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Disaster Recovery Webinar

August 11, 2015

SPEAKERS



Marcelo Oliveira, Product Director, Cable & Wireless

Marcelo has several years of experience in Information Technology, having worked with organizations in multiple industries such as banking, software, manufacturing, consulting, training, and telecommunications. Having worked in diverse areas such as computer programming, business analysis, marketing, sales, and finance he has successfully created and delivered value for clients. Recognized as a thought leader in the Cloud computing arena, Marcelo has written articles, white papers, and presented on multiple industry conferences and client presentations.

Marcelo holds a Business Management degree and a Finance Master's degree from California State University. He also holds specialization degrees in marketing and information technology.

In 2007, Marcelo and his family moved to Canada to work for Bell Canada and Global Knowledge. In 2011, Marcelo joined Columbus Business Solutions as a Senior Product Manager of IT solutions and currently, he is Product Director of IT Solutions for Cable and Wireless Business. Marcelo and family reside in Weston, Florida.



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IT knows IT. Business people do NOT

- “I need an IT partner in everything I do.” Chief Marketing Officer Shelly Stotzer
- A CMO needs someone **that knows what is posible** and can wring a fix, **not someone that waits** for me to come up with a Project.

IT needs time to educate business people how to use IT to create new distribution channels, products, marketing campaigns, go-to-market strategies, ...

Develop sustainable competitive advantages



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What is Business Continuity???

- It is an organization's ability to deliver products and services – at acceptable levels – following an incident (that produces abrupt rupture)
- It is a series of processes that allow organizations preserve the continuity of the operations of their critical processes in the event of a contingency situation
- It is a series of processes that go into action to salvage the organization's assets and allow its survival in contingency events



What is Disaster Recovery???

- It is a series of procedures that allow organizations to preserve the continuity of their technological environment that supports critical processes in case of a contingency
- It is a series of procedures that allow organizations to preserve the continuity of their critical systems that support critical processes in case of a contingency

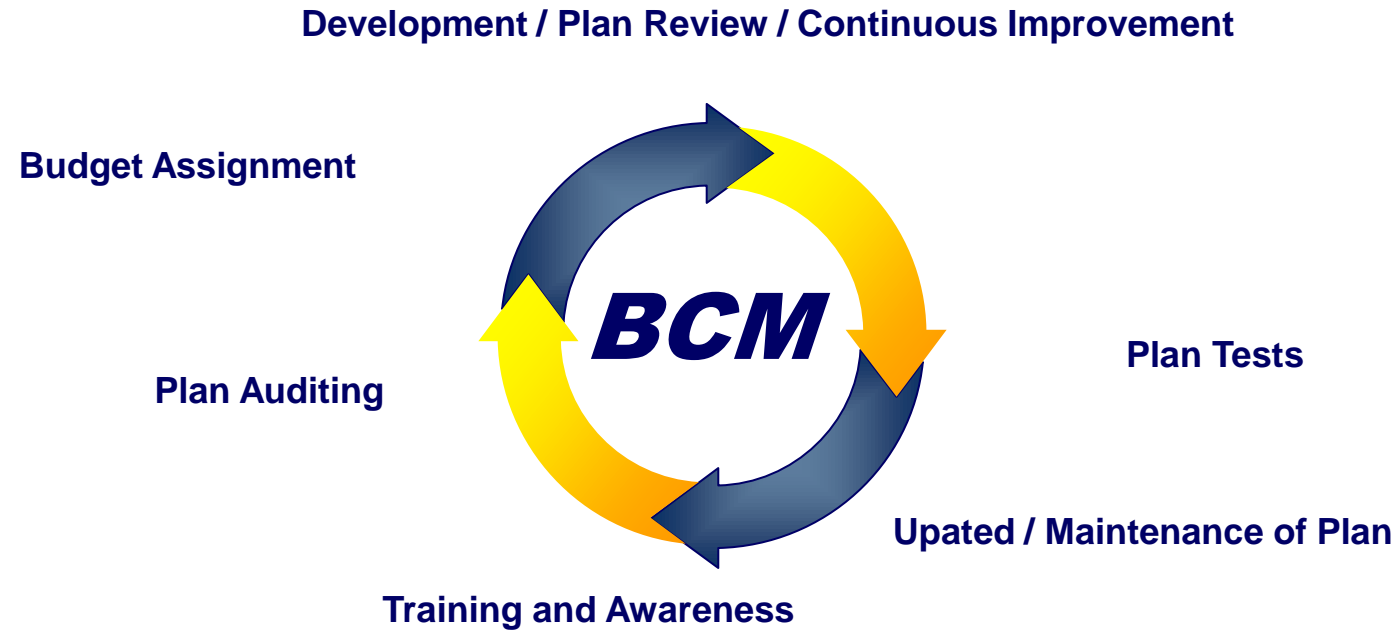


What is Business Continuity Management?

- Coordinated activities to administer, manage, and control the continuity strategy of an organization
- It is the processes of planning, implementing, and managing the strategy of Business Continuity of an organization to ensure its survival and efficiency over time
- It is the process of administration of the strategy of Business Continuity or Disaster Recovery of an organization



What is the cycle of Business Continuity Management???



BCM: Business Continuity Management



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OK...But...
What are the causes???



