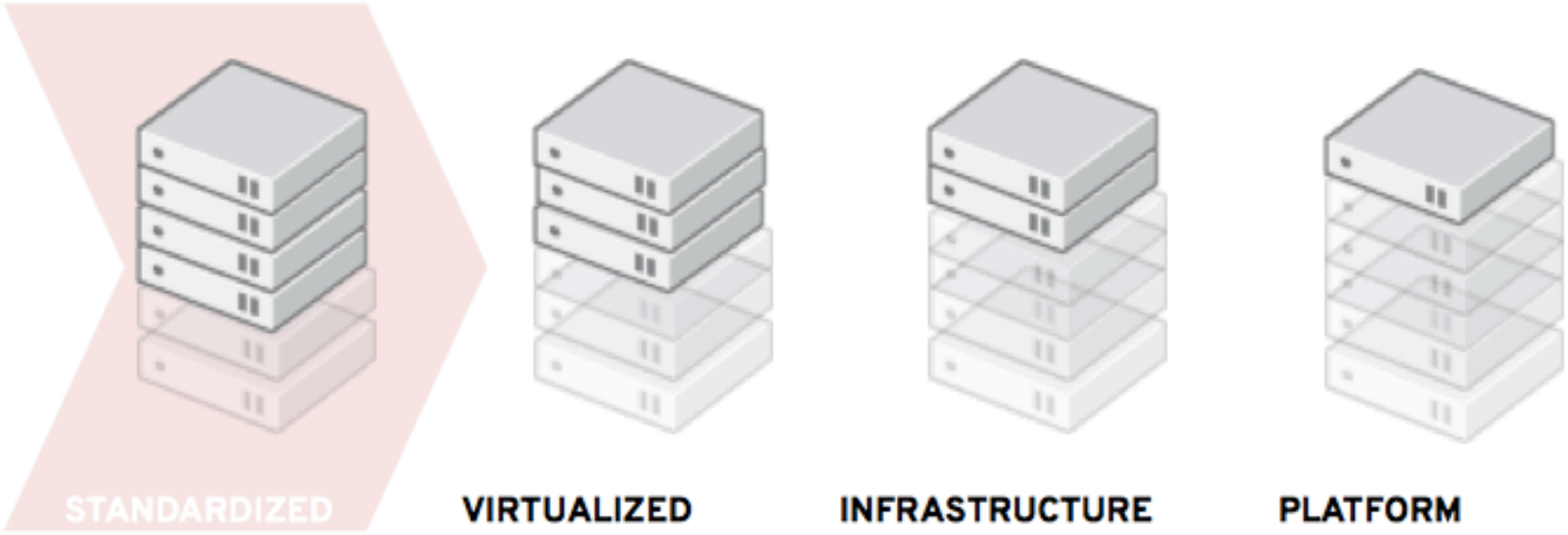


COMMODITIZATION



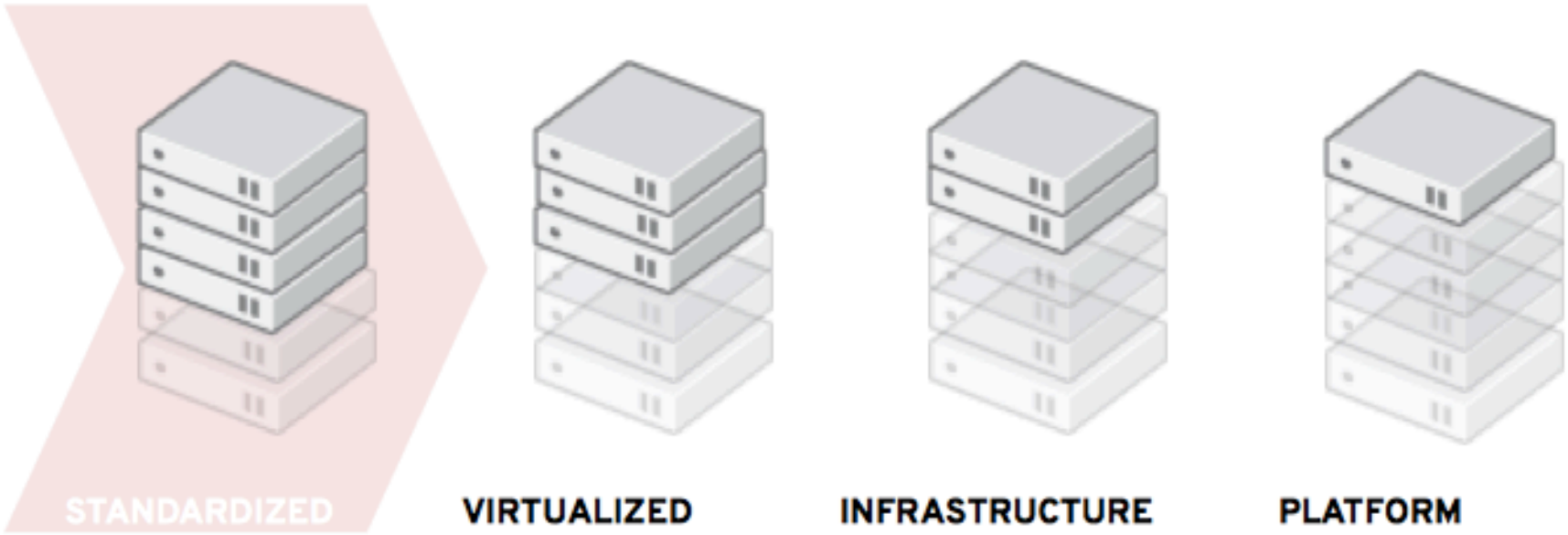
MORE OPEN
MORE OPTIONS
MORE AUTOMATED
MORE COMMODITIZED
MORE STANDARDIZED

STANDARD PARTS



Standardize your components on open source to **reduce operating expenses** and **increase competition**.

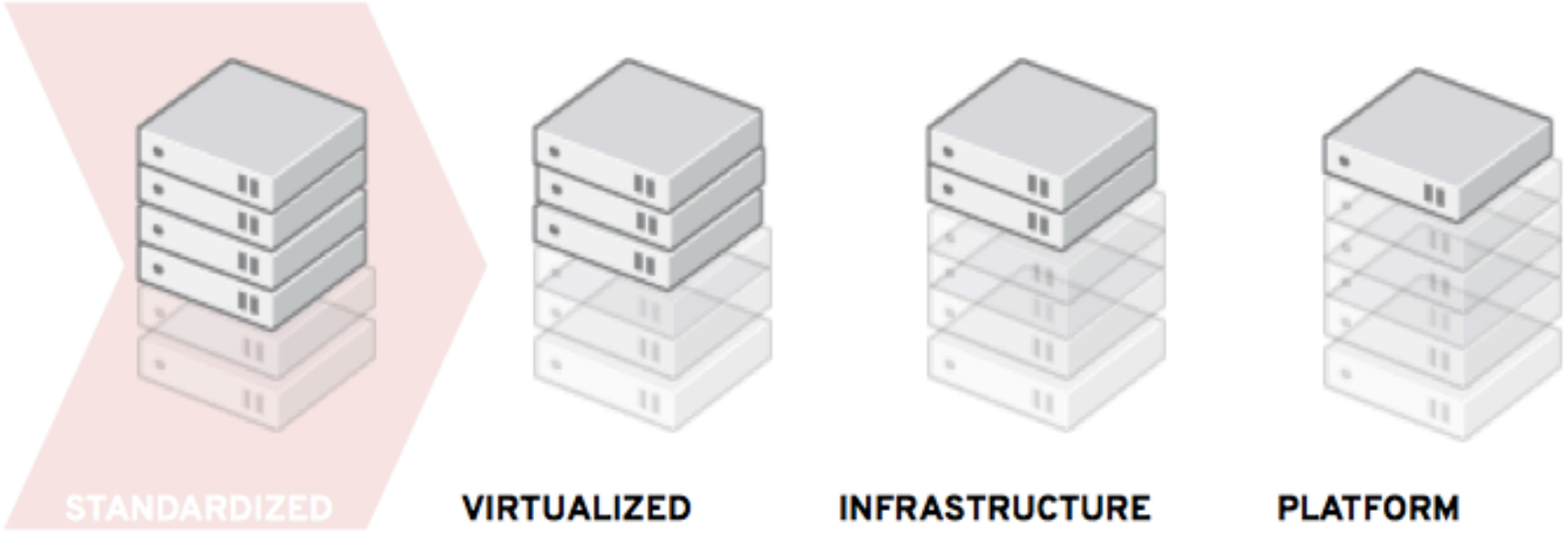
STANDARD PARTS



RED HAT ENTERPRISE LINUX.

SECURITY FROM THE NSA.
REAL-TIME FROM THE NAVY AND WALL STREET.
MANAGES TWO MILLION PASSENGERS A DAY FOR THE FAA.
EXECUTES >60% OF THE WORLD'S EQUITY TRADES.
IN EVERY US ARMY TACTICAL VEHICLE.
THE STANDARD IN CALIFORNIA, DHS, COMMERCE, N. CAROLINA, TREASURY, and DOD.
SERVING OVER 7,500 STATE AND LOCAL GOVERNMENTS.

