

Enhancing Discipline in VMware Environments with Application Discovery Manager

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Marching Toward Complexity

IT systems and services are complex

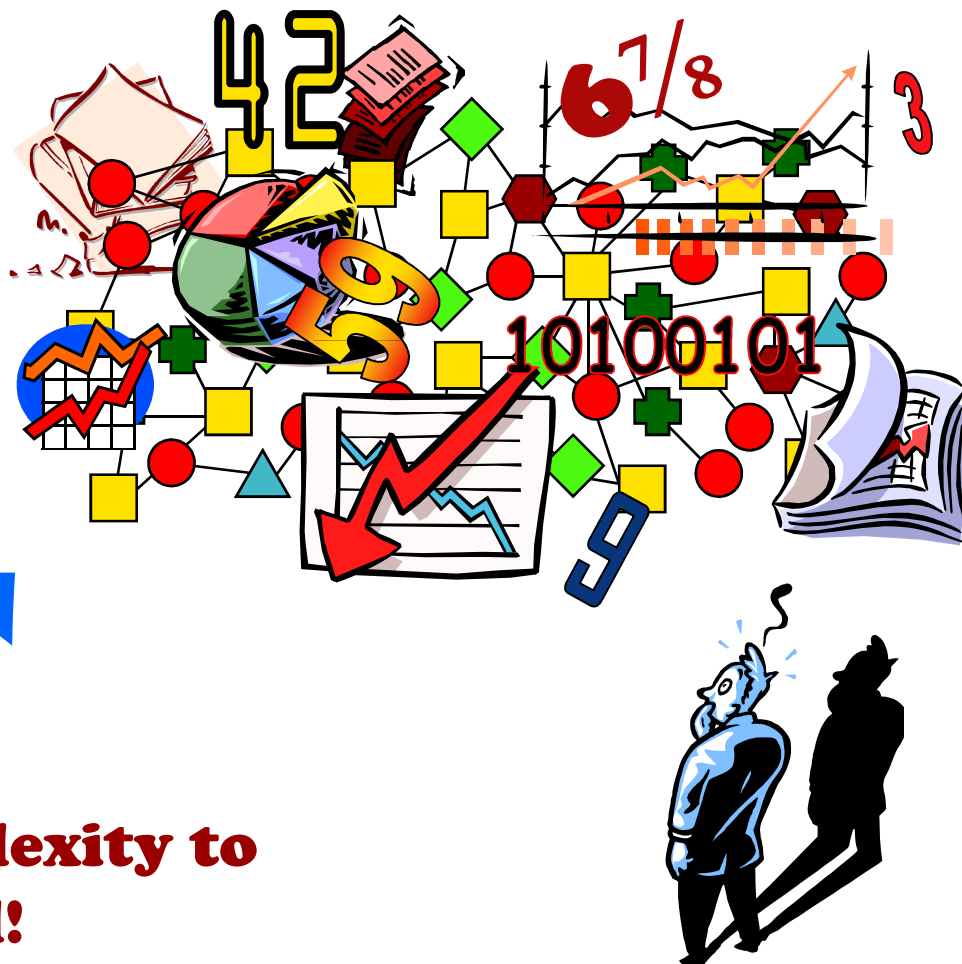