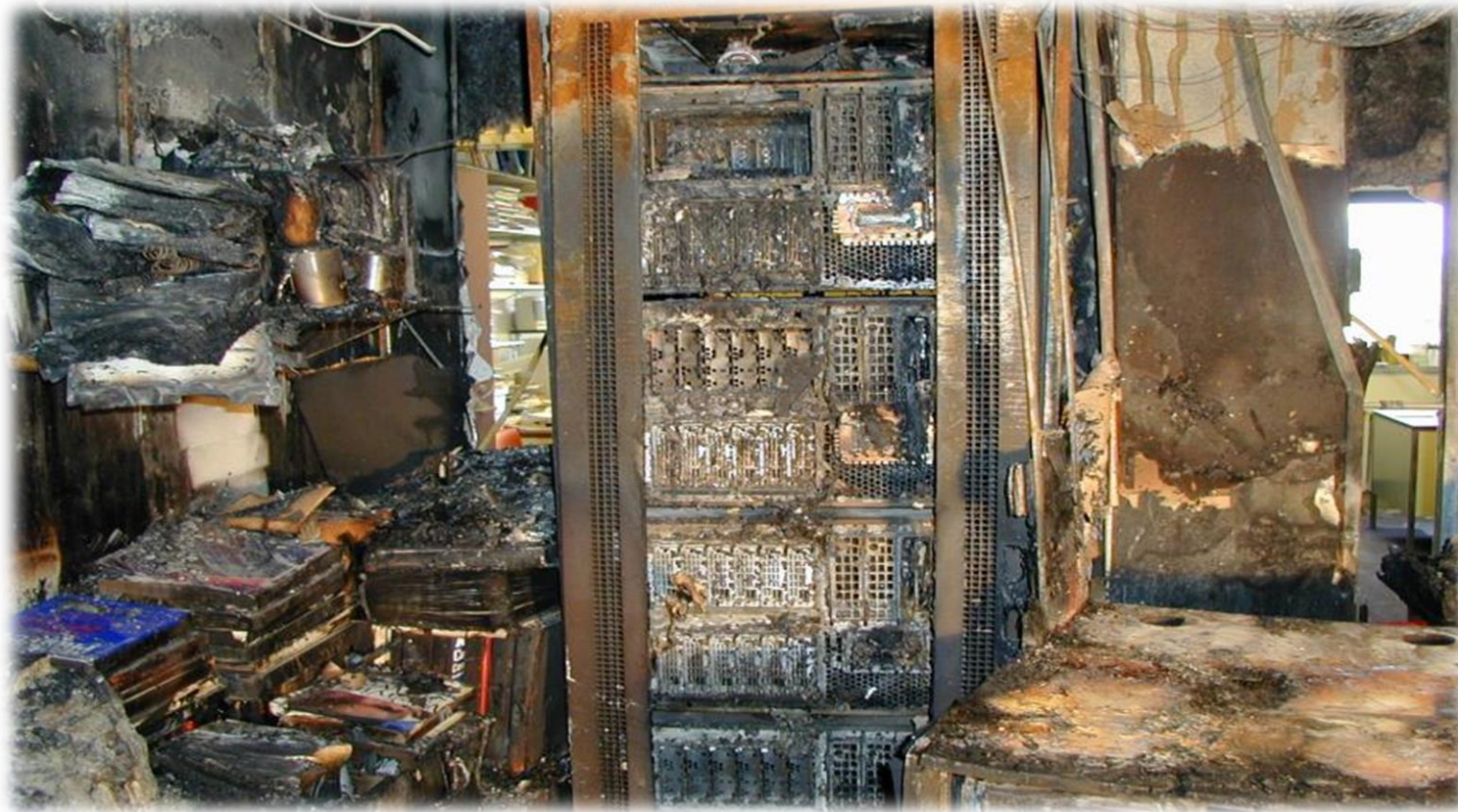
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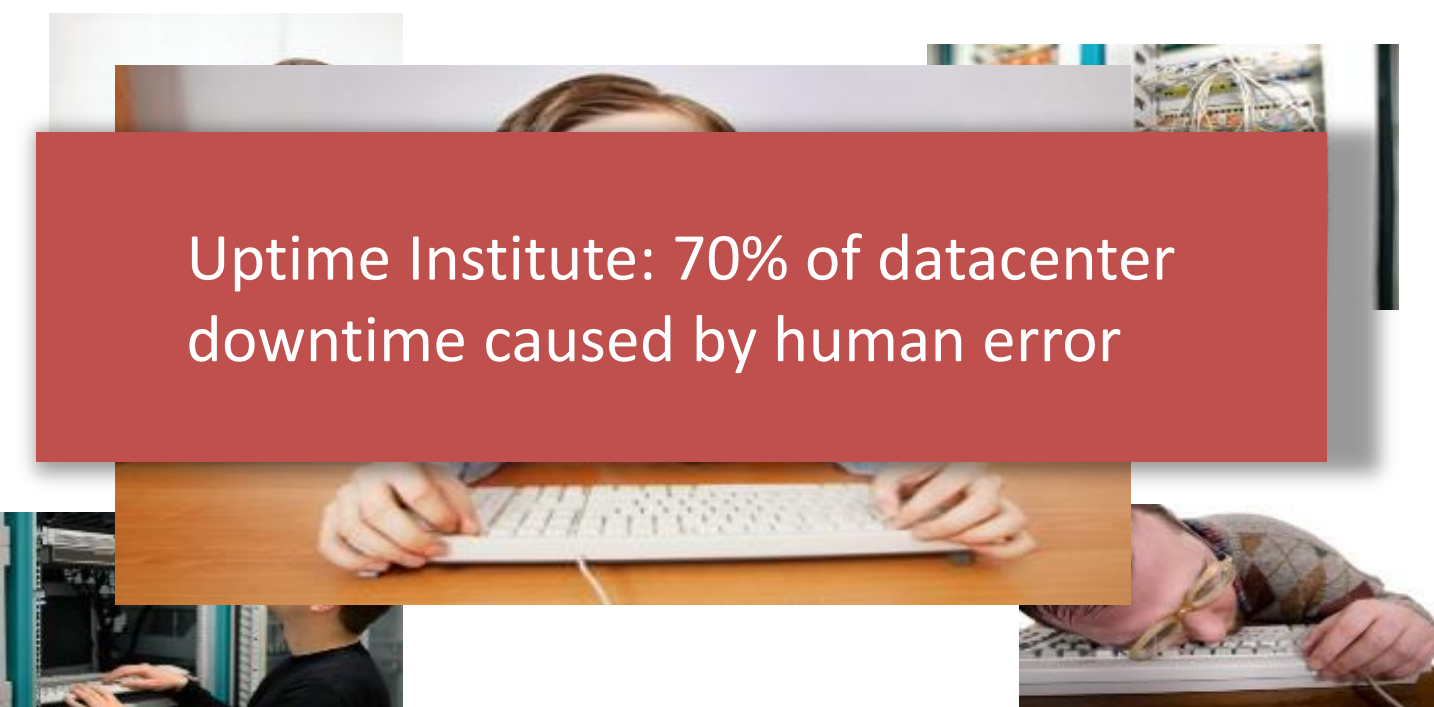