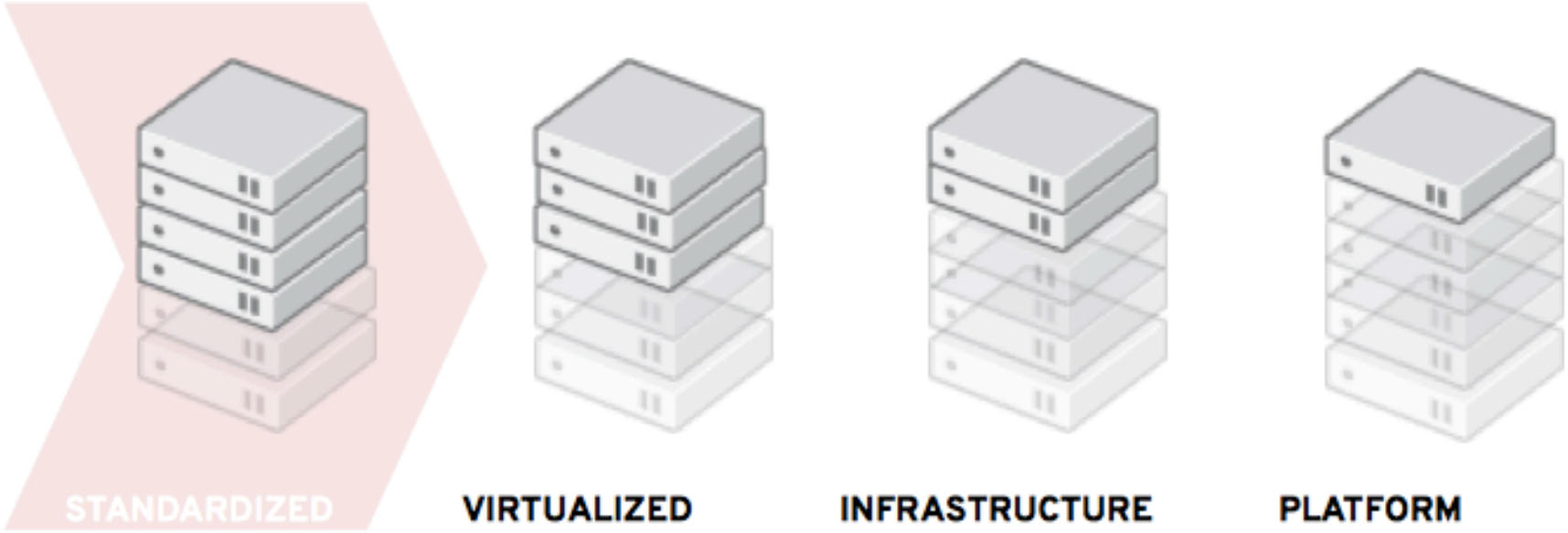
STANDARD PARTS



JBOSS ENTERPRISE MIDDLEWARE.