Complexity is growing

Manual is futile

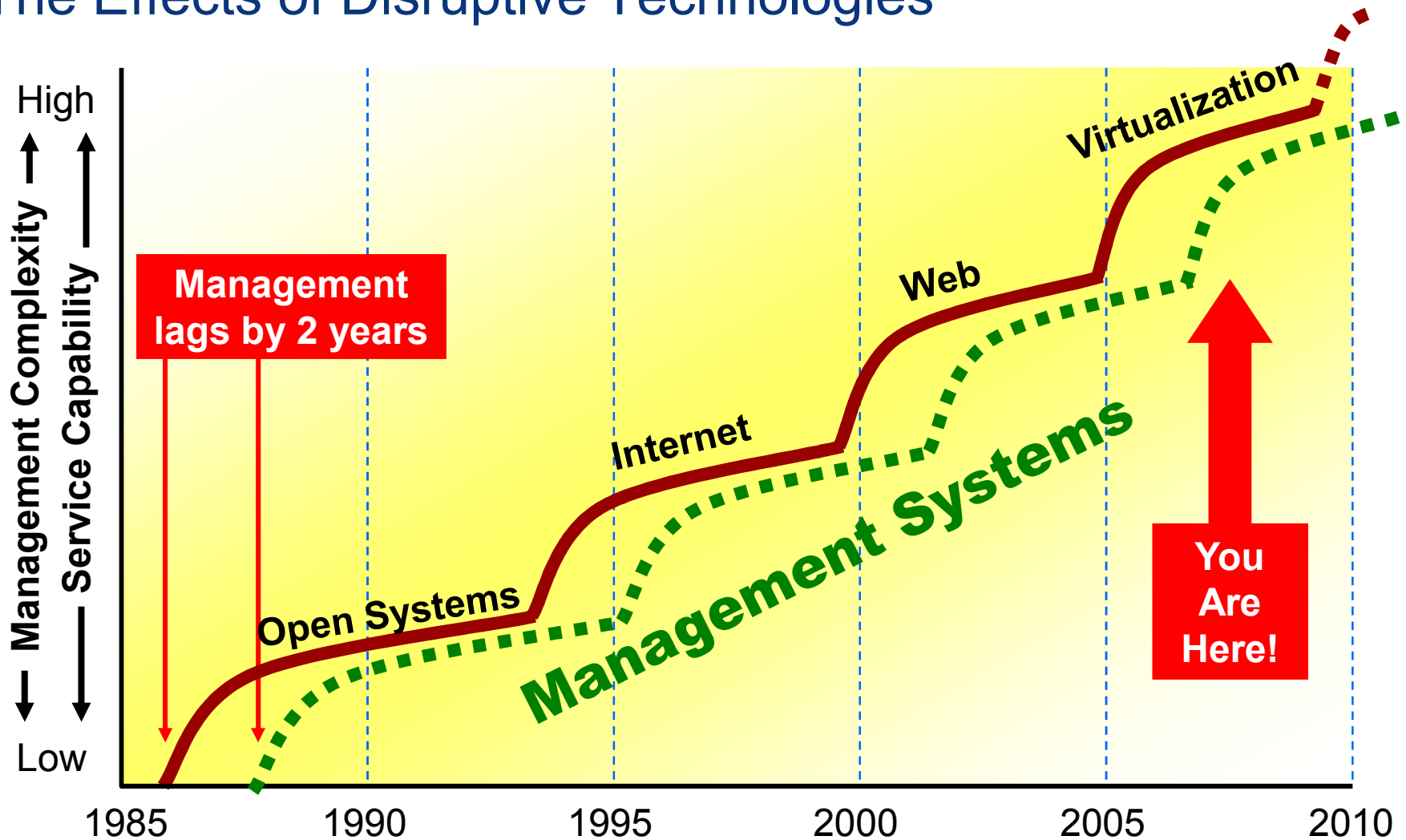
Automation is needed

VIRTUALIZATION IS WONDERFUL!

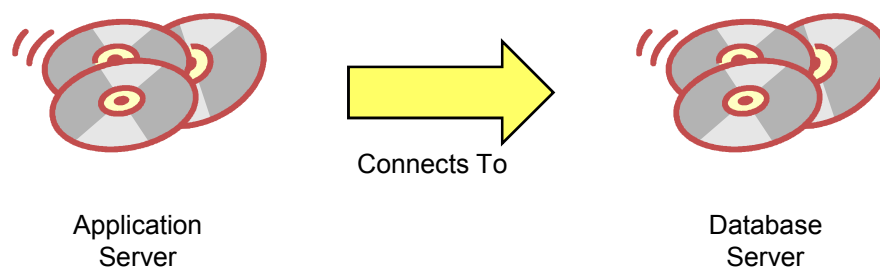
but it takes complexity to a whole new level!