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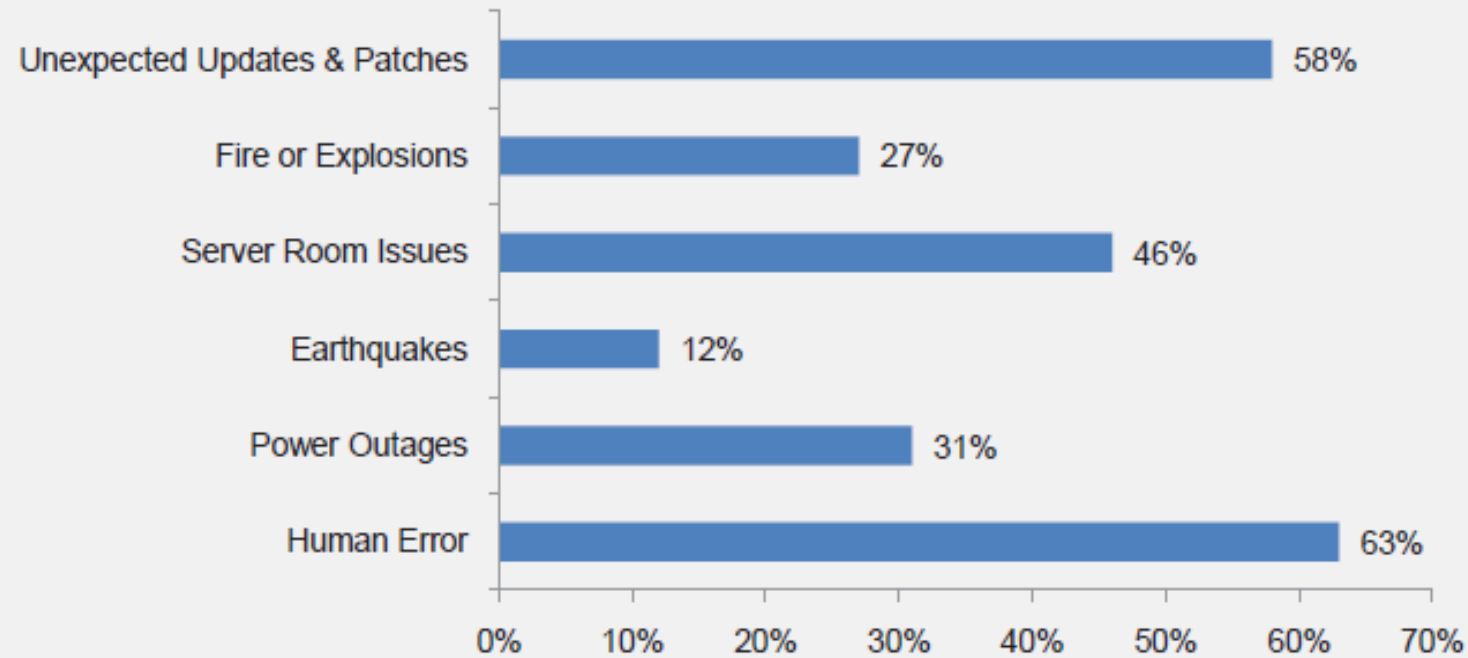
Uptime Institute: 70% of datacenter
downtime caused by human error