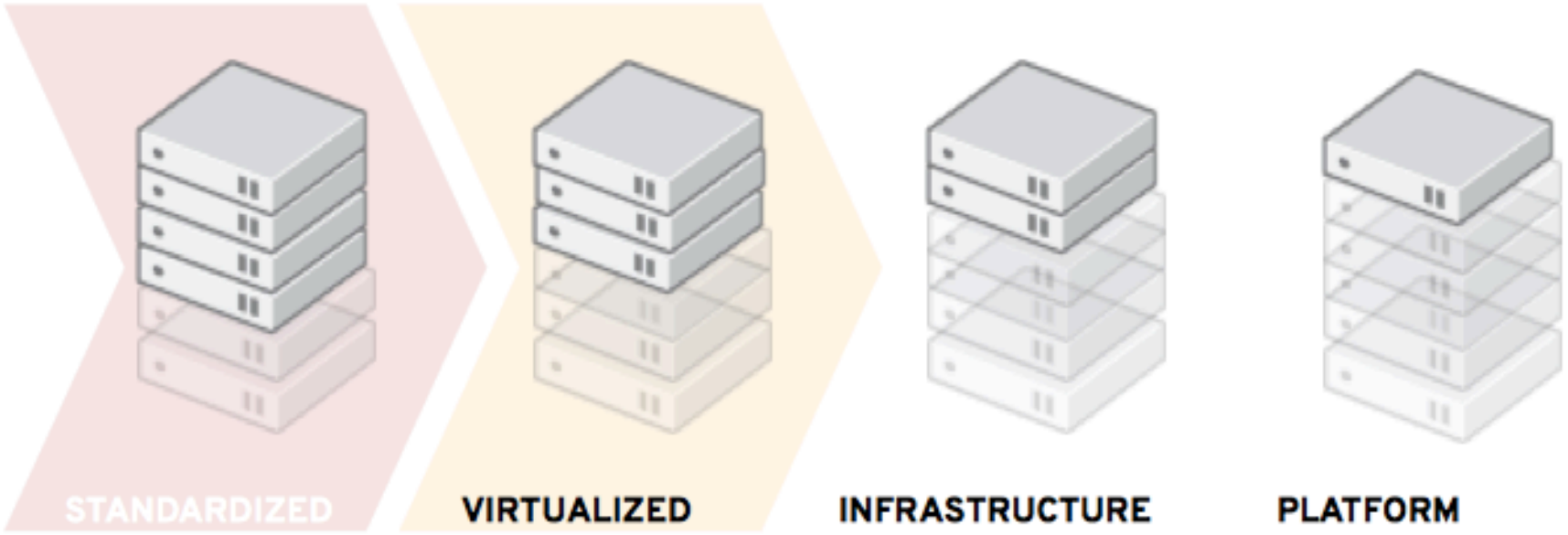
US NAVY: CANES ACS, DCGS-N.
US ARMY: WIN-T, DCGS-A.
US AIR FORCE: DCAPES
DISA: GCSS-J
STATE OF TENNESSEE

STANDARD PARTS



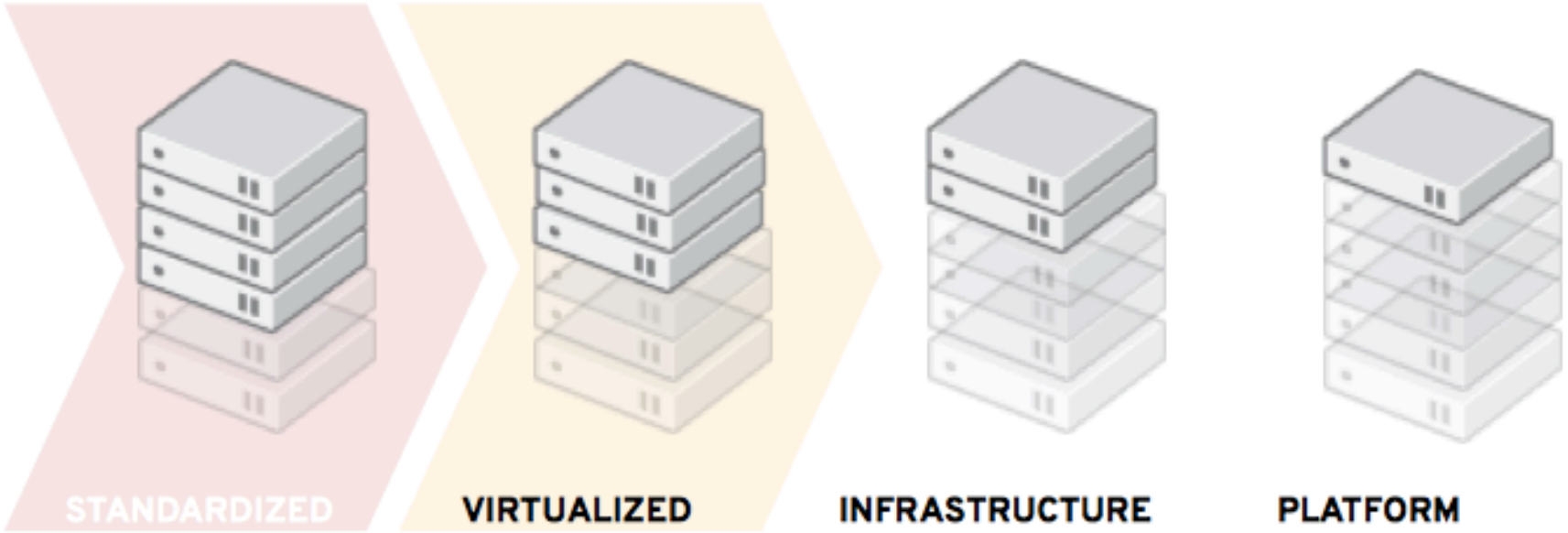
RED HAT NETWORK SATELLITE.
JBOSS OPERATIONS NETWORK.
BOOZ ALLEN
TRANSPORT FOR LONDON
SALT RIVER PROJECT
BRAZIL MINISTRY OF HEALTH
UNION PACIFIC
ALLIANZ
COVAD

STANDARD PROCESS



Virtualize services to **reduce capital expenses** and **increase agility.** This prevents products from dictating your process.