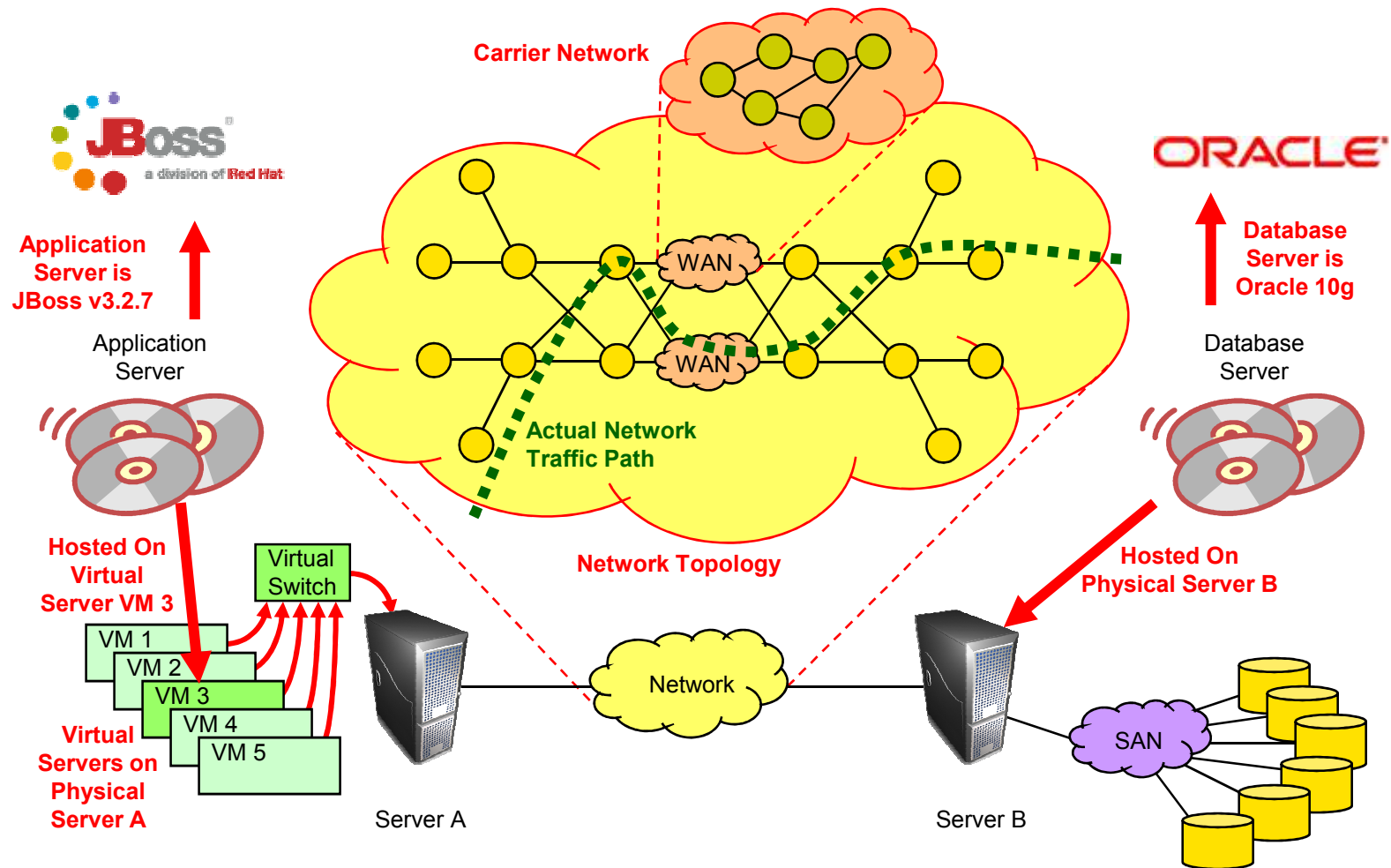
The Effects of Disruptive Technologies



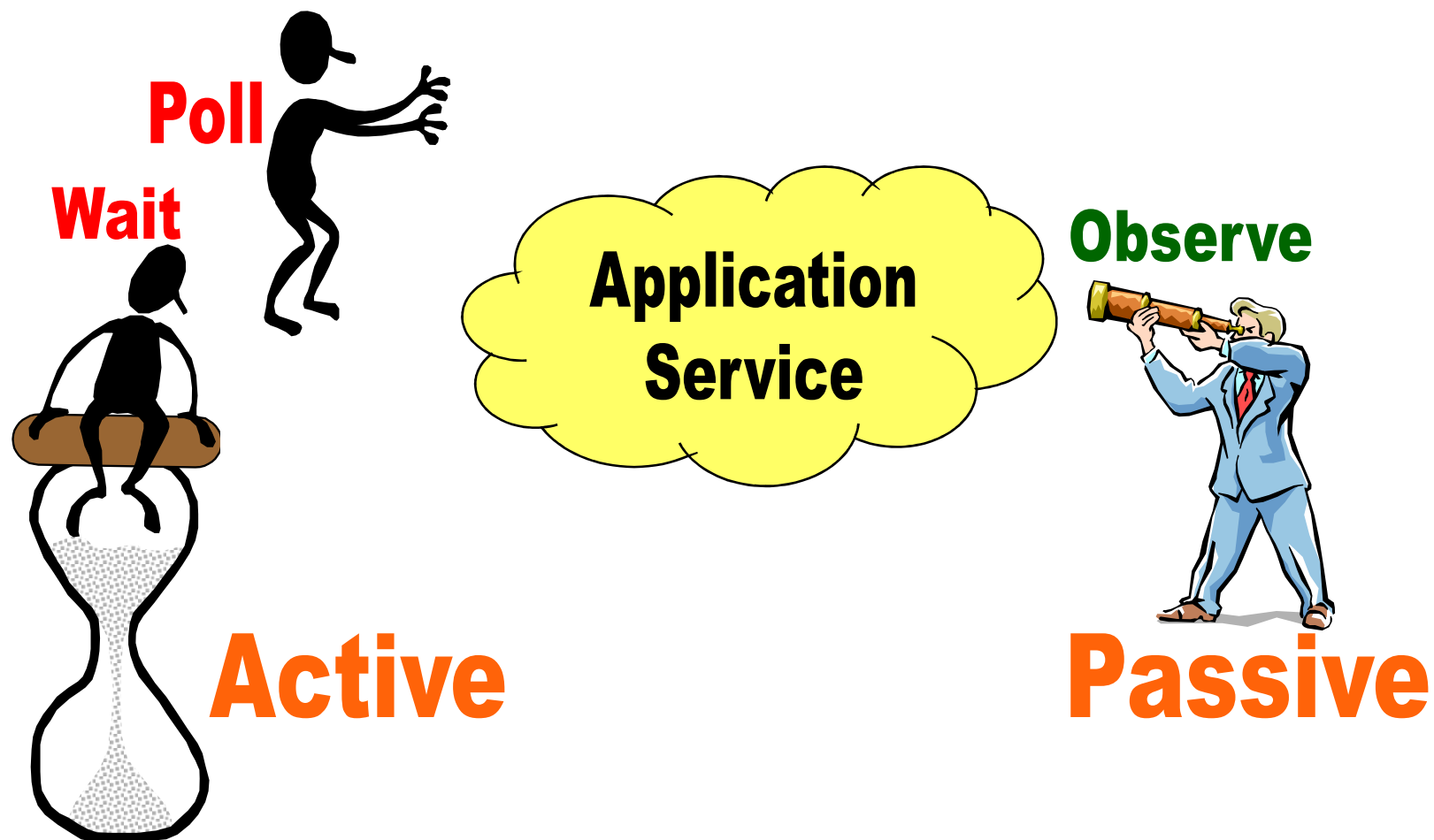
Applications: The Simple View



Applications: A *Slightly* More Complex View



Gathering Application Service Information



Application Discovery Manager (ADM)

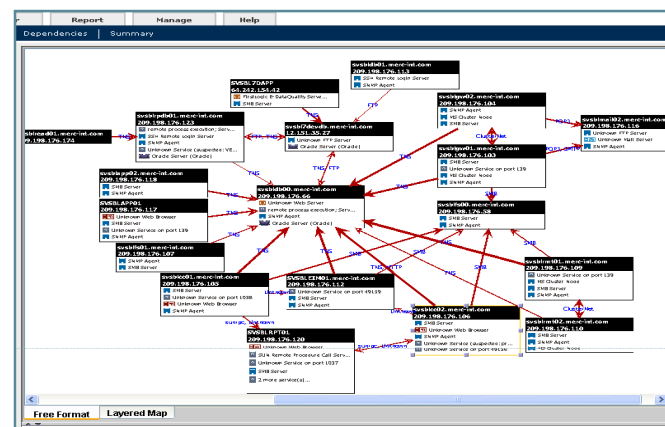