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FIG. 9 Factors Causing Downtime



Source: The National Archives and Records Administration (NARA), U.S., U.S. Small Business Association, Primary Interviews



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Think of DR as recovering from STRESS, not just Disasters.

What About?

- Performance?
- Reporting?
- Maintenance?
- Security Incidents?
 - Virus, external hacker, internal



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Downtime Costs: Financial, Legal, Reputation, Loss of Clients, etc.

TABLE 10 **Downtime Cost Analysis by Type of Company, 2013 (US\$)**

| Content | Small Companies | Mid-sized Companies | Large Companies |
|---|-----------------|---------------------|-----------------|
| Average cost of downtime per hour | \$5,900 | \$68,000 | \$1,125,000 |
| Average number of disasters on yearly basis | 1.5 times | 3 times | 2.7 times |
| Average length of each disaster per individual occurrence | 2 hours | 3.25 hours | Half hour |
| Total cost per year | \$17,700 | \$663,000 | \$1,518,750 |

Source: Primary Interviews, Transparency Market Research, 2015



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Then... How do we Plan?

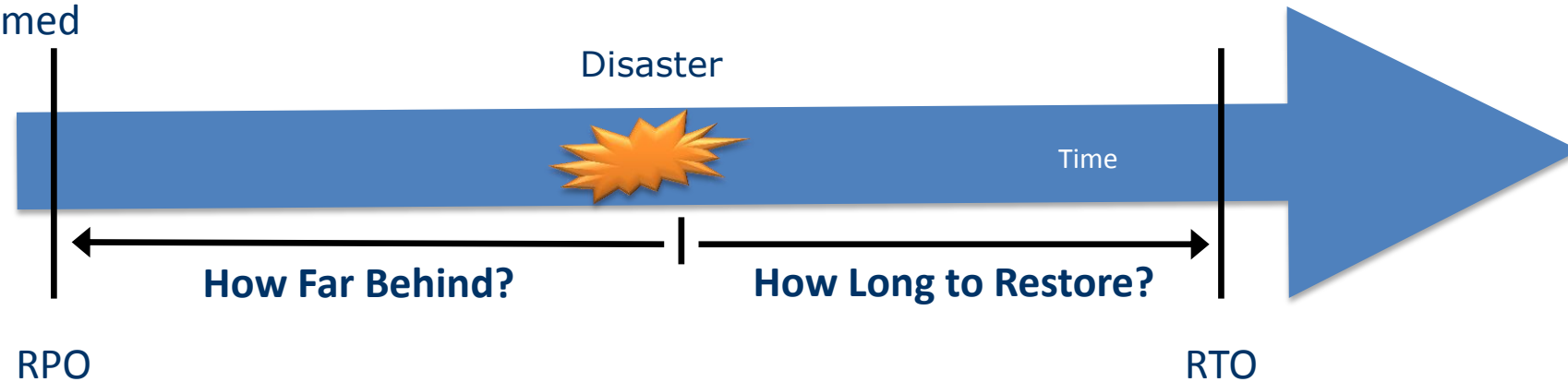


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KEY Variables in Continuity: RPO x RTO ...

Last point in time
where backup was
performed



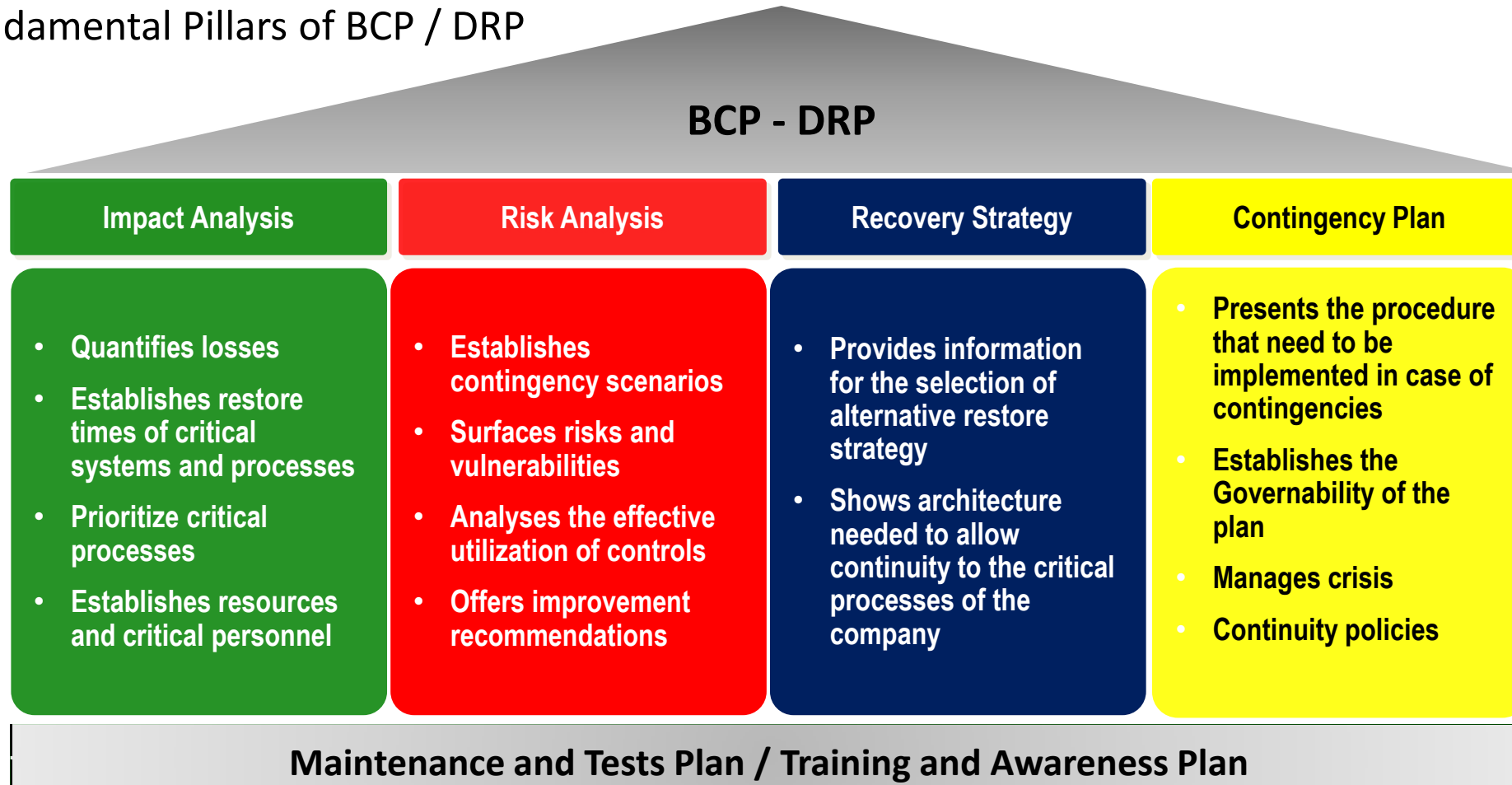
RPO – Response Point Objective

RTO – Response Time Objective



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Fundamental Pillars of BCP / DRP