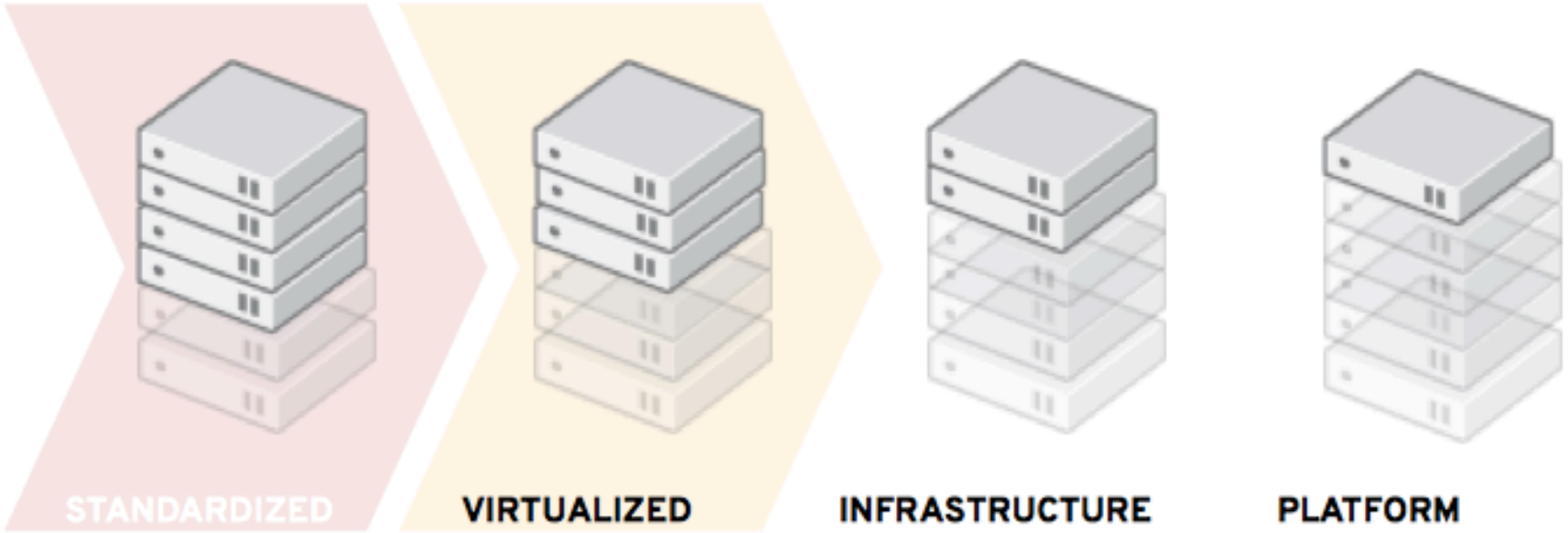
STANDARD PROCESS



RED HAT ENTERPRISE VIRTUALIZATION

LIBRARY OF CONGRESS.
US PTO.
DUKE CANCER INSTITUTE.
US CENSUS.
US AIR FORCE.