Rapidly discovers systems and their software and applications

Appliance-based Technology

- Quick time to value
- Hybrid Passive and Active Discovery

Automatically maps software dependencies

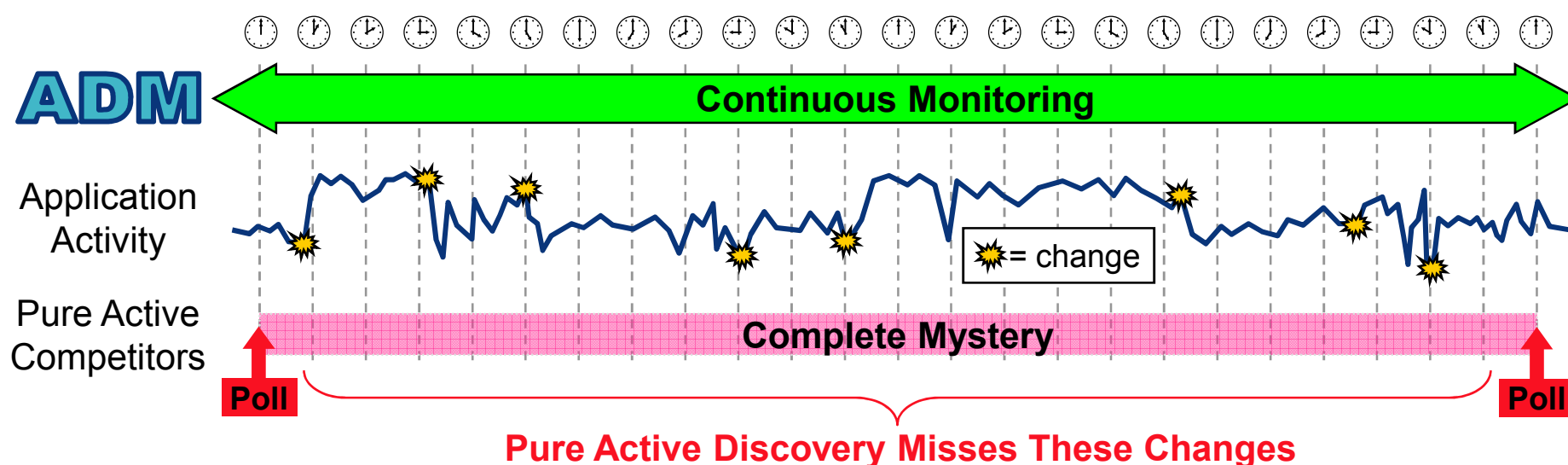
Collect hardware & software configuration details



Identify changes as they occur!