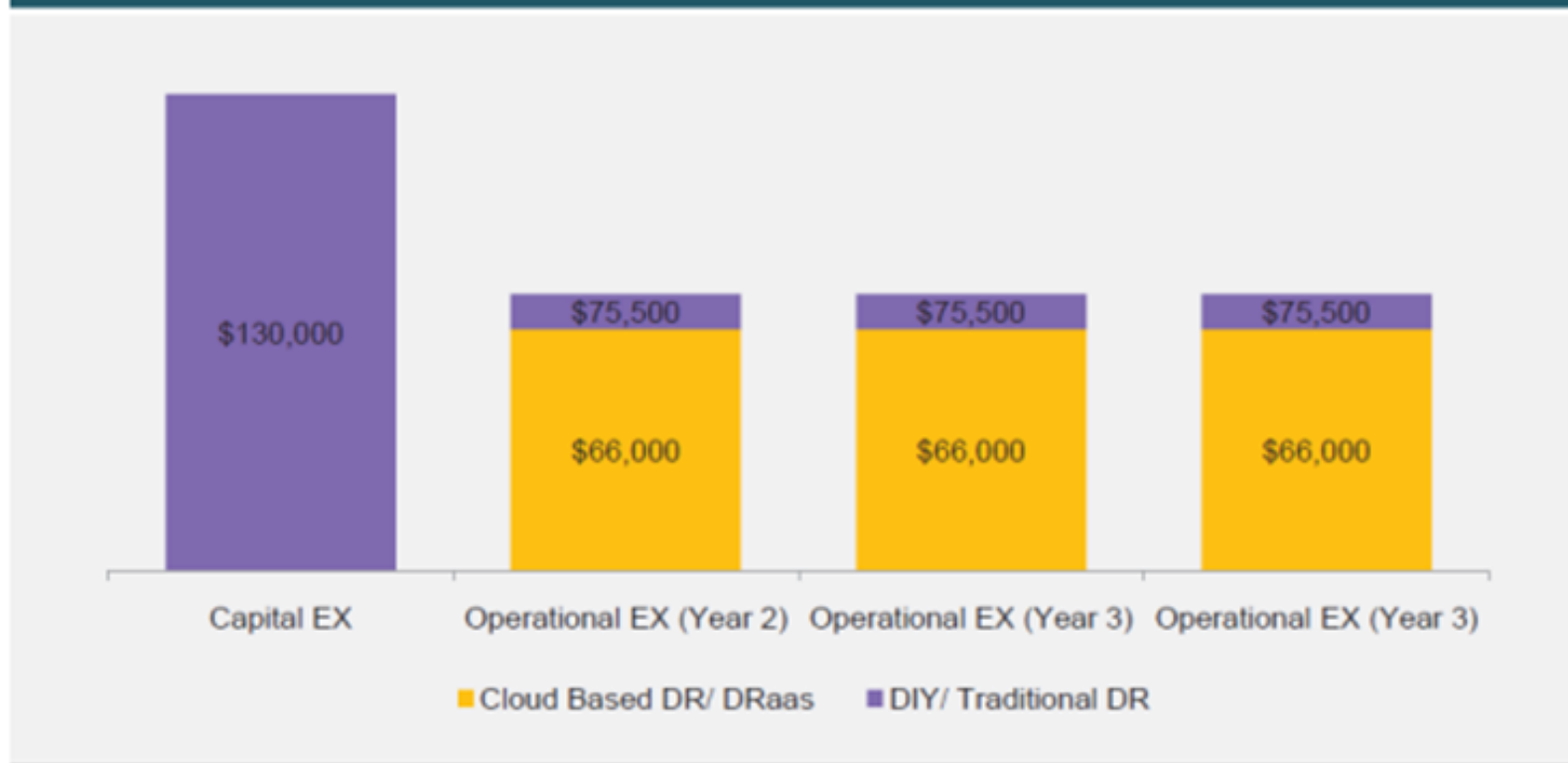
Two Options: Traditional DR or DRaaS



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FIG. 14 Cost Analysis of DIY DR and DRaaS



Source: Secondary Research, Vendor Price Analysis, Primary Interviews, Transparency Market Research



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Traditional BC/DR Solutions

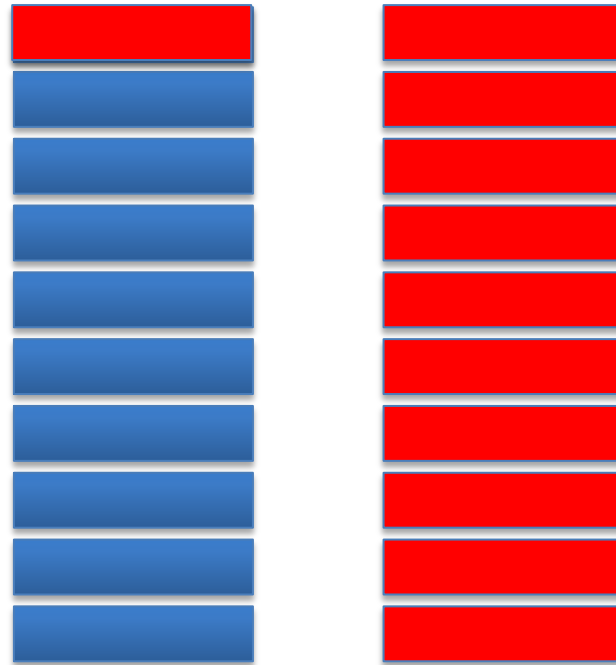


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No need to failover entire datacenter

Traditional DR
One Fails, Move Everything



DRaaS
One fails, move one



Traditional off-site recovery solutions

- Some organizations, still want to have 100% controls of all components of the solution. This is possible, but...
- Idle hardware
- If used for other ends, may not be available when necessary.
- Following a disaster, the production environment needs to be completely rebuilt from scratch. This may take days to get done...



