World Backup Day: A plan of action

World Backup Day reminds us all of just how important backups are. You don't get how important they are, perhaps, until you've experienced an outage that you can't recover from by any troubleshooting method. Backups are a pain but they are a necessary evil and can save you when things go bad. And things always go bad. This article helps you make a plan.

Running an event-driven health management business process through a few scenarios: Part 1

In the previous series of articles, Designing an event-driven business process at scale: A health management example (which you need to read to fully understand this one), you designed and implemented an event-driven scalable business process for the population health management use case. Now, you will run this process through a few scenarios.

Getting to open hybrid cloud

So, you've read our e-book and are convinced that adopting an open hybrid cloud Platform is a key part of digitally transforming. Great! Now how do you get your applications and associated infrastructure there?

There are many aspects that should be considered when digitally transforming and adopting an open hybrid cloud including people, culture, process, and technology. While these are all important, in this post we will focus on process and technology.

A common way of speaking about migrating or modernizing workloads to the cloud was
popularized in 2016 by Amazon Web Services in their post, "6 Strategies for Migration Applications to the Cloud." We will use the categorization popularized in that article to explore how Red Hat is making it quicker and easier to move your applications and their associated infrastructure to the open hybrid cloud.

**Command and control: The Red Hat Ceph Storage 4 Dashboard changes the game** [5]

Ease of use was a key development theme for Red Hat Ceph Storage 4. In our last post, we covered the role that the new install UI plays in enabling administrators to deploy Ceph Storage 4 in a simple and guided manner, without prior Ceph expertise.

Simplifying installation is only the first step—the second step is simplifying day-to-day management. To meet this challenge, Ceph Storage 4 introduces a new graphical user interface called the Dashboard.

**Red Hat DNF 4.2.21 Package Manager Released Today!** [6]

DNF 4.2.21 Released Today: DNF is otherwise named as Dandified YUM Package Manager. DNF is basically developed by Red Hat for RPM based distributions. The team Red Hat developers announced the latest version of DNF 4.2.21 has been released. They promised that the new version may have many new essential bugs fixes and software tweaks.

**Three ways our hybrid cloud architecture makes it easy to add AI to fulfillment** [7]

In a previous blog, I introduced IBM Sterling Fulfillment Optimizer With Watson® and provided answers to five frequently asked questions. Once clients have implemented this AI-powered solution to optimize fulfillment, they tend to have another question: Why did Sterling Fulfillment Optimizer make the decisions that it did? In this blog, we’ll look at what’s in Watson’s head.

When an order is sent to Sterling Fulfillment Optimizer, the order goes through many rules, configurations, constraints, and cost-optimization comparisons to determine the best fulfillment option. Sometimes, as a user, the recommendation intuitively feels right, but other times it may not? particularly if you’re dealing with complex orders and a complex fulfillment network. If an order is placed in Chicago and Sterling Fulfillment Optimizer recommends that different order lines for the order be fulfilled from nodes in Los Angeles and
Dallas, you may have difficulty understanding why that was the best choice to maximize profits.

What isn’t immediately evident is that behind the scenes, Sterling Fulfillment Optimizer is using big data analytics, AI, and machine learning to look for trends and patterns. It analyzes sell-through patterns, rate-of-sale and probability-of-sale data to determine the risk of stockouts or markdowns for each SKU node combination, automatically calculating the lowest overall fulfillment cost at that moment. This is critical because that moment in time is always changing as the fulfillment network and sell-through patterns continuously change, and business preferences may change as well. Remember from the last blog that I discussed how you may decide to prioritize one or more factors over the total cost due to promotions or seasonality. In this example, where the order is fulfilled from Los Angeles and Dallas, the solution determined ? based on visibility into real-time data and balancing multiple factors simultaneously ? that if the order had been fulfilled from a single node in Chicago, which at that moment was low on inventory, the risk of stockout would have been high.

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