Learn the TRUTH about your environment!

ADM Offers Real-time Visibility

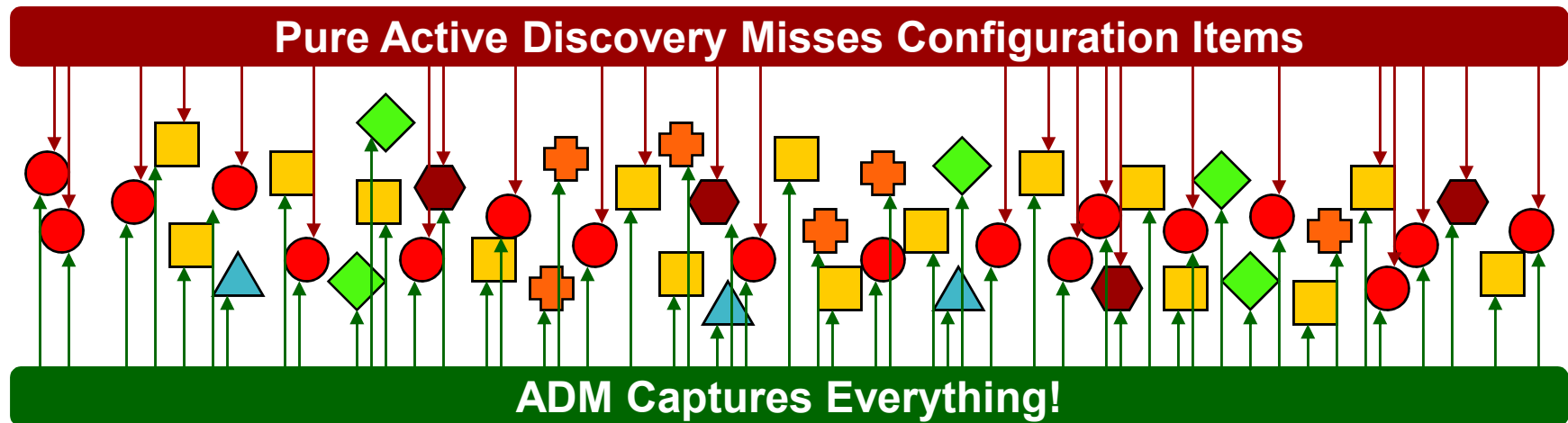


Virtualization allows applications to move between servers

ADM will capture this movement

Full reliance on active mode cannot capture such changes

“I Don’t Know What I Don’t Know”



Discovery tools must learn from the actual environment

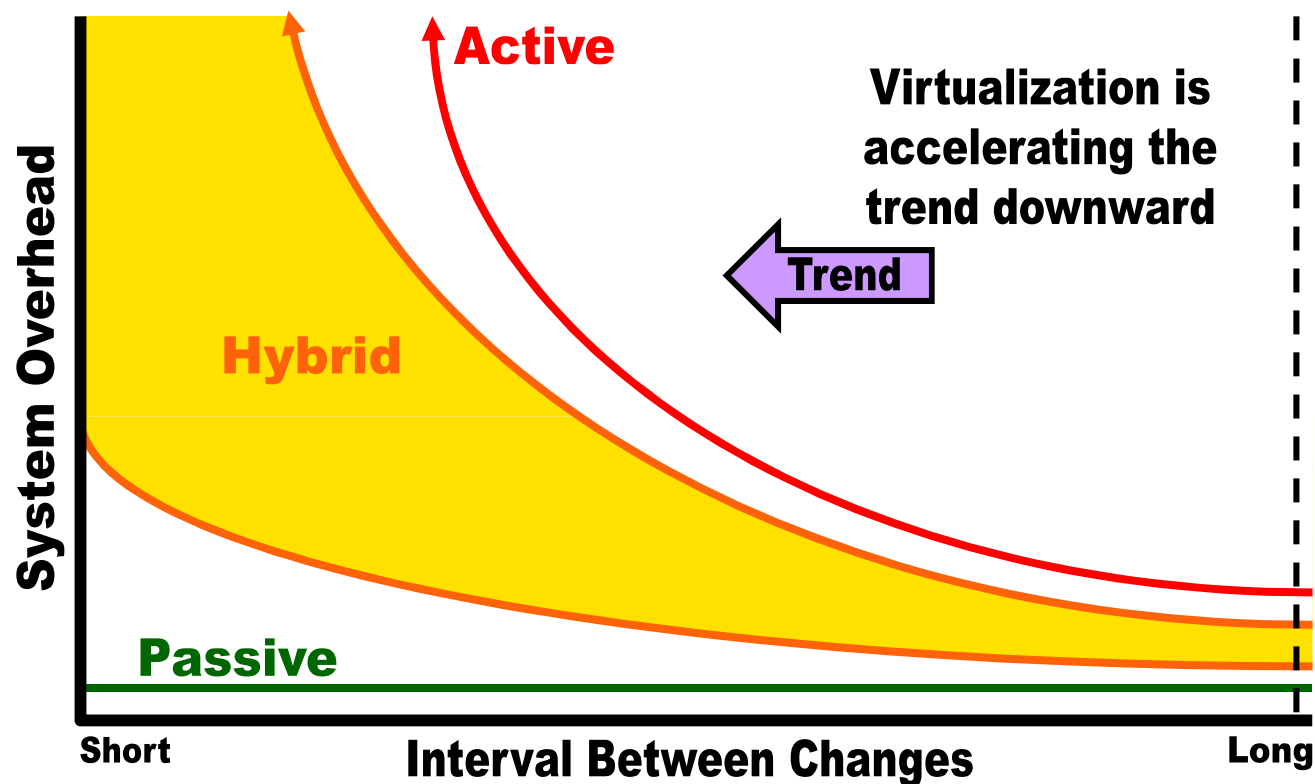
If you need to tell a tool what to discover, it's not discovery!