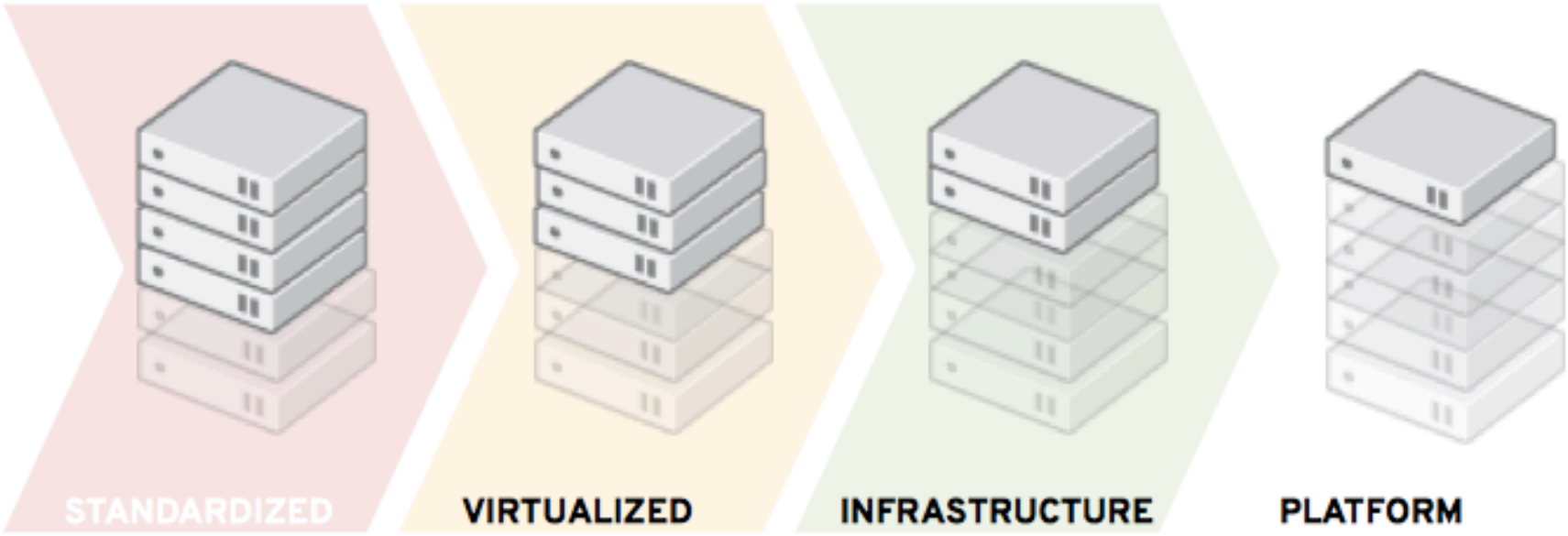
STANDARD PROCESS



RED HAT STORAGE.

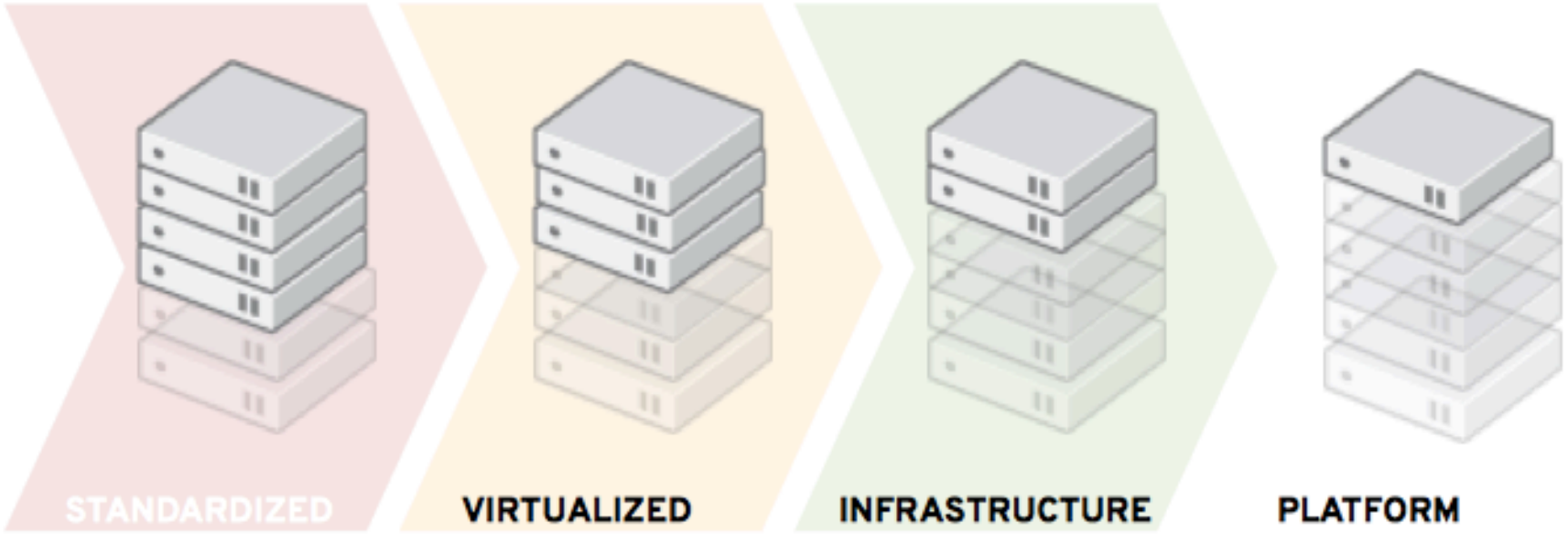
POWERS PANDORA INTERNET RADIO.
CAPTURES DATA FROM MARS FOR NASA.
HELPS CORNELL HANDLE 20 TB A MONTH.
HANDLES WORLDWIDE CONTENT DISTRIBUTION FOR BRIGHTCOVE.