Enter DRaaS



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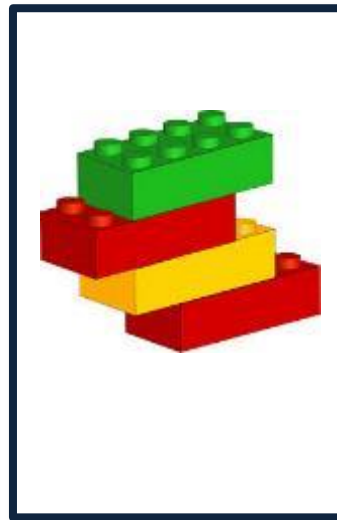


You Need Legos



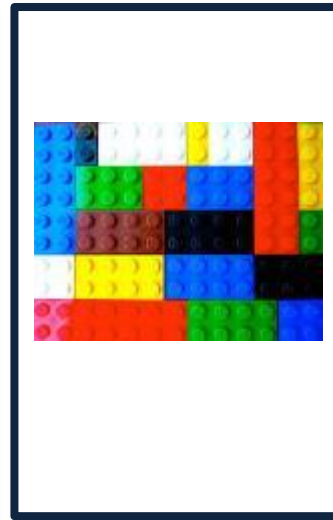
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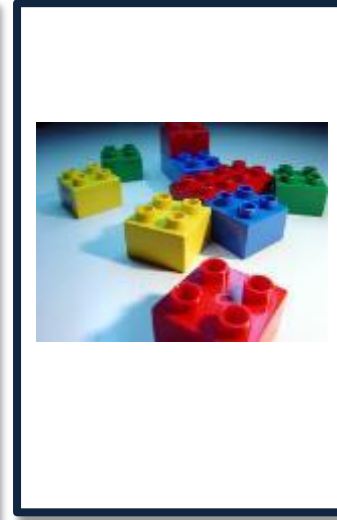
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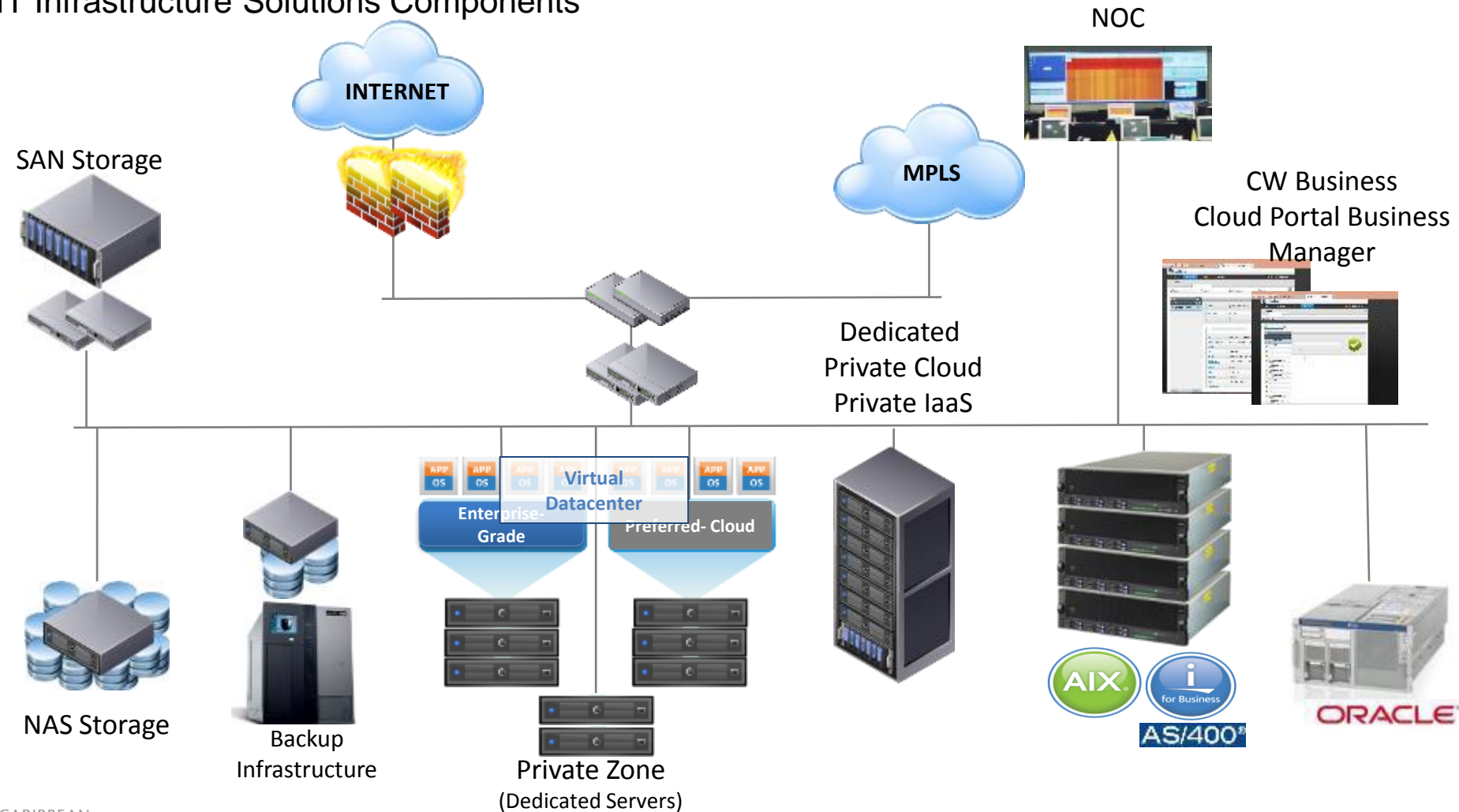
CARIBBEAN HOSPITALITY
INDUSTRY EXCHANGE FORUM
OCTOBER 2-4 2015 EL CONQUISTADOR RESORT,
PUERTO RICO A WALDORF ASTORIA RESORT

Your IT on YOUR terms: Hybrid IT

- Hybrid IT
 - Physical, Virtual, Cloud
 - On-premises, off-premises
 - Windows, Linux, AIX, IBM i/OS(AS400), Oracle
 - Production / Disaster Recovery