True discovery captures all elements and offers the TRUTH!

In a virtual world, elements may not be as they appear

- You need the truth about your environment

The Challenge of Real-Time Management



A hybrid balances overhead with data richness

Keep Your CMDB Accurate in a Virtual World

Configuration information is critical to operational success

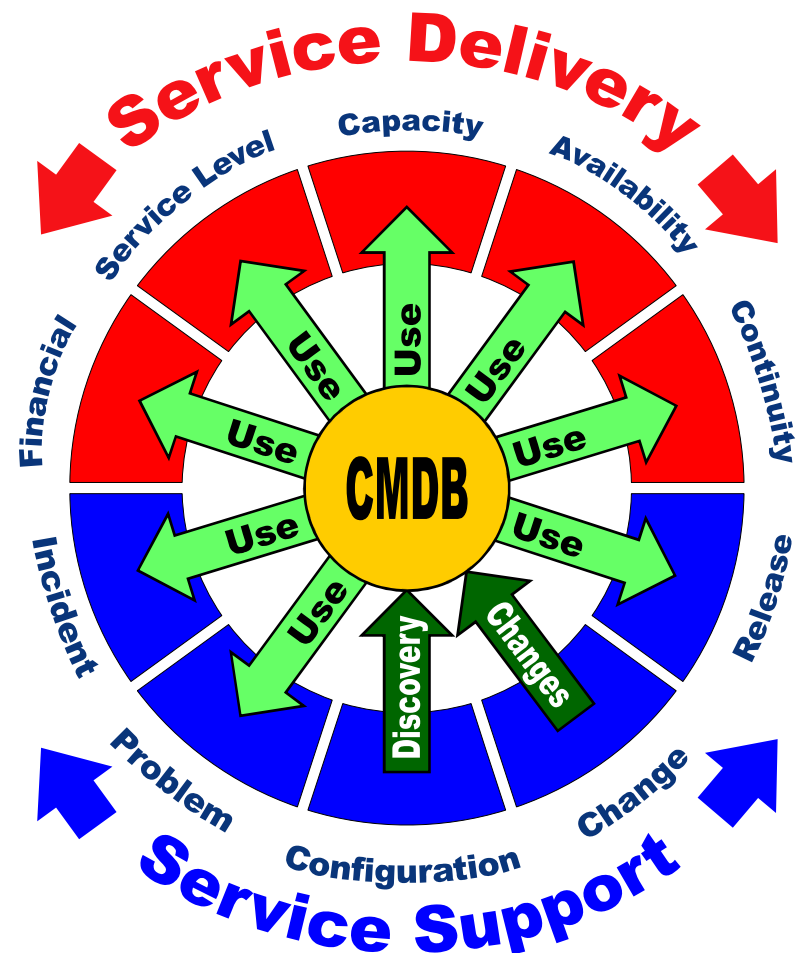
- Embodied in the CMDB

Manual change management cannot insure CMDB integrity

Automated discovery must capture configuration changes

The TRUTH will guide operational discipline

- Especially in a virtualized world!