STANDARD INFRASTRUCTURE



Infrastructure services **simplify your architecture** with standardized, virtualized systems available anywhere on demand. Free up time to simplify the hard things. You **get more for every dollar you spend.**

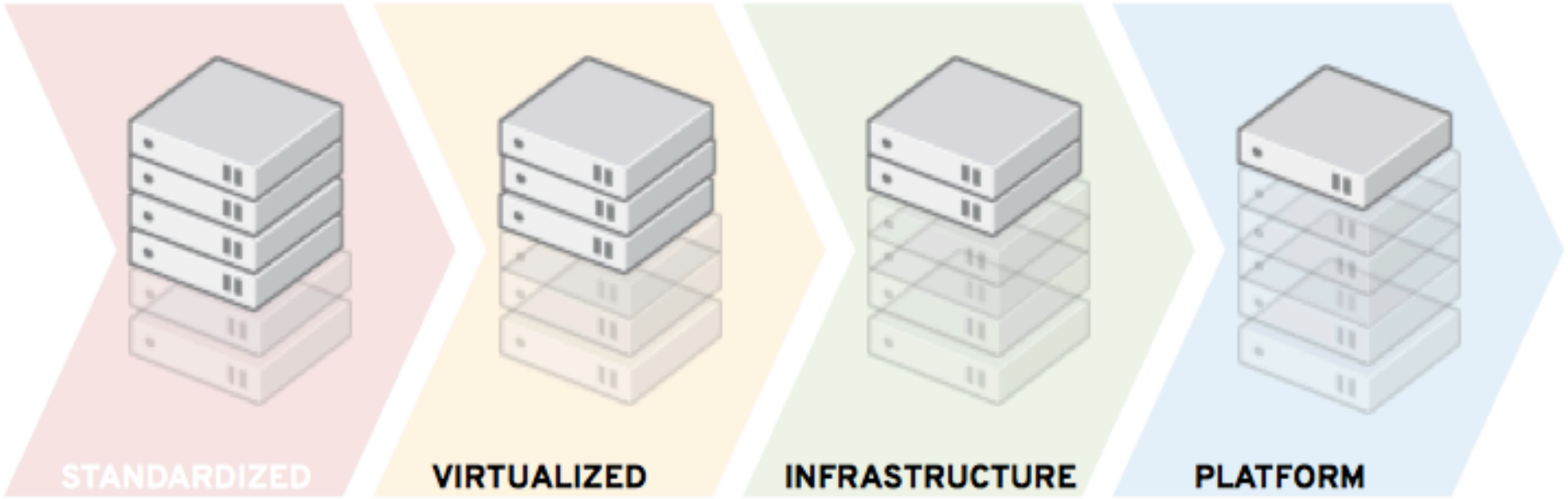
STANDARD INFRASTRUCTURE



RED HAT OPENSTACK.
NSA
NASA
EVERYBODY ELSE

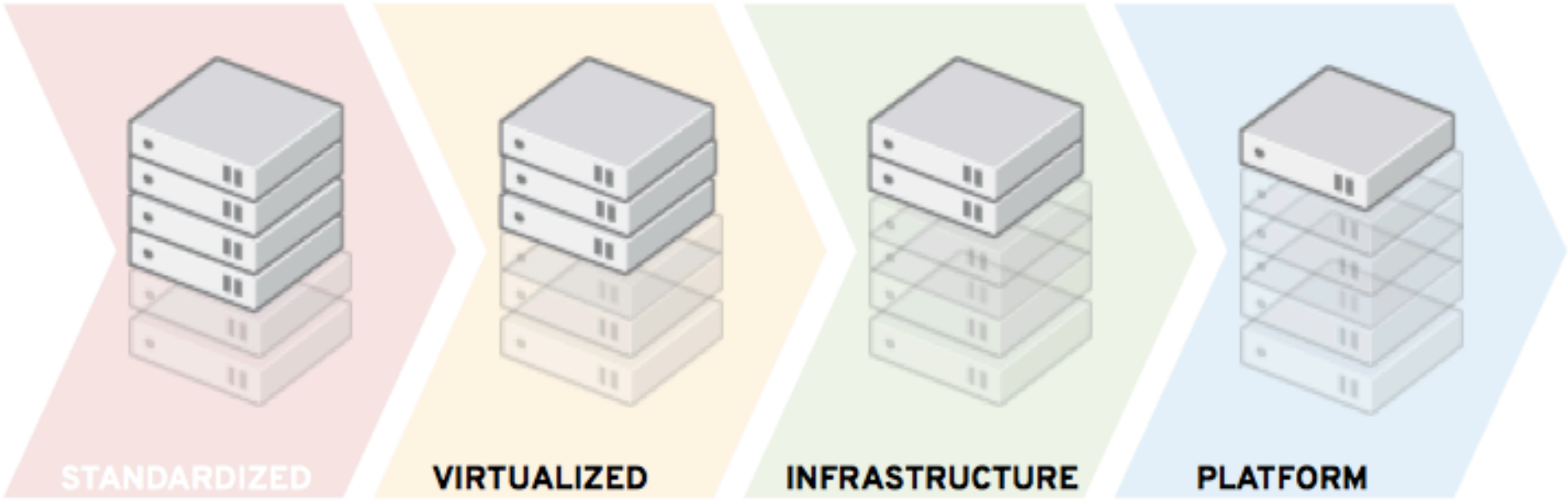
RED HAT CLOUDFORMS.
HYBRID CLOUD
OPERATIONS MANAGEMENT
SERVICE CATALOGS

BUILD FOR CHANGE

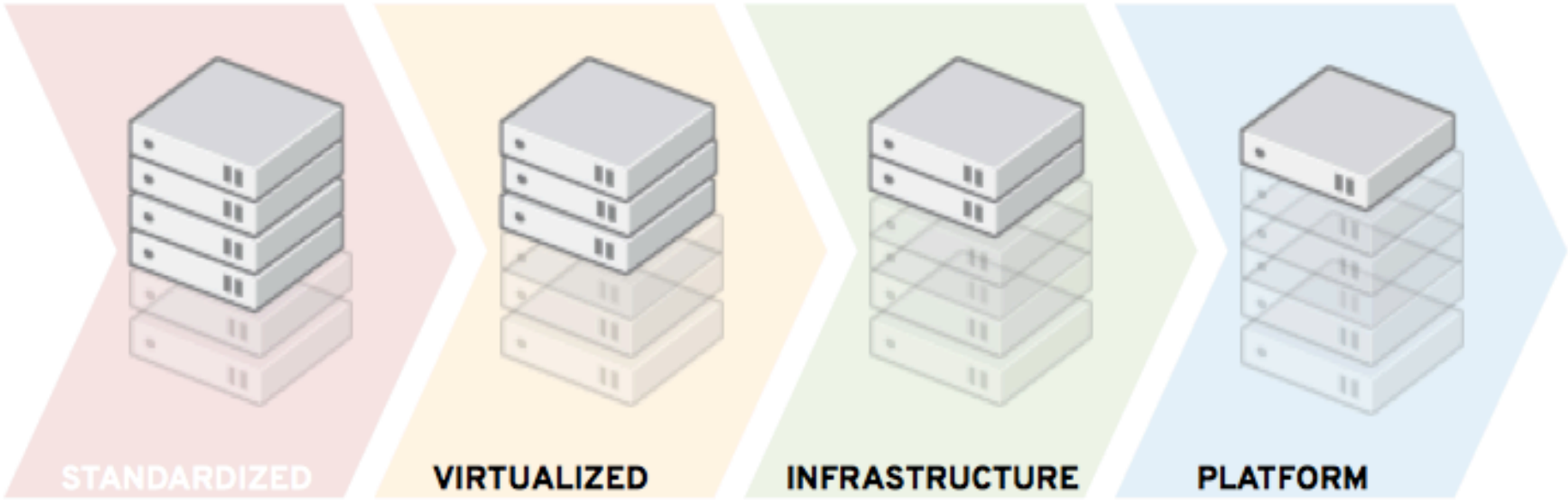


Platform services **drive complexity from applications** to standardized infrastructure.

BUILD FOR CHANGE



RED HAT OPENSHIFT.
DISA STAX.
AUTONOMIC RESOURCES.
AND >250K PUBLIC APPLICATIONS



SVIP → IT MANUFACTURING

We have to share to iterate quicker.

A cloud is sharing at run-time.

Open source is sharing at dev-time.

Agility is the capability.

Red Hat is the catalyst.

YOU ARE HERE

WE CAN DO MORE
WHEN WE WORK
TOGETHER

redhat®

SHAWN WELLS
shawn@redhat.com || 443-534-0130