8 REASONS
TO VIRTUALIZE

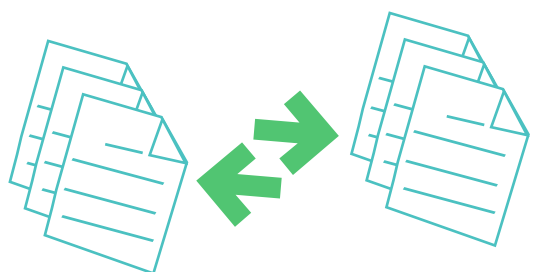### Business Critical Systems

Many times companies have concerns regarding virtualizing their business critical systems, since these systems can have such a huge impact on their day-to-day operations. However, there are several major benefits that come from virtualizing these key applications as described below.

COST REDUCTION

1

This comes in the form of both CapEx reductions from hardware and hardware based software licensing, and OpEx reductions from improved manageability, shorter app dev cycles, improved QA, etc.
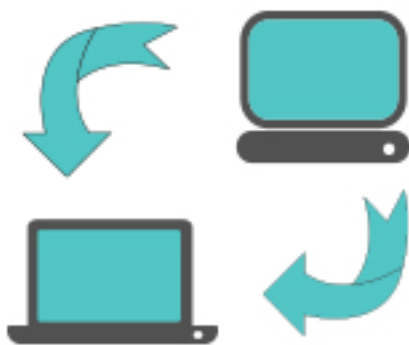
NEAR 100% RELIABLE DR

2

Historical recovery from a disaster is lacking, VMware virtualization provides near 100% recoverability.

PRODUCT RELEASE CYCLE OPTIMIZATION

3

Fast and complete environment cloning; isolated test environments; quick server provisioning; improved development server management, etc.
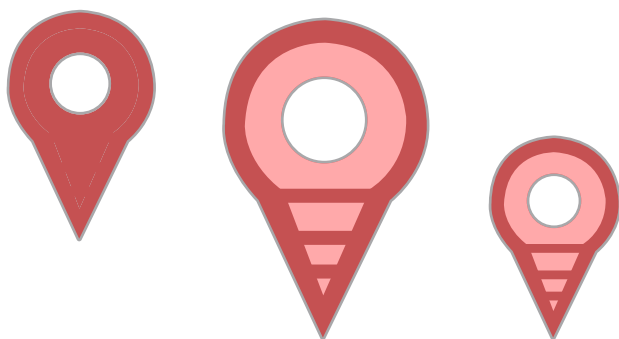
HIGH AVAILABILITY

4

HA for business critical workloads is not a nicety, it is critical. VMware HA works with or in place of traditional HA tools.

LICENSE OPTIMIZATION

5

Load up the hardware with more Oracle or other workloads without paying for more hardware-based licenses; comingle preproduction and production workloads on the same servers; optimize DR licensing.

FLEXIBILITY IN DEPLOYMENT

6

Whether one is looking fo develop an internal cloud architecture or looking to leverage the public cloud for a hybrid or fully outsourced strategy, virtualizing business critical systems offers the flexibility to explore each of these options.

SECURITY CONSIDERATIONS

7

Complete isolation between systems on the same host; smaller attack target footprint; processor-based VM security assist; randomization of executable locations; Dynamic Binary Translation; zero-based memory; storage isolation between VM's that prevents wide-scale data corruption; virtual switches less vulnerable to MAC spoofing, random frame, and other types of attacks, etc.

IMPROVED QA

8

With more production-like development and QA environments, fewer bugs are able to make it through testing cycles due to any differences between the environments.

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