Ensure Configuration Compliance Amidst Change

EMC IT Compliance Analyzer – Application Edition

Automated IT compliance

- Address compliance violations before other problems occur

Simplifies the application of internal and external IT compliance requirements

Roll out new applications with confidence

Capture policy exceptions as changes occur – not after some arbitrary delay

Proactively assess the impact of planned configuration changes



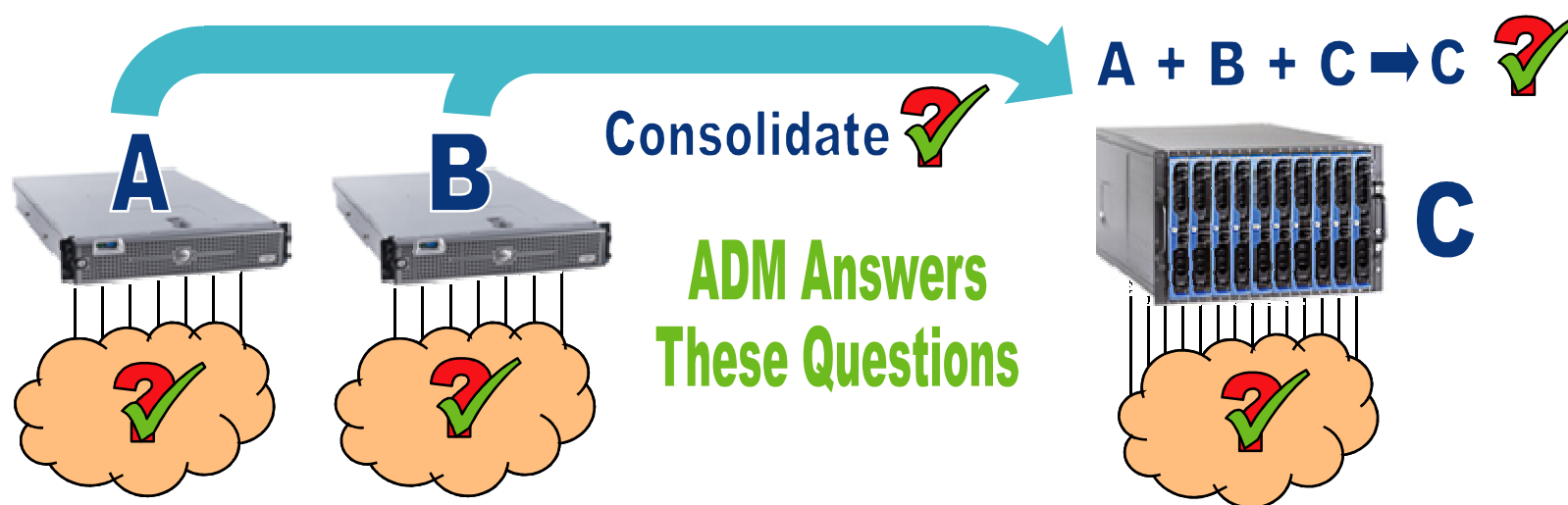
ADM Reduces Consolidation Risk

Automatically discover all application dependencies

Capture application demand to determine capacity needs

Embark upon consolidations with confidence

- The decision will be a certain **YES** or **NO**, not ambiguous mystery



Migrating Applications Resembles Consolidation

Many of the same questions and risks apply

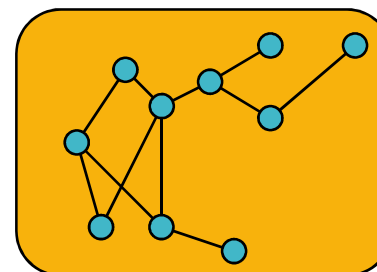
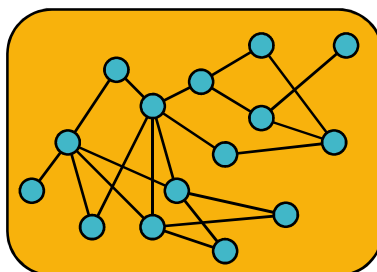
Similar uncertainties cloud decisions

An automated solution is needed to remove the risk

In a virtualized world, application migration must be smooth

ADM reduces the risk by providing accurate insight

- Behavioral characteristics, not just structure
- Real time!
- Automated!