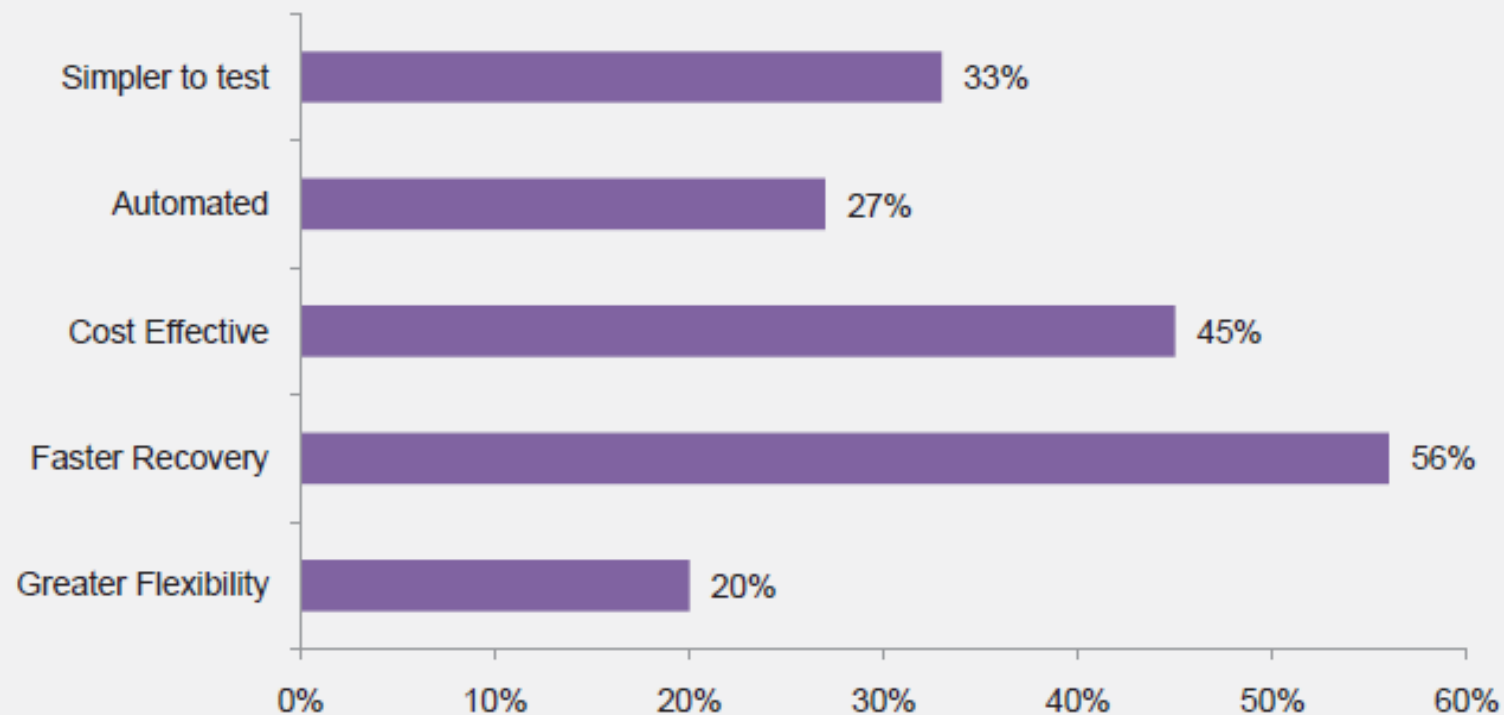
IT Infrastructure Solutions Components



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FIG. 11 DRaaS benefits drive market growth, reduce risks



Source: Primary Interviews, Secondary research, DRaaS provider Vendor Magazines/Articles, Transparency Market Research



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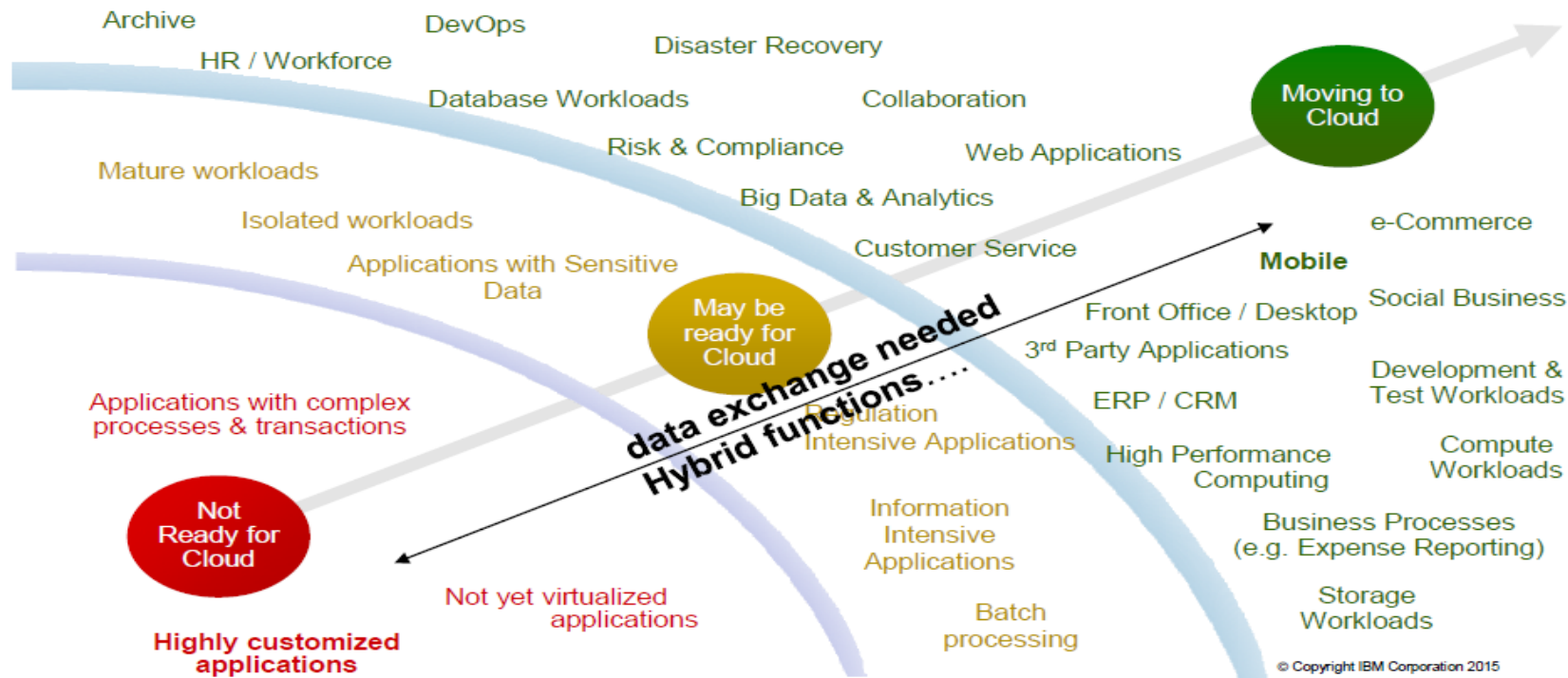
DRaaS Implementation Hurdles

- Bandwidth to install, restore, replicate, and seed data
- Most vendors can't guarantee a single SLA
- Pure cloud model does NOT serves the need of large organizations
- Not all applications are ready for the cloud



Hybrid implementations do break silos, add flexibility with OS/HW heterogeneity value add by connecting :

- non Cloud systems to Cloud(s)
- Cloud(s) to Cloud(s)



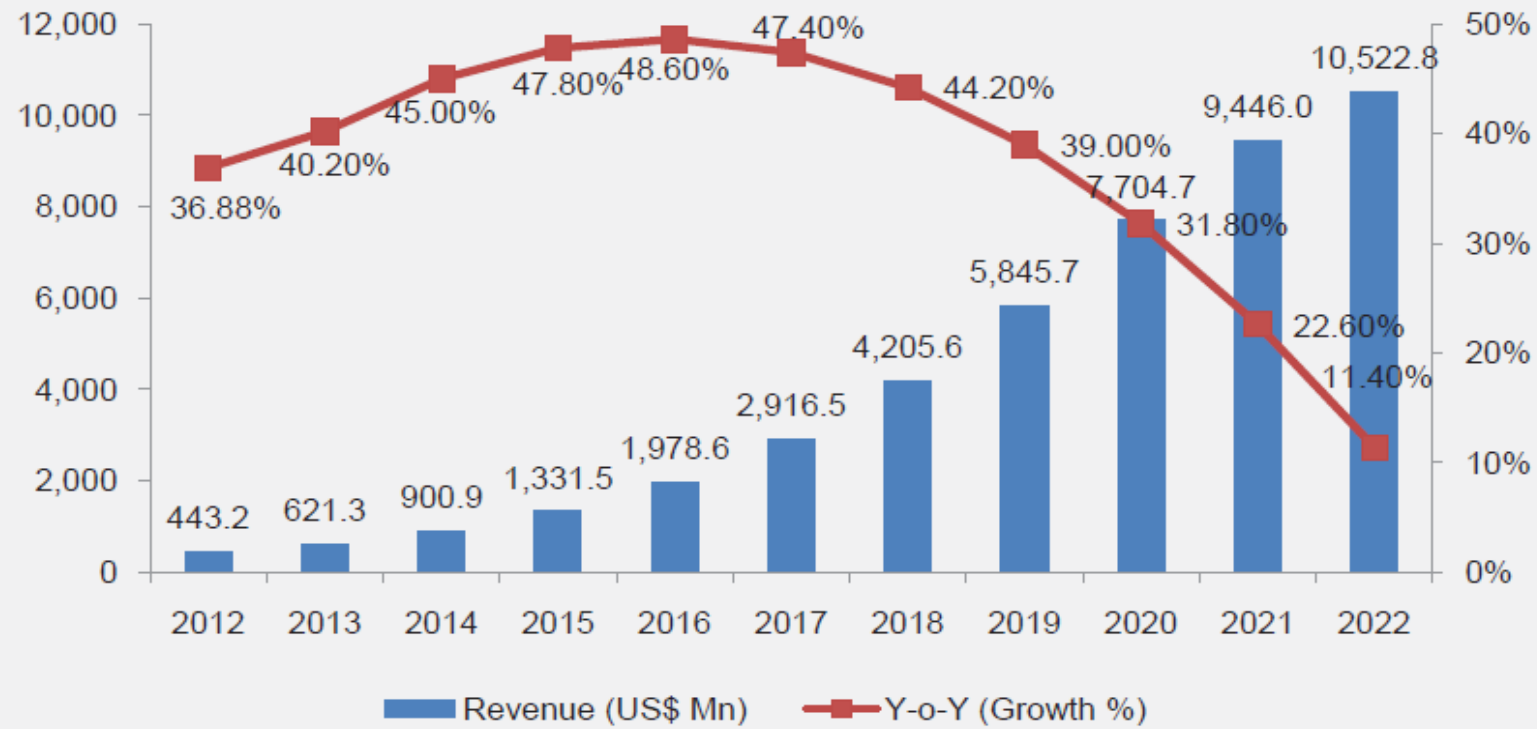
What is Going on in the Market?



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FIG. 2 Global DRaaS Market, 2012 – 2022, Revenue (US\$ Mn) and Y-o-Y Growth (%)



Source: Company Press Release, Secondary Research, Primary Interviews, Transparency Market Research



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Disaster Recovery as a Service (DRaaS)

Gartner

"CBS's operations availability service-level commitment is 100%. CBS was well above the provider median in terms of the number of actual disaster declarations that had been serviced..."

Best customer service as rated by clients...

Transparency
Market Research
In depth Analysis. Accurate Results.

"The Latin American market is solely dominated by Columbus Business Solutions with more than 70% of the DRaaS market share"

<http://www.columbusbusiness.co/draas>

Magic Quadrant for DRaaS 2015



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Thank you for your kind attention – Questions or Comments?



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