Guide Monitoring and Analysis Based on The Truth

Monitoring is the same regardless of importance

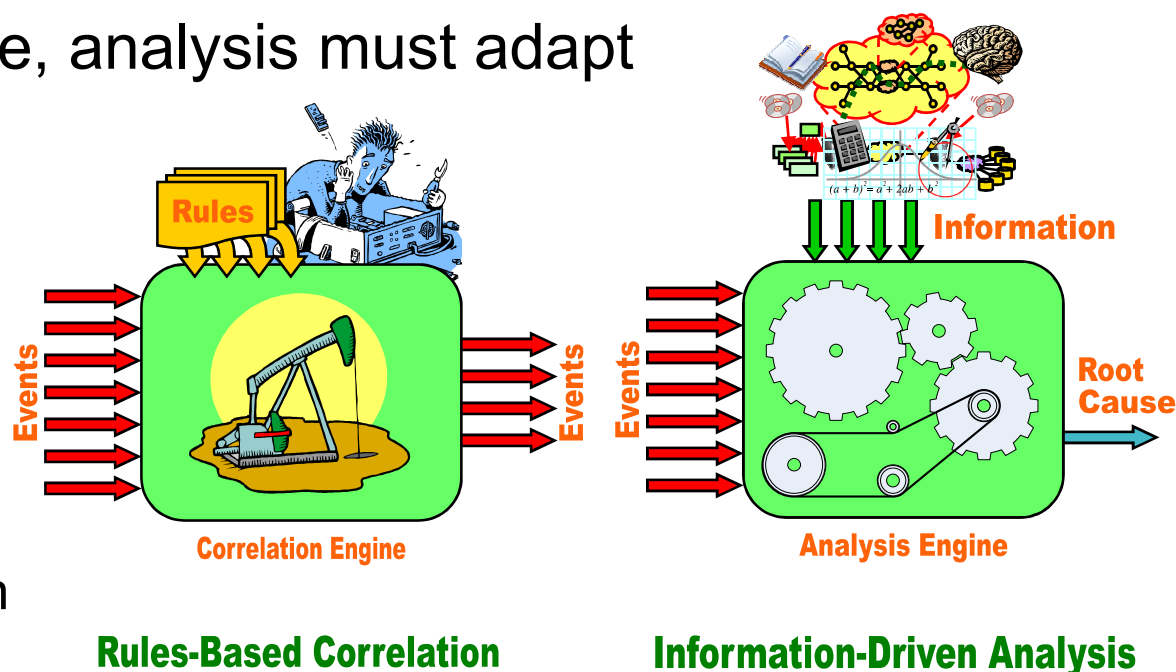
- Why? All elements are NOT the same, don't treat them the same!

Analysis should be driven by configuration information

As conditions change, analysis must adapt

Information-driven analysis yields more accurate results

- Decisions are based upon results
- Rules-based correlation is too rigid for virtualization



Stronger VMware Management via Stronger Discovery

Managing virtualized environments will continue to be a “work in progress” for a few years

Look to element managers for basic functions

- e.g., VMware VirtualCenter

Unify virtual environments with management consolidators

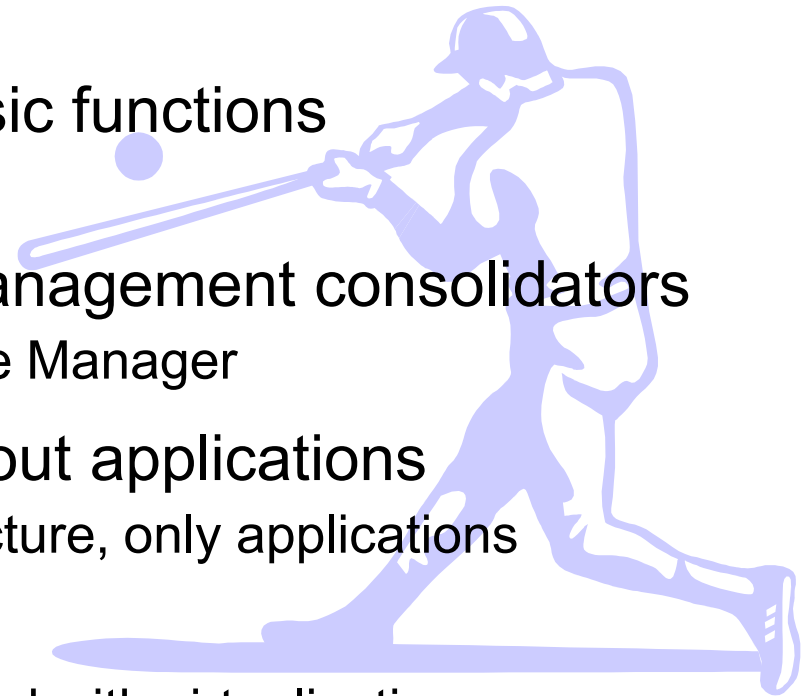
- e.g., EMC Smarts Service Assurance Manager

The whole discussion must be about applications

- End users don't care about infrastructure, only applications

It all begins with good discovery

- Real-time accuracy is being mandated with virtualization



Management: If it's not real time, it's useless

Next Steps

Contact your local EMC Smarts Sales Representative

Contact EMC Smarts Inside Sales at 603-766-3681 to learn more about how EMC Smarts Application Discovery Manager can help your organization effectively manage your infrastructure in the context of your applications.

Visit the EMC Smarts ADM page on EMC.com

<http://www.emc.com/products/software/smarts/adm/>

Thank You for Attending